



CIN-L27101OR1984PLC001354

Ref: BAL/MINES/FD/ Dated: 17-11-2022

The Divisional Forest Officer,  
Cuttack Forest Division,  
Ghatakula, Nuapada, Cuttack.

Sub: Diversion of 64.119 ha of sabik kism Forest land as on 25.10.1980 within mining lease area of 64.463 ha, for Chromite mining in our Kaliapani Chromite Mines of M/s Balasore Alloys Ltd (BAL) in Jajpur district of Odisha.: Regarding Submission of Compliance to conditions stipulated in Stage-I Order.

Ref No: Sage-I Order from MoEF& CC (FC Division) letter dated 18th November 2016 (File No. F.No.8-14/2016-FC)

Dear Sir,

Concerning the subject mentioned above, we would like to inform you that the Govt. of India, MoEF& CC (FC Division) has accorded Stage-I approval for the diversion of 64.119 ha of Sabik kism forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite Mining in our Kaliapani Chromite Mines, at Kaliapani, Dist.-Jajpur, Odisha on dated 18th Novmber,2016. The conditions stipulated in the said order are being complied.

Some of the conditions stipulated in the stage-I order remained non-complied for an extended period due to the financial crisis arising from the recession in the market followed flood & Covid -19. In the mid of 2019, heavy rains and a surge in Orissa led to a situation beyond the Control of Balasore Alloys Ltd . Our entire mines, as well as mines equipments, were under the water, leading to obstacles for operating the plant and mines. Since then, Balasore Alloys Ltd's business has suffered drastically. Due to circumstances following the downhill lane to operate Balasore Alloys Ltd, we could not make payments for the power supply. Consequently, NESCO went on disconnecting the power supply at Balasore Alloys Ltd ferroalloys Plant frequent intervals. Because of the power disconnection from NESCO grid, Balasore Alloys Ltd was forced to shut down its operations at plant and mines as the mines is captive one and all the revenue streams of organization were blocked.

Further due to non-extension of interim order of the Hon'ble Court, to operate the mine, the mining operation was suspended, which also led financial crisis to Balasore Alloys Ltd and there caused delay to comply the conditions of the Stage-I order.



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We have already taken steps and restarted all our plant activities by clearing the dues in a staggered manner for power reconnection and expect to operate the plant in the first week of December.

However, all the condition stipulated in the stage-I order has been complied and herewith submitted the status of compliance five copies for your kind perusal.


Therefore, we request your good self for necessary action for onward transmission of our proposal for approval of the stage-II order.

Thanking you, With regards

Yours faithfully

For Balasore Alloys Ltd

**Managing Director**

  
**Balasore Alloys Ltd**  
Authorized Signatory

Enclosure: As above

**Compliance to the conditions stipulated in Stage-I approval order by MoEF& CC, Govt. of India vide Letter No.8-14/2016-FC, dated: 18<sup>th</sup>November, 2016 & 25<sup>th</sup>July, 2017 under section-2 of the Forest (Conservation) Act, 1980 for diversion of 64.119 ha of Forest Land at Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. located in Jajpur District under Cuttack Forest Division.**

<b>Condition No.</b>	<b>Particulars of the conditions stipulated by MoEF &amp; CC, Govt. of India</b>	<b>Compliance</b>
(i)	Legal status of the diverted forest land shall remain unchanged;	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-I</b> .
(ii)	Compensatory Afforestation (CA) over the non –forest land equal in extent to the forest land being diverted shall be raised and maintained by the State Forest Department at the cost of the User Agency within three years of Stage-II Clearance;	In compliance to this condition, the non-forest land over 63.949 ha has been identified and selected in village Rahadpur under Dharماسala Tahasil of Cuttack District for Compensatory Afforestation purpose. Accordingly, Compensatory Afforestation Scheme has been approved by the Principal Chief Conservator of Forests, Forest Diversion & Nodal Officer, FC Act, O/o the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar vide his Memo No.23525 dt. 14.12.2016 in wage rates of Rs.200/man-day for an amount of Rs.2, 39, 79,700/-(Rupees Two Crore Thirty-Nine Lakh Seventy-Nine Thousand seven hundred only). Demand had been raised in favour of the User Agency vide letter No. 12408 Dt.21.12.2016 of the Divisional Forest Officer, Cuttack Forest Division to deposit the approved amount. The approved amount of Rs.2, 39, 79,700/-(Rupees Two Crore Thirty-Nine Lakh Seventy-Nine Thousand seven hundred only) had been deposited by the user agency in favor of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through RTGS No.SBINR52170022300051075724059 ORISSA CAMPA on 23.02.2017. Subsequently, a revised financial outlay has been approved by the Principal Chief Conservator of Forests, Forest Diversion & Nodal Office, FC Act, O/o the PCCF & HoFF, Odisha, vide his memo no. 22609, dated 07.11.2022 in revised wage rates of Rs.333/man-day for an amount Rs.7,84,25,600/- (Rupees Seven Crore Eighty-Four Lakh Twenty-Five Thousand Six Hundred) only. The User Agency has been asked to deposit differential amount of Rs.5, 44, 45,900/-(Rupees Five Crore Forty-Four Lakh Forty-Five Thousand Nine Hundred only) vide letter No. 7415 Dt.10.11.2022 of the Divisional Forest Officer, Cuttack Forest Division. The approved differential amount of Rs.5, 44, 45,900/-(Rupees Five Crore Forty-Four Lakh Forty-Five Thousand Nine

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		<p>Hundred only) has been deposited by the user agency in favor of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through RTGS No. SBINR52022111515088819 ORISSA CAMPA UBIN0996335 on 15.11.2022.</p> <p>The copy of approved CA scheme, Demand letter of Divisional Forest Officer, Cuttack Forest Division and copy of deposit challan are enclosed as <b>Annexure – II</b>.</p>
(iii)	The land identified for the purpose of CA shall be clearly depicted on a Survey of India Toposheet of 1:50,000 scale.	In compliance to this condition, the user agency has submitted the map which is enclosed as <b>Annexure-III</b> .
(iv)	The non-forest land identified for raising Compensatory Afforestation shall be transferred and mutated in favour of the State Forest Department before issue of the Stage-II clearance.	The identified non-forestland of 63.949ha at Rahadpur village under Dharmasala Tahasil of Jajpur district for raising Compensatory Afforestation has been transferred and mutated in favour of the State Forest Department, Odisha. The copy of letter from Tahasildar, Dharmasala Mutation order & copy of RoR are <b>enclosed as Annexure-IV</b> .
(v)	The non-forest land identified for raising Compensatory Afforestation shall be notified by the State Government as RF under Section-4 or PF under Section-20 of the Indian Forest Act, 1927 or under the relevant Section (s) or the local Forest Act, as the case may be, within a period of six months. The Nodal Officer (Forest Conservation) shall report compliance in this regard.	The non-forest land selected for the purpose of Compensatory Afforestation has been mutated in favour of State Forest Department. The said land has been declared by the State Forest Department as “ <b>RAHADPUR PROTECTED FOREST</b> ”, under Section 33 of Odisha Forest Act, 1972. The copy of the above PF notifications is enclosed as <b>Annexure-V</b> .
(vi)	The User Agency shall transfer the cost of raising and maintaining the Compensatory Afforestation at the current wage rate in consultation with State Forest Department in the account of Ad-hoc CAMPA of the concerned State through online portal. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years;	In compliance to this condition, the user agency had deposited an amount of Rs 2, 39, 79,700/- in favor of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through RTGS No.SBINR52170022300051075724059 ORISSA CAMPA on 23.02.2017 along with the Rs 1, 89, 36,000/- towards implementation of Site Specific Conservation Plan. Subsequently, as per revised CA scheme the user agency has deposited the differential amount of CA of Rs. 5, 44, 45,900.00 (Rupees Five Crore Forty-Four Lakh Forty- Five Thousand Nine Hundred) with Ad-hoc Body of Compensatory



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		Afforestation Fund Management and Planning Authority (CAMPA) through RTGS with UTR SBINR52022111515088819 sent to ORRISA CAMPA UBIN0996335 on 15.11.2022 the details of payment is enclosed as <b>Annexure-VI</b> .									
(vii)	The User Agency shall transfer online, the Net Present Value (NPV) of the forest land being diverted under this proposal, as per the orders of the Hon'ble Supreme Court of India dated 28.03.2008, 24.4.2008 and 09.05.2008 in Writ Petition (Civil) No. 202/1995 and the guidelines issued by this Ministry vide its letter No. 5-3/2007-FC dated 05.02.2009. The requisite funds shall be transferred through online portal into Ad-hoc CAMPA account of the State Concerned;	<p>In compliance to this condition, the user agency has transferred an amount of Rs 7,16,14,567/- (Seven Crore Sixteen Lakhs Fourteen Thousand Five Hundred Sixty-Seven only) in the accounts of Ad-hoc CAMPA as per the guidelines issued by this Ministry vide its letters No.5-3/2011-FC (Vol.) dated 06.01.2022 and 19.01.2022.</p> <table border="1" data-bbox="788 860 1445 1303"> <thead> <tr> <th data-bbox="788 860 1015 1021">Demand letter by DFO, Cuttack</th><th data-bbox="1015 860 1203 1021">Demand in Rs</th><th data-bbox="1203 860 1445 1021">Mode of Payment made by user agency</th></tr> </thead> <tbody> <tr> <td data-bbox="788 1021 1015 1182">Letter No.12408 Dt.21.12.2016</td><td data-bbox="1015 1021 1203 1182">4,68,06,926</td><td data-bbox="1203 1021 1445 1182">RTGS No.SBINR5201 5092320284420 Dt.23.09.2015</td></tr> <tr> <td data-bbox="788 1182 1015 1303">Letter No.5770 Dt.02.07.2022</td><td data-bbox="1015 1182 1203 1303">2,48,07,641</td><td data-bbox="1203 1182 1445 1303">UTR No. UBIN0996335 Dt.18.10.2022</td></tr> </tbody> </table> <p>Besides, the user agency has furnished an undertaking to deposit all compensatory levies through e-payment module.</p> <p>Copies of the payment details and Undertaking are enclosed as <b>Annexure-VII</b>.</p>	Demand letter by DFO, Cuttack	Demand in Rs	Mode of Payment made by user agency	Letter No.12408 Dt.21.12.2016	4,68,06,926	RTGS No.SBINR5201 5092320284420 Dt.23.09.2015	Letter No.5770 Dt.02.07.2022	2,48,07,641	UTR No. UBIN0996335 Dt.18.10.2022
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(viii)	At the time of payment of the Net Present Value (NPV) at the then prevailing rate, the User Agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India.	In compliance to this condition, the user agency has submitted an undertaking to pay the additional amount of NPV, if so determined by the final decision of the Hon'ble Supreme Court of India. The undertaking in this regard is enclosed as <b>Annexure-VIII</b> .									
(ix)	<p>The user agency shall pay NPV at the rate 20 per cent for each year since the violation of Forest (Conservation) Act 1980 has commenced;</p> <p>As per recommendation of FAC held on 25.04.2017 acceptance of same by</p>	In compliance to this condition, the user agency has submitted an undertaking to abide by the decision to be taken by the committee. The undertaking in this regard is enclosed as <b>Annexure-IX</b> .									

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	<p>Competent authority Vide No F. No. 8-14/2016-FC dated 25<sup>th</sup> July, 2017 from MoEF&amp; CC, Govt. of India</p> <p>i. A committee under that chairmanship of Sh Tejnder Singh PCCF, Regional Office, Bhopal with members Sh Kanwarjeet Singh APCCF RO Nagpur, Sh Reddy APCCP RO Chennai, Sh Sanjay Desmukh Member EAC and Sh Deepak Kumar Sinha IG(FC) MoEF &amp; CC is formed to decided a policy frame work and quantum of penalty to be imposed in deliberate and unavoidable violations of provision of FCA 1980.</p>	
(x)	<p>The user agency shall raise penal CA equivalent to the land utilized in violation of the provision of Forest (Conservation) Act, 1980.</p> <p>Since the user agency has violated the provision of FC Act and Rules made thereof, the quantum of penalty shall be imposed and realized as per the recommendations of the committee, constituted for this purpose by FAC and accepted by the competent authority in the ministry.</p>	<p>In compliance to this condition, the Ministry has accepted the recommendation of the committee and guideline on the same, which has been published by the MoEF &amp; CC Vide no F. No 11-42/2017-FC dated 27<sup>th</sup> January, 2018. Further, the user agency has submitted an undertaking to pay penal CA as recommended by FAC. Copy of same modified stage-1 order and MoEF &amp;CC guideline &amp; undertaking attached as <b>Annexure –IX-A</b>.</p>
(xi)	<p>Fencing, protection and regeneration or the safety zone area [7.5 meters strip all along the outer boundary of the mining lease area as recommended by the state govt.] Shall be done within three year at the project cost from the issue of Stage-II Clearance. Besides this Afforestation on degraded forest land to be selected elsewhere measuring one &amp; half times the area under safety zone shall also be done at [be project cost; The degraded forest land (DFL) so selected will be informed to the MoEF &amp; CC with shape files and Afforestation will be done within three years from the</p>	<p>In compliance to this condition, a Scheme for Fencing, protection and regeneration by erecting adequate number of 6 feet high RCC boundary pillars inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department, has been approved for protection of Safety Zone area over 0.17ha by the RCCF, Angul Circle with an financial outlay of Rs. 85,248/- vide his memo no. 404/5F.FC-I (MG)-24/2014, dated 25.01.2017. Subsequently, a revised financial outlay has been approved by the RCCF, Angul Circle vide his memo no. 4660 dt.04.11.2022 in revised wage rates of Rs.333/man-day for an amount of Rs.1,32,718/- (Rupees One Lakh Thirty-Two Thousand Seven Hundred Eighteen) only.</p>

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	date of issue of Stage-II clearance.	<p>A Scheme for Afforestation on degraded forest land to be selected elsewhere measuring one &amp; half times the area under safety zone has been identified in Mohagiri DPF over 0.255 ha and the scheme has been approved by the RCCF, Angul Circle with an financial outlay of Rs. 1,22,400/- vide his memo no. 474/5F.FC-I (MG)-24/2014, dated 28.01.2017. Subsequently, a revised financial outlay has been approved by the RCCF, Angul Circle vide his memo no. 4660 dt.04.11.2022 in revised wage rates of Rs.333/man-day for an amount Rs.2,25,370/- (Rupees Two Lakh Twenty-Five Thousand Three Hundred Seventy) only. The user agency has submitted an undertaking to implement the scheme as per the approved cost.</p> <p>Copy of approved Plan/scheme, payment details and undertaking are enclosed as <b>Annexure-X</b>.</p>																					
(xii)	Period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the Rules framed there-under.	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-XI</b> .																					
(xiii)	Any fund received from the user agency under the project and deposited in the State Forest Department account, except the funds realized for regeneration/demarcation of safety zone, shall be transferred through online portal into Ad-hoc CAMPA account of the State Concerned.	<table border="1"> <thead> <tr> <th colspan="3">Payment towards compensatory Afforestation scheme</th></tr> <tr> <th>Demand Raised by DFO, Cuttack</th><th>Demand/ Payment (in Rs)</th><th>Mode of Payment by user agency</th></tr> </thead> <tbody> <tr> <td>Letter No.12408 Dt 21.12.2016</td><td>2,39,79,700.00</td><td>UTR No.SBINR52017 022300051075 dt. 23.02.2017</td></tr> <tr> <td>Letter No.7415 Dt.10.11.2022</td><td>5,44,45,900.00</td><td>UTR No.SBINR52022 11151508881983 6873 Dt.16.11.2022</td></tr> <tr> <th colspan="3">Payment towards Net Present Value</th></tr> <tr> <td>Letter No.4732 Dt.19.05.2015</td><td>4,68,06,926.00</td><td>UTR No. SBIN520150923 20284420 dt.23.09.2015</td></tr> <tr> <td>Letter No.5770 Dt.02.07.2022</td><td>2,48,07,641.00</td><td>UTR No. UBINO996335 Dt.18.10.2022</td></tr> </tbody> </table>	Payment towards compensatory Afforestation scheme			Demand Raised by DFO, Cuttack	Demand/ Payment (in Rs)	Mode of Payment by user agency	Letter No.12408 Dt 21.12.2016	2,39,79,700.00	UTR No.SBINR52017 022300051075 dt. 23.02.2017	Letter No.7415 Dt.10.11.2022	5,44,45,900.00	UTR No.SBINR52022 11151508881983 6873 Dt.16.11.2022	Payment towards Net Present Value			Letter No.4732 Dt.19.05.2015	4,68,06,926.00	UTR No. SBIN520150923 20284420 dt.23.09.2015	Letter No.5770 Dt.02.07.2022	2,48,07,641.00	UTR No. UBINO996335 Dt.18.10.2022
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		<b>Payment towards Regional Wildlife Management Plan</b>		
		Letter No. 1244 dt. 17.03.2009	12,89,260.00	UTR No. SBIN H13228316738 dt.16.08.2013
		Letter No. 4794 dt. 21.05.2005	14,82,649.00	UTR No. SBIN R5201507271803 1597 dt.27.07.2015
		<b>Site Specific Wildlife Management Plan</b>		
		Letter No. 443 dt. 21.01.2015	1,89,36,000.00	UTR No. SBINR52017022 300051075 dt 23.02.2017
		<b>Payment towards Scheme for Afforestation on the Degraded Forest Land measuring 1.5 times, the area under Safety Zone</b>		
		Letter No.7416 dt.10.11.2022	1,02,970.00	UTR No. SBINR12231957 1542836874 dt 16.11.2022
		<b>Payment towards Scheme for Gap planting and soil moisture conservation activities to restock and rejuvenate the degraded open forest</b>		
		Letter No.7417 dt.10.11.2022	20,15,069.00	UTR No. SBINR52022111 51504199183687 5 dt 16.11.2022
		In compliance to this condition, the user agency has deposited the cost of Compensatory Afforestation into the account of CAMPA as furnished below and the payment details are enclosed as <b>Annexure-XII.</b>		
(xiv)	The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986,if required	In compliance to this condition, the user agency has submitted the Environmental Clearance certificate for the Project which is valid up to Lease period.  Copy of Environmental Clearance certificate enclosed as <b>Annexure-XIII.</b>		
(xv)	No labour camp shall be established on the forest land.	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-XIV.</b>		
(xvi)	The User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;	In compliance to this condition, the user agency has submitted an undertaking to provide free LPG to labourers and staff working at the site, which is enclosed as <b>Annexure-XV.</b>		

<b>Condition No.</b>	<b>Particulars of the conditions stipulated by MoEF &amp; CC, Govt. of India</b>	<b>Compliance</b>
(xvii)	The boundary or the diverted forest land, mining lease and safety zone, as applicable, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates	In compliance to this condition, the boundary of diverted forest land, mining lease and safety zone have been demarcated on ground with 4' high RCC pillars, each leveled with its serial number, distance from pillar to pillar and GPS co-ordinates at the project cost, has been verified by the Divisional Forest Officer, Cuttack Forest Division. Photographs in support of the above statement are enclosed as <b>Annexure-XVI</b> .
(xviii)	The User Agency shall undertake mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation there of shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry. If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the Chief Conservator of Forests (Central) may direct that the mining activities shall remain suspended till such time, such reclamation activities area satisfactorily executed.	In compliance to this condition, the user agency has submitted an undertaking that, reclamation of the mined out areas shall be carried out as per the mining plan approved by IBM, Bhubaneswar. The undertaking in this regard is enclosed as <b>Annexure-XVII</b> .
(xix)	The layout plan of the mining plan/proposal shall not be changed without the prior approval of the Central Government	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-XVIII</b> .
(xx)	The forestland shall not be used for any purpose other than that specified in the proposal.	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-XIX</b> .
(xxi)	The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government.	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-XX</b> .
(xxii)	No damage to the flora and fauna of the adjoining area shall be caused.	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-XXI</b> .



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(xxiii)	Any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-XXII</b> .
(xxiv)	The user agency will abide by the applicable recommendations of the State Government	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-XXIII</b> .
(xxv)	Following activities, as per approved plan/schemes, shall be undertaken by the user agency under the supervision of the user agency State Forest Departments	
	(a) Mitigative measures to minimize soil erosion and choking of stream shall be implemented within a period of three year with effect from the issue of Stage-II clearance in accordance with the approved Plan in consultation with the State Forest Department.	<p>In compliance to this condition, a Scheme /Plan for “Mitigative measures to minimize soil erosion and choking of stream” has been approved by RCCF, Angul Circle vide memo no.474/5F.FC-I(MG) 24/2014 dated 28.01.2017.</p> <p>Subsequently, a revised Scheme /Plan for “Mitigative measures to minimize soil erosion and choking of stream” has been approved by RCCF, Angul Circle vide memo no. approved by RCCF, Angul with an financial outlay of Rs. 4,95,000/-, vide Memo no 4660/5F.FC-85/2022 dated 04.11.2022. The user agency has submitted an undertaking to implement the scheme at the approved cost.</p> <p>Copy of approved scheme, approval order and Undertaking are enclosed as <b>Annexure-XXIV/A</b>.</p>
	(b) Planting of adequate drought hardy plant species and sowing of seeds, in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved scheme.	<p>In compliance to this condition, a Scheme /Plan for “Planting of adequate drought hardy plant species and sowing of seeds” has been approved by RCCF, Angul Circle vide memo no. 474/5F.FC-I(MG) 24/2014 dated 28.01.2017. Subsequently, a revised Scheme /Plan for “Planting of adequate drought hardy plant species and sowing of seeds” has been approved by RCCF, Angul Circle with an financial outlay of Rs. 9, 03,863/-, vide Memo no 4660/5F.FC-85/2022 dated 04.11.2022. The user agency has submitted an undertaking to implement the scheme at the approved cost. Copy of approval order and Undertaking are enclosed as <b>Annexure-XXIV/B</b>.</p>
	(c) Construction of check dams, retention toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme.	<p>In compliance to this condition, a Scheme /Plan for “Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme” has been approved by RCCF, Angul Circle vide memo no.</p>

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		<p>474/5F.FC-I(MG) 24/2014 dated 28.01.2017.</p> <p>Subsequently, a revised Scheme /Plan for “Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme” has been approved by RCCF, Angul Circle with an financial outlay of Rs. 19, 96,126/-, vide Memo no 4660/5F.FC-85/2022 dated 04.11.2022.The user agency has submitted an undertaking to implement the scheme at the approved cost.</p> <p>Copy of approval order and Undertaking are enclosed as <b>Annexure-XXIV/C</b>.</p>
	<p>(d) Stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of repose at any given place is less than 28°; and</p>	<p>In compliance to this condition, a Scheme /Plan for “Stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of repose at any given place is less than 28°” has been approved by RCCF, Angul Circle vide memo no. 474/5F.FC-I(MG) 24/2014 dated 28.01.2017.</p> <p>Subsequently, a revised Scheme /Plan for “Stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of repose at any given place is less than 28°” has been approved by RCCF, Angul Circle with an financial outlay of Rs. 8, 66, 83,406/-, vide memo no. 4660/5F.FC-85/2022 dated 04.11.2022.The user agency has submitted an undertaking to implement the scheme at the approved cost.</p> <p>Copy of approval order and Undertaking are enclosed as <b>Annexure-XXIV/D</b>.</p>
	<p>(e) No damage shall be caused to the top-soil and the user agency will follow the top soil management plan.</p>	<p>In compliance to this condition, a Scheme /Plan for top soil management has been approved by the RCCF, Angul Circle vide memo no. 474/5F.FC-I (MG) 24/2014 dated 28.01.2017. Subsequently, a Scheme /Plan for top soil management has been approved by RCCF, Angul Circle vide memo no. 4660/5F.FC-85/2022 dated 04.11.2022. The user agency has submitted an undertaking to implement the scheme at the approved cost. Copy of approved Plan/scheme and Undertaking are enclosed as <b>Annexure-XXIV/E</b>.</p>

Condition No.	Particulars of the conditions stipulated by MoEF & CC, Govt. of India	Compliance
(xxvi)	The State Government shall complete settlement of rights, in terms of the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, if any, on the forest land to be diverted and submit the documentary evidence as prescribed by this Ministry in its letter No. 11-9/1998-FC(pl.) dated 03.08.2009 read with 05.07.2013. in support thereof;	In compliance to this condition, the Collector & District Magistrate, Jajpur has issued Certificate under FRA, 2006 over an area of 64.463 ha of Forest Land to be diverted.  Copies of the FRA certificates along with proceedings DLC, SDLC & Gram Sabha resolution are enclosed as <b>Annexure –XXV</b> .
(xxvii)	User agency either himself or through the State Forest Department shall undertake gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40) if any located in the area within 100mtr from outer perimeter of the mining lease. The plan for plantation & SMC activities will be prepared and submitted to MoEF & CC before Stage-II Clearance;	In compliance to this condition, a Scheme for “gap planting and SMC activities to restock and rejuvenate the degraded open forests of an area of 2.28ha (having crown density less than 0.40) located within 100 meters from outer perimeter of the Mining Lease has been approved by the RCCF, Angul Circle, vide his memo no.4660/5F.FC-85/2022 dated 04.11.2022 of Rs. 20, 15,069/- (Twenty Lakh Fifteen Thousand Sixty Nine only). The user agency has deposited the approved cost in the accounts of Ad-hoc CAMPA, Odisha, the above amount vide UTR No. SBINR52022111515041991 Dt.15.11.2022. Copy of approved Plan/scheme and payment details are enclosed as <b>Annexure-XXVI</b> .
(xxviii)	The user Agency shall undertake mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry, If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the Chief Conservator of Forests (Central) may direct that the mining activities shall remain suspended till such time, such reclamation activities area satisfactorily	In compliance to this condition, the user agency has submitted an undertaking that to operate the mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980 in the concerned State Government and the concerned Regional Office of the Ministry.  The undertaking is enclosed as <b>Annexure-XXVII</b> .

Condition No.	Particulars of the conditions stipulated by MoEF & CC, Govt. of India	Compliance
	executed.	
(xxix)	The User Agency shall prepare a list of existing village tanks and other water bodies with GPS coordinates located within five km. from the mine lease boundary. This list is to be duly verified by the concerned Divisional Forest Officer. The User Agency shall regularly undertake desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/water bodies. A detailed plan for desilting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF & CC before Stage-II approval.	<p>In compliance to this condition, list of existing village ponds has been prepared with GPS co-ordinates located within five km. from the mining lease boundary and duly verified by the Divisional Forest Officer, Cuttack Forest Division</p> <p>After consultation with state forest department two nos of ponds present at Bamanagar &amp; Kusumundia villages have been selected for Desilting &amp; Ancillary Activities to mitigate the Impact of siltation. Accordingly, a scheme has been prepared and duly approved by RCCF, Angul vide his Memo no 48045F.FC-85/2022 dated 11.11.2022. The user agency has submitted an undertaking to implement the scheme at the approved cost.</p> <p>The copy of the scheme and undertaking for implementation of the approved scheme are enclosed as <b>Annexure-XXVIII.</b></p>
(xxx)	The User Agency shall submit the annual self compliance report in respect of the above stated conditions to the State Government concerned Regional Office and to this Ministry by the end of March every year.	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-XXIX.</b>
(xxxi)	Any other condition that the concerned Regional Office of this Ministry may stipulate, from time to time, in the interest of conservation, protection and development of forests & wildlife; and	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-XXX.</b>
(xxxii)	The user agency shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines & Hon'ble Court Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project	In compliance to this condition, the user agency has submitted an undertaking which is enclosed as <b>Annexure-XXXI.</b>

For Balasore Alloys Ltd



  
 Nagendra Kumar Akula  
 Managing Director

<b>Status of Compliances to additional conditions Imposed by F &amp; E Department., Govt. of Odisha</b> <b>Vide letter no 10F(Con) 381/2015 22041/ F&amp;E, Bhubaneswar, dated 28-11-16</b>	
<p>The user agency shall pay the approved cost of duly approved Site Specific Conservation Plan with Adhoc-CAMPA Account for execution of activities by DFO, Cuttack in project Impact area. The lessee shall also undertake that they will implement the approved components of plan within the leasehold area.</p>	<p>In compliance to this condition, it is submitted that the Site Specific Wildlife Conservation Plan (SSWLCP) pertaining to Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. has been approved by the PCCF (WL) &amp; CWLW, Odisha vide letter No. 8475 dt 07.11.2014 with a total financial outlay of Rs. 2,54,18,000.00. The user agency has deposited Rs.1, 89, 36,000.00 online through RTGS mode vide UTR No. SBINR52017022300051075 dt 23.02.2017 in ORISSA CAMPA as per the demand raised by this office for its implementation in impact area of Cuttack Forest Division.</p> <p>The copy of the approvals, demand letters and RTGS receipts in support of proof of the deposit by M/s Balasore Alloys Ltd. are enclosed as <b>Annexure-I/A</b>.</p>

For Balasore Alloys Ltd



  
**Nagendra Kumar Akula**  
**Managing Director**



**Status of Compliances to the Conditions Stipulated in Stage-1 approval vide letter dated 18<sup>th</sup> November,2016&25<sup>th</sup> July,2017 File No F.No 8-14/2016-FC in respect of Kaliapani Chromite Mines of M/s Balasore Alloys Ltd at /Po: Kaliapani, Tehsil: Sukinda, Dist: Jajpur,Odisha**

**Contents**

<b>Sl/no/annexure no</b>	<b>Details</b>
	Compliances to the Stage-1 Conditions
Annexure No	Details
I	Undertakingw.r.t. Condition. i
II	The copy of approved CA schemes, Demand letters of Divisional Forest Officer, Cuttack Forest Division and copy of deposit challans
III	Copy of Map showing CA land depicted on a Survey of India toposheet of1:50,000scale
IV	The copy of alienation letter from Tahasildar, DharmasalaMutation order & copy of RoR
V	The copy of the PF notifications
VI	Details of payment made through CAMPA& NPV payment
VII	Details of NPV paid
VIII	Undertaking w.r.t Condition VIII
IX	letter Vide No F.No8-14/2016-FC dated 25 <sup>th</sup> July, 2017 from MoEF& CC, Govt. of India regarding deletion of conditions ix &xMoEF& CC guideline Vide no F.No 11-42/2017-FC dated 27 <sup>th</sup> Januray,2018
IX.A	Undertaking regarding to abide by the decision to be taken by the committee. And pay penal CA as recommended by FAC
X	Copy of approved Plan/scheme, payment details and undertaking for implementation of safety zone Scheme.
XI	Undertaking w.r.t Condition xii
XII	Details of payment deposited towards the cost of Compensatory Afforestation into the account of CAMPA
XIII	Copy of Environmental Clearance
XIV	Undertaking for no labour camp establishment inside mines w.r.t Condition xv
XV	Undertaking to provide fuel to laborer engaged at mines w.r.t Condition xvi
XVI	Photographs of mines boundary demarcated by erecting four feet high reinforced cement concrete pillars,
XVII	Undertaking to take mining in phased manner w.r.t Condition xviii
XVIII	Undertaking to take prior approval for change in layout w.r.t Condition xix
XIX	Undertaking to use Forest land for mining purpose onlyw.r.t Condition xx
XX	Undertaking for not transferring the land to any other agency without prior permission w.r.t Condition xxi
XXI	Undertaking for no damage to flora fauna of adjacent area w.r.t Condition xxii
XXII	Undertaking for no tree falling w.r.t Condition xxiii
XXIII	Undertaking to abide by the recommendation of state government w.r.t

**Status of Compliances to the Conditions Stipulated in Stage-1 approval vide letter dated 18<sup>th</sup> November, 2016 & 25<sup>th</sup> July, 2017 File No F.No 8-14/2016-FC in respect of Kaliapani Chromite Mines of M/s Balasore Alloys Ltd at /Po: Kaliapani, Tehsil: Sukinda, Dist: Jajpur, Odisha**

	Condition xxiv
XXIV.A	Copy of Scheme prepare earlier and approved revised Scheme /Plan for “Mitigative measures to minimize soil erosion and choking of stream” approval order and undertaking for implementation
XXIV.B	Copy of revised Scheme /Plan for “Planting of adequate drought hardy plant species and sowing of seeds stream” approval order and Undertaking for implementation
XXIV.C	Copy of revised a Scheme /Plan for “Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme, approval order and undertaking for implementation
XXIV.D	Copy of Scheme /Plan for “Stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of repose at any given place is less than 28°”, approval order and Undertaking for implementation
XXIV.E	Scheme /Plan for top soil management approval order and undertaking for implementation
XXV	Copies of the FRA certificates along with proceedings DLC, SDLC & Gram Sabha resolution
XXVI	Copy of approved Plan/scheme gap planting and SMC activities to restock and rejuvenate the degraded open forests of an area of 2.28ha (having crown density less than 0.40) located within 100 meters from outer perimeter of the Mining Lease and payment details
XXVII	undertaking regarding mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry.
XXVIII	Copy of the scheme for desilting of village ponds and undertaking for implementation
XXIX	Undertaking to submit the annual self-compliance report
XXX	Undertaking to abide by Any other condition that the concerned Regional Office of this Ministry may stipulate, from time to time, in the interest of conservation, protection and development of forests & wildlife;
XXXI	Undertaking to comply all the provisions of the all Acts, Rules, Regulations, Guidelines & Hon'ble Court Order (s) pertaining to this project,
XXXII	The copy of the approvals, demand letters and RTGS receipts in support of proof of the deposit & undertaking to carry out activities to be carried out inside ML area as per WLCP

For Balasore Alloys Ltd

  
 Nagendra Kumar Akula  
 Managing Director



**BALASORE ALLOYS LIMITED**

CIN-L27101OR1984PLC001354



Proposal for diversion 64.119 ha. of Sabik KISSAM forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha


**Annexure-1**

**Undertaking**

We do hereby undertake to state that Legal status of the diverted forest land involved in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd shall remain unchanged.




For Balasore Alloys Ltd

  
Nagendra Kumar Akula  
Managing Director

14

**COUNTERSIGNED**

  
Divisional Officer  
Cuttack Forest Division

14

Scheme for Compensatory  
Afforestation over an area of  
Ac.158.02 (63.949 ha.) Govt.  
Non-Forest land identified in  
village RAHADPUR under DHARMASALA TEHSIL  
of Jajpur District under Cuttack Forest Division against  
proposal for *diversion of 64.119 ha* forest land for  
Kaliapani Chromite Mines M/S BALASORE ALLOYS LTD.

Divisional Forest Officer  
Cuttack Forest Division



**SCHEME FOR COMPENSATORY AFFORESTATION AGAINST PROPOSED DIVERSION OF 64.119 HECTARE FOREST LAND IN MINING LEASE AREA OF KALIAPANI CHROMITE MINES.**

**1. Introduction:**

A mining lease over 64.463 hectares for Chromite was granted to M/s Balasore Alloys Ltd by the Government of Odisha, Department of Steel and Mines vide order no 5279/SM dated 22-5-2000 and lease has been executed on 15-07-2000 for 30 years w.e.f. 17-07-2000 over an area of 64.463 ha. Mining Lease area does not involves any Forest land. Subsequently it has been noticed by the authorities that the part of lease area (64.119ha) was classified as Forest kissam as on 25.10.1980 and it is required to obtain approval from Govt. of India under Provisions of The Forest (Conservation) Act, 1980. The User Agency has filed application for diversion of entire Forest land 64.119 ha coming within ML area i.e. 64.463 ha. Equivalent quantum of Govt. Non- Forest land against the forest land so involved excluding safety zone measuring 0.17 ha has been Identified by the user agency for raising Compensatory Afforestation as required by statutory provisions of Forest (Conservation) Act 1980.

**2. Location of Non Forest Land Selected:**

The required non- Forest land has been identified at village: Rahadpur, Tahasil: Dharmasala, District: Jajpur. The selected land has been allotted by the Collector, Jajpur District vide his letter No.1615 dated 04.04.2016. The detail land schedule is given below.

Table No-1

Sl. No	Khata No	Plot No	Area (in Acre) as per RoR	Name of Tenants	Klsam	Area found suitable for Compensatory Afforestation. (in Acre)(After Joint Verification)
1	2	3	4	5	6	7
1	235	1	529.75	AAA	Parbat	158.02
TOTAL AREA			529.75			158.02
						or 63.949 hectare

NB: AAA (Abada Ajogya Anabadi)

The land allotted for Compensatory Afforestation against proposed diversion of Forest Land at Kallapani Chromite Mines is about 50 km distance from the project site and comes under Dalijora Range of Cuttack Division. The Mining



Project as well as the Compensatory Afforestation land so identified is in the same district.

### 3. Approach to the Site:

The site is approachable by Paradeep-Daitary Express High Way. It is situated at a distance of 30 kms from Chandikhol in Northern direction (Chandikhol-Kalinganagar direction) west from Barada Chhak. It comes under Survey of India Topo Sheet no 73L/1 (F45U1).

The GPS Co-ordinate of cardinal points of the area is as given at **Table no-2**

Table No-2

CO-ORDINATES OF C.A.LAND PILLARS		
PILLAR NO	LONGITUDE	LATITUDE
1	E086°01'21.35"	N20°45'46.80"
2	E086°01'25.04"	N20°45'53.58"
3	E086°01'32.69"	N20°45'54.21"
4	E086°01'35.37"	N20°46'04.26"
5	E086°01'31.83"	N20°46'06.43"
6	E086°01'32.26"	N20°46'08.32"
7	E086°01'34.52"	N20°46'07.87"
8	E086°01'36.40"	N20°46'09.34"
9	E086°01'42.36"	N20°46'22.89"
10	E086°01'44.58"	N20°46'25.13"
11	E086°01'45.38"	N20°46'25.51"
12	E086°01'45.84"	N20°46'26.90"
13	E086°01'45.51"	N20°46'30.42"
14	E086°01'44.05"	N20°46'31.67"
15	E086°01'43.71"	N20°46'32.95"
16	E086°01'43.56"	N20°46'34.59"
17	E086°01'30.55"	N20°46'42.07"
18	E086°01'29.18"	N20°46'40.45"
19	E086°01'24.98"	N20°46'35.76"
20	E086°01'22.97"	N20°46'33.24"
21	E086°01'20.69"	N20°46'30.21"
22	E086°01'24.31"	N20°46'18.49"
23	E086°01'25.88"	N20°46'13.32"
24	E086°01'27.95"	N20°46'09.96"
25	E086°01'28.17"	N20°46'07.93"
26	E086°01'27.86"	N20°46'05.39"
27	E086°01'26.96"	N20°46'03.80"
28	E086°01'24.95"	N20°46'01.33"
29	E086°01'24.08"	N20°46'00.62"
30	E086°01'22.70"	N20°45'59.36"
31	E086°01'21.33"	N20°45'58.13"

32	E086°01'18.03"	N20°45'54.75"
33	E086°01'16.01"	N20°45'52.54"
34	E086°01'14.80"	N20°45'51.19"

#### 4. Topography:

The selected site is partly rocky/hilly a no of seasonal nallas also exists. There is a MIP project on southern side and the selected site is coming within its catchment. The land is partly plain with gentle slope and partly with moderate slope.

##### 4.1 Soil:

The soil is loamy and partly Black cotton soil. The soil depth is good to sustain vegetation at higher succession stage. Some portion of the land contains Rocky and morrum soil. In some portion the hills having more than 30% slope.

##### 4.2 Climate:

The area experiences a tropical & humid climate with three distinct seasons i.e. prolonged summer, erratic rains and shorter winter. During summer the average temperature remains around 34-39°C. The highest temperature experienced in May is around 45°C, which cools down in June due to pre-monsoon rain. Annual rainfall is around 1200mm. Most of the precipitation is during July- August caused due to Cyclonic depression in Bay of Bengal. Winter is not severe and prominent. Average winter temperature remains around 18-23°C.

#### 5. Habitation.

**5.1 Population.** The Village Rahadpur is surrounded by villages namely Dankari, Rampei, Kampira. The population of these villages is as given below.

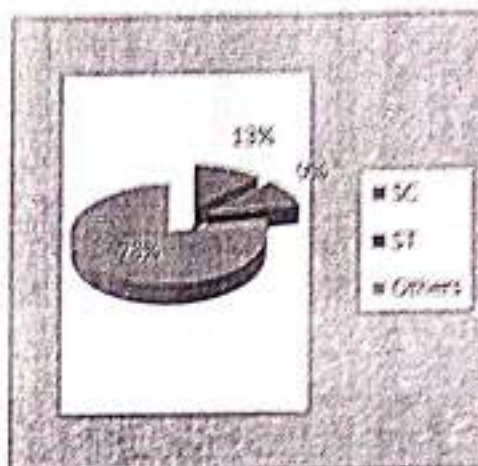
Sl No	District	Name of Village	Total Population	SC population	ST Population	Male female ratio (Per 1000 male)
1	Jajpur	Rahadpur	236	32	0	1000:1024
2		Dankari	949	130	342	
3		Rampei	670	73	41	



4	Kampra	2439	307	25	
	Total	4294	542	408	

## 5.2 Presence of VSS / Joint Forest management.

Out of four villages located surrounding Rahadpur village, No villages has been covered under Joint Forest management Programme. Hence VSS is to be constituted in all four villages in order to mobilize peoples' participation of compensatory afforestation as well as to ensure protection & management of degraded forest area.



## 5.3 Existing Vegetation.

The site bears sporadic bushy growth here and there. The species available are mostly thorny and of dry locality.

The species seen are

- i. Dyospyrus melanoxylon( Kendu)
- ii. Zyziphus mauritiana ( Jammu)
- iii. Acacia nilotica( Babul)
- iv. Clestanthus collinus(Koroda)
- v. Chloroxylon swietenia(Bheru)

## 5.4 Grazing.

The selected land encounters light to moderate biotic interference. Presence of Goat and cattle population in the vicinity villages are of good number. Grazing pressure remains throughout the year. SO measures require to be taken for better protection and survival of plantation through vegetative fencing.

## 6. Planting methods.

### 6.1 Area of Plantation.

The area to be covered under compensatory Afforestation is 63.949 ha i.e. equivalent to forest land proposed for diversion. The Topography of the area is hard soil, rocky having more than 30% slope partly. Thereafter it is proposed for taking plantation in bald hill model over 63.949 ha for better management of plantation.

#### **6.2 Plant density:**

Block plantation with a plant density @1000 per hectare will be taken up. The approved cost norm for 1000 plants per hectare (Bald Hill Mode) with 10 year maintenance will be applicable to this scheme.

#### **6.3 Survey, Demarcation & pillar posting.**

The selected land has already been surveyed, Demarcated and RCC pillars of 4ft high has been posted. At the 0<sup>th</sup> year of execution these posted pillars are to be maintained if required. The area is to be sub divided in to sub plots for easy execution. These sub plots will be along the contour.

#### **6.4 Choice of Species & Raising of Nursery.**

Considering the terrain, Soil and Plant succession stage the following species will be planted up.

- i. *Ajadiracta indica* (Neem)
- ii. *Pongamia pinnata* (Karanja)
- iii. *Emblica officinalis* (Amla)
- iv. *Cassia siamea* (San- Chakunada)
- v. *Syzgium cumini*. (Jamu)
- vi. *Acacia nilotica*. (Babul)
- vii. *Zyziphus mauritiana* (Bar koli / Ber)
- viii. *Terminalia belerica*, (Bahada)
- ix. *Terminalia tomentosa* (Asan)

Seedlings will be raised at a temporary nursery near to water body (Rani bandha) close to the planting site from December of the 0<sup>th</sup> year.

#### **6.5 Alignment, stacking and Pitting.**

Alignment and stacking will be taken up in the month of November - December. Pits of size 45 cm x 45cm x 45cm are to be dugout with a spacing of 2.5mt x 2.5mt @1000 plants per hectare. Alignment will be made along the contour strictly.



## **6.6 Planting**

plantation will be done after first regular shower of monsoon and to be completed within a week. Before planting, pits are to be prepared with mixture of half cubic-feet of Alluvial soil & farmyard manure. Basal dose of NPK/DAP fertilizer @50gm per plant to be given. Utmost care is to be taken to apply insecticides @5gm per pit. Casualty replacement is to be taken up during 1st year of plantation just after one month of planting. Planting should be taken up on rainy/cloudy days by adopting standard techniques of planting during mid June i.e. after the onset of monsoon. 10% causality replacement is also suggested during 2nd Year.

## **Mulching**

Mulching is an operation where cut vegetative materials are placed around planted seedlings covering the soil around it. This help soil climate to considerable extent from desiccation. Mulching effect soil temperature, help condensation and prevent soil erosion and loss of soil moisture through evaporation. Further, it is to be carried out at the time 2<sup>nd</sup> weeding. Weeds which have not lowered may be pulled out from around the planted seedlings and may be used as mulches around the seedlings. Pruning of lower branches of the seedlings planted should be done in the third & subsequent years.

## **6.7 Weeding, Soil working and Application of Fertilizer.**

Post planting operation is most vital in success of any planting programme. It is proposed to carry out weeding in two phases during first year. Preferably Strip Weeding along the contour will be taken up. One weeding and soil working has to be done in second year and third year of plantation. Application of 30gms of NPK/DAP to be added to the soil per plant at the time of soil working during rains during 1st & 2nd year of plantation.

## **6.8 Application of insecticide:**

To prevent infestation of planted seedlings with diseases due to influx of insects and pests into the area, it is required to apply insecticides like Phorate at the time of planting. Foliar spraying of Insecticide may be done if badly necessary.

## **6.9 Fire line tracing and maintenance:**



Tender seedlings planted are subject to damage by ground fire. It is required to protect the plantation and forest growth from fire hazard by tracing of fire lines. Boundary of the plantation and several internal lines need to be scrapped to a width of 2mtr during February-March. The cut back materials and dry leaves along with fire lines should be separated and dumped in pits outside the plantation area.

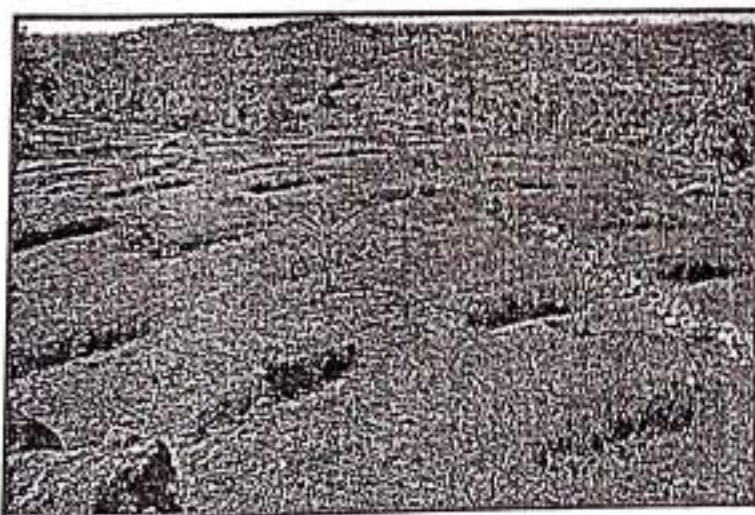
#### **6.10 Watch and ward:**

Watch and ward is necessary to protect the area from grazing, fire accident and other biotic interference. Necessary provisions have been made in the approved cost norm. Beyond 4<sup>th</sup> year watch & ward will be provided up to 10<sup>th</sup> Year including 0<sup>th</sup> year

#### **6.11 Soil & Moisture Conservation.**

In order to enhance soil moisture, check run off and arrest carrying of silt in the flow water it is required to have staggered trenches (Size 2.5 m longx0.50 m width X0.5 m Deep) along the contour. Line to line Interval is to be kept at 4m or as required considering the degree of slope of the land.

Besides the provisions available in the cost norm, as the tract is hilly and two rivulets are passing through it is suggested to have Loose Boulder Check Dam on the dry seasonal nallas to check soil erosion and saving the MIP project being silted up, situated near the site. (Depicted on the Topo sheet.)





### Plantation year/Preparatory operation (0<sup>th</sup> year)

- (i) Survey demarcation and pillar posting.
- (ii) Fencing
- (iii) Site preparation
- (iv) Digging of Pits
- (v) Soil & water conservation measures
- (vi) Raising of Nursery

### 2<sup>nd</sup> Year Operation

During the second year operation the following works will be taken up.

**(i) 1<sup>st</sup> weeding, causality replacement and application of chemical fertilizer.:-**

Weeding will be taken up during 1<sup>st</sup> week of August. Soil working with 0.5 mtr. radius will be done along with the replacement of 10% casualties and application of chemical fertilizer@50 gms per plant in crow bar holes. Precaution should be taken up for conservation of soil and water at the time of soil working.



**(ii) 2<sup>nd</sup> weeding :** 2<sup>nd</sup> weeding will be done during 1<sup>st</sup> week of October.

Mulching of the plant sides will be done for conservation of moistures.

**(iii) Fire line tracing and Control:** Fire tracing will be done during January & February like previous year.

**(iv) Watch & Ward:** Daily wage watchers to be engaged for the whole year as like previous year.

### 3<sup>rd</sup> Year Operation

- (i) Weeding, soil working & maintenance of plantation:** weeding and deep soil working will be taken up during July and August. Maintenance of fencing, SMC measure and maintenance of plantation will be done during April-March (Next year)

- (ii) **Fire line tracing and Control:** Fire tracing will be done during January & February like previous year.
- (iii) **Watch and Ward:** Daily wage watchers shall be engaged for the whole year as in previous years.

#### **4<sup>th</sup> Year Operation**

- (i) **Maintenance of plantation:** Repair and maintenance of fencing, SMC measure and maintenance of plantation with watch and ward will be taken up after April-March.
- (ii) **Fire line tracing and Control:** Fire tracing will be done during January & February like previous year.
- (iii) **Watch and Ward:** Daily wage watchers shall be engaged for the whole year as like previous years.

#### **5<sup>th</sup> Year Operation**

- (i) **Maintenance of plantation:** SMC measure and maintenance of plantation with watch and ward will be taken up after April-March.
- (ii) **Fire line tracing and Control:** Fire tracing will be done during January & February like previous year.
- (iii) **Watch and Ward:** Daily wage watchers shall be engaged for the whole year as like previous years.

#### **6<sup>th</sup> Year Operation**

- (i) **Maintenance of plantation:** SMC measure and maintenance of plantation with watch and ward will be taken up after April-March.
- (ii) **Fire line tracing and Control:** Fire tracing will be done during January & February like previous year.
- (iii) **Watch and Ward:** Daily wage watchers shall be engaged for the whole year as like previous years.

#### **7<sup>th</sup> Year Operation**

- (i) **Maintenance of plantation:** SMC measure and maintenance of plantation with watch and ward will be taken up after April-March.



- (ii) **Fire line tracing and Control:** Fire tracing will be done during January & February like previous year.
- (iii) **Watch and Ward:** Daily wage watchers shall be engaged for the whole year as like previous years.

#### **8<sup>th</sup> Year Operation**

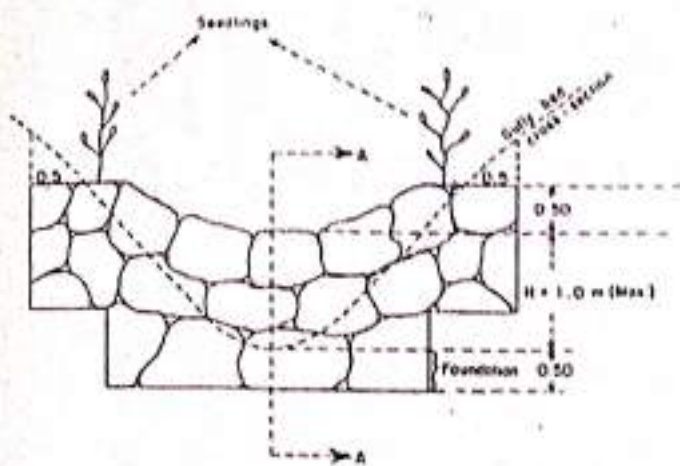
- (i) **Maintenance of plantation:** SMC measure and maintenance of plantation with watch and ward will be taken up after April-March.
- (ii) **Fire line tracing and Control:** Fire tracing will be done during January & February like previous year.
- (iii) **Watch and Ward:** Daily wage watchers shall be engaged for the whole year as like previous years.

#### **9<sup>th</sup> Year Operation**

- (i) **Maintenance of plantation:** SMC measure and maintenance of plantation with watch and ward will be taken up after April-March.
- (ii) **Fire line tracing and Control:** Fire tracing will be done during January & February like previous year.
- (iii) **Watch and Ward:** Daily wage watchers shall be engaged for the whole year as like previous years.

#### **10<sup>th</sup> Year Operation**

- (i) **Maintenance of plantation:** SMC measure and maintenance of plantation with watch and ward will be taken up after April-March.
- (ii) **Fire line tracing and Control:** Fire tracing will be done during January & February like previous year.
- (iii) **Watch and Ward:** Daily wage watchers shall be engaged for the whole year as like previous years.



### 8. Monitoring and Execution

The Scheme will be executed by the Forest department and shall be monitored from time to time by responsible officers including DFO, Nursery, Plantation journal and other relevant documents shall be maintained as per the provision of the plantation manual. The area after mutation in favour of Forest Department will be declared as Protected Forest.

### 9. Total Cost of the Project.

The total cost of the project will be **Rs.7, 67,43,916.00 (Rupees Seven Crore Sixty-Seven Lakh Forty-Three Thousand Nine Hundred Sixteen) only** as detailed furnished here with which will be deposited after due approval of the Scheme.

  
Divisional Forest Officer  
Cuttack Forest Division




Financial Outlay for **Compensatory Afforestation Scheme** over an area of **63.949 ha of Non-Forest land** identified in village **Rahadpur** under **Dharmasala Tahasil** in **Cuttack Forest Division** in lieu of forest land to be diverted for **Kaliapani Chromite Mines** of **M/s Balasore Alloys Ltd.** as per approved **One-time Cost Norm**

Sl. No.	Description	Amount (Rs.)
1.	Cost of Block Plantation without provision of fencing @ 1000 seedlings per ha with 18 months old seedlings over 63.949 ha @ Rs.2,46,454/- per ha with 10 years maintenance	1,57,60,487.00
2.	Cost of SMC activities like staggered trenches, percolation pits, contour trench, graded earthen bund, LBCD, wire mesh LBCD, Sub-Surface Dyke and WHS as per the slope and site requirement @ Rs.37,415.00 per ha over 63.949 ha with 5 years maintenance	23,92,652.00
3.	Cost of chain link wire mess fencing over 63.949 ha @ Rs.4,40,299/- per ha / 250 mt. with 10 years maintenance	2,81,56,681.00
4.	Watering Diesel Pump Set fitted with borewell over 63.949 ha @ Rs.5,02,209/- per ha	3,21,15,763.00
	<b>Grand Total</b>	<b>7,84,25,583.00</b> <b>or rounded off to</b> <b>7,84,25,600.00</b>

(Rupees SevenCrore eighty four lakhs twenty five thousand and six hundred) only

Approved

  
Principal Chief Conservator of Forests  
Forest Diversion & Nodal Officer, FC Act

Principal Chief Conservator of Forests  
(Forest Diversion & Nodal Officer FC Act)  
O/o. the P.C.C.F Odisha, Bhubaneswar

**Total Project Cost for Compensatory Afforestation Plantation in land over 63.949 ha in Village Rahadpur.**

Sl No.	Item of Work	Estimated cost in (Rs.)
1	Block Plantation (1000 Plants/ Ha.) over 63.949 Ha @ <u>2,47,719/Ha</u> <sup>2,46,454.00</sup>	Rs. <u>1,58,41,382.33</u> <sup>1,57,60,487.00</sup>
2	Matrix for Fencing Model-F-II (Iron angel with Chain link wire mesh) over 63.949 Ha @ <u>4,19,388/Ha</u> <sup>4,40,299.00</sup>	Rs. <u>2,68,19,443.21</u> <sup>2,81,56,681.00</sup>
3	Soil Moisture Conservation cost over 63.949 Ha @ <u>35,634/Ha</u> <sup>37,415.00</sup>	Rs. <u>22,78,758.66</u> <sup>23,98,652.00</sup>
4	Watering Model-II (Diesel Pump set Fitted with Bore well) over 63.949 Ha @ <u>4,97,339/Ha</u> <sup>5,02,209/-</sup>	Rs. <u>3,18,04,331.71</u> <sup>3,21,15,762.00</sup>
	<u>7,84,25,583.00</u> or <u>7,84,25,600.00</u> Grand Total	Rs. <u>7,67,43,915.91</u> Or Rs. <u>7,67,43,916.00</u>

**Rupees Seven Crore Sixty-Seven Lakh Forty-Three Thousand Nine Hundred Sixteen) Only**

  
**DIVISIONAL FOREST OFFICER**  
**CUTTACK FOREST DIVISION**

**Total Project Cost for Compensatory Afforestation Plantation in land over 63.949 ha in Village Rahadpur.**

Sl No.	Item of Work	Estimated cost in (Rs.)
1	Block Plantation (1000 Plants/ Ha.) over 63.949 Ha @2,47,719/Ha	Rs.1,58,41,382.33
2	Matrix for Fencing Model-F-II (Iron angel with Chain link wire mesh) over 63.949 Ha @4,19,388/Ha	Rs.2,68,19,443.21
3	Soil Moisture Conservation cost over 63.949 Ha @35,634/Ha	Rs.22,78,758.66
4	Watering Model-II (Diesel Pump set Fitted with Bore well) over 63.949 Ha @4,97,339/ Ha	Rs.3,18,04,331.71
	<b>Grand Total</b>	Rs.7,67,43,915.91 Or Rs.7,67,43,916.00

(Rupees Seven Crore Sixty-Seven Lakh Forty-Three Thousand Nine Hundred Sixteen) Only

  
**DIVISIONAL FOREST OFFICER**  
**CUTTACK FOREST DIVISION**



**BASE COST NORM FOR AFFORESTATION (AR PLANTATION) @1000 PLANTS PER HECTARE**

1. MODEL	BLOCK
2. NO. OF PLANTS PER HA.	1,000
3. TOTAL AREA TO BE PLANTED(In HA.)	63,949
4. SPACING TO BE ADOPTED	2.5M X 2.5M
5. TOTAL NOS. OF PLANTS TO BE PLANTED	63,949
6. Wage Rate [Per MD]	333.00

SL. No.	Item of Works	Period of execution	Mandays	Labour Cost @ Rs.333/-	Material Cost	Total in Rs.
1	2	3	4	5	6	7
<b>Pre-Planting Operation (0<sup>th</sup> Year)</b>						
1	Survey, Demarcation and Pillar Posting	Nov/Dec	2	666.00	0	666.00
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	333.00	100	433.00
3	Site preparation (Cleaning & removal of debris)	Nov/Dec	12	3,996.00	0	3,996.00
4	Creation of 4.00 mt wide Inspection Path	Feb/Mar	1	333.00	0	333.00
5	Alignment and stacking of pits	Feb/Mar	1	333.00	0	333.00
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard & gravelly soil	Feb/Mar	40	13,320.00	0	13,320.00
7	Construction of Temporary Labour Shed, Drinking water facility and First Aid etc.	Jan/Mar	0	0.00	3500	3,500.00
	<b>Total:-</b>		<b>57</b>	<b>18,981.00</b>	<b>3,600.00</b>	<b>22,581.00</b>
<b>1st Year/ Planting Year</b>						
1	Refilling of pits by altering the dugout soil of the pits, application of Organic compounds/ CDM/ FYM & mixing the same properly.	Jun/July	7.5	2,497.50	5,000.00	7,497.50
2	Transportation of 18 months old polypot seedlings in hired truck/ tractor from the Permanent/ Mega nursery to planting site including loading & unloading (Average lead of 10 Rkm) & stacking the seedlings @ Rs.6/- per Seedling (1100 nos.)	July/Aug	0	0.00	6,600.00	6,600.00
3	Watering the polypot seedlings at planting site	July/Aug	2	666.00	0.00	666.00
4	Conveyance of polypot seedlings on head load from the stacking site to individual dug out pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & pressing the soil properly around the planted seedlings.	July/Aug	22.5	7,492.50	0.00	7,492.50
5	<u>Cost of Fertilizer &amp; Insecticide:-</u> (a) NPK / Bio-fertilizer @50 gms/ plant as basal dose = 50 kg @ Rs.30/- per kg = Rs1500.00 (b) Urea/ Vermicompost/ Mo Khata/ any other fertilizer in two subsequent doses @ Rs.750.00 (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 5 kg @ Rs/150/- per kg = Rs 750.00	July/Aug	0	0.00	3,000.00	3,000.00

Sl. No.	Item of Works	Period of execution	Mandays	Labour Cost @ Rs.333/-	Material Cost	Total in Rs.
1	2	3	4	5	6	7
6	Casualty Replacement @ 10% (100 nos.)	July/Aug	2.5	832.50	0.00	832.50
7	1st Weeding & Manuring	Aug/Sept	12	3,996.00	0.00	3,996.00
8	2nd Weeding, Soil working (1mt Diameter around the plants) and Manuring	Oct/Nov	15	4,995.00	0.00	4,995.00
9	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
10	Watch & Ward including watering as per requirement.	Aug-Mar	12	3,996.00	0.00	3,996.00
	<b>Total:-</b>		<b>76.5</b>	<b>25474.5</b>	<b>14600</b>	<b>40,074.50</b>
<b>2nd Year Maintenance</b>						
1	Transportation of 100 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs 6/- per seedling	Jul	0	0.00	600.00	600.00
2	Casualty Replacement @ 10%	Jul	2.5	832.50	0.00	832.50
3	<u>Cost of Fertilizer &amp; Insecticides:-</u> (a) Cost of Insecticide/ Bio-pesticide @ 5 gms/ plant = 0.5 kg @ Rs 150/- per kg = Rs. 75/- (b) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer @ Rs 2800/-	Aug/Sept	0	0.00	2,875.00	2,875.00
4	Weeding (Complete weeding), Manuring & Soil working (1mt. Diameter around the plants).	Sept/Oct	15	4,995.00	0.00	4,995.00
5	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
6	Watch & Ward including watering as per requirement.	Apr-Mar	18	5,994.00	0.00	5,994.00
7	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.				1,000.00	1,000.00
	<b>Total:-</b>		<b>38.5</b>	<b>12820.5</b>	<b>4,475.00</b>	<b>17295.5</b>
<b>3rd Year Maintenance</b>						
1	Cost of fertilizer (Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer)	Sept/Oct	0	0.00	2,800.00	2,800.00
2	Weeding, Manuring & Soil working (1mt. Diameter around the plants)	Sept/Oct	15	4,995.00	0.00	4,995.00
3	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
4	Watch & Ward including watering as per requirement.	Apr-Mar	18	5,994.00	0.00	5,994.00
5	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr-Mar			1,000.00	1,000.00
	<b>Total:-</b>		<b>36</b>	<b>11,988.00</b>	<b>3,800.00</b>	<b>15,788.00</b>



Sl. No.	Item of Works	Period of execution	Manudays	Labour Cost @ Rs.333/-	Material Cost	Total in Rs.
1	2	3	4	5	6	7
<b>4th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb-Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>5th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb-Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>6th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb-Mar	3	999.00	0.00	999.00
2	Pruning of branches, Singling out of multiple shoots	Jan-Mar	3	999.00	0.00	999.00
3	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>24</b>	<b>7,992.00</b>	<b>0</b>	<b>7,992.00</b>
<b>7th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb-Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>8th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb-Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>9th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb-Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>10th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb-Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>

TOTAL COST FOR 1 HA.						
Sl. No.	Year	No. person days	Labour Cost @ Rs.333/-	Material Cost (Rs.)	Monitoring Evaluation, Learning, Documentation and other Contingency (5%) of (4+5)	Total Cost (Rs.)
1	0th year	57	18981	3600	923	0
2	1st year	76.5	25474.5	14600	1918.5	58353.46
3	2nd year	38.5	12820.5	4475	821.5	5304.86
4	3rd year	36	11988	3800	749	0
5	4th year	21	6993	0	326	0
6	5th year	21	6993	0	326	0
7	6th year	24	7992	0	326	0
8	7th year	21	6993	0	326	0
9	8th year	21	6993	0	326	0
10	9th year	21	6993	0	326	0
11	10th year	21	6993	0	326	0
Total:-		358	1,19,214.00	26,475.00	6,791.00	63,658.32
						2,16,138.32

TOTAL PROJECT COST FOR 63.949 HA.						
Sl. No.	Year	No. Mandays	Labour Cost @ Rs.333/-	Material Cost (Rs.)	MELD & Other Contingency (5%) of (4+5)	Total Cost (Rs.)
1	0th year	3645.09	1213815.97	230216.40	62222.38	0
2	1st year	4892.10	1629068.8	933655.40	122686.16	3731645.41
3	2nd year	2462.04	819858.15	286171.78	52534.1	339240.49
4	3rd year	2302.16	766620.61	243006.2	47897.8	0
5	4th year	1342.93	447195.36	0	20847.37	0
6	5th year	1342.93	447195.36	0	20847.37	0
7	6th year	1534.78	511080.41	0	23852.98	0
8	7th year	1342.93	447195.36	0	20847.37	0
9	8th year	1342.93	447195.36	0	20847.37	0
10	9th year	1342.93	447195.36	0	20847.37	0
11	10th year	1342.93	447195.36	0	20847.37	0
Grand Total:-		22893.74	76,23,616.10	16,93,049.78	4,34,277.64	40,70,885.91
OR						1,38,21,829.43
						1,38,21,829.00
One Crore Thirty-Eight Lakh Twenty-One Thousand Eight Hundred Twenty-Nine) Only						


Divisional Forest Officer  
Cuttack Forest Division



Matrix for Model-I A Conventional CA Plantation (AR) 1000 plants

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVII I	XIX	XX	XXI	Total Cost (10 Years)
Base Norm	23554	100346	23422	16537	7319	7319	7319	8365	7319	7319	7319	7319											
1	2022-23	23554	105364	25823	19144	8896	9341	11210	10299	10813	11354	11922											247719
2	2023-24		24732	110632	27114	20101	9341	9808	11770	10813	11354	11922	12518										260105
3	2024-25			25968	116164	28469	21106	9808	10299	12359	11354	11922	12518	13144									273111
4	2025-26				27267	121972	29893	22161	10299	10813	12977	11922	12518	13144	13801								286766
5	2026-27					28630	128070	31388	23269	10813	11354	13626	12518	13144	13801	14491							301105
6	2027-28						30062	134474	32957	24433	11354	11922	14307	13144	13801	14491	15216						316160
7	2028-29							31565	141198	34605	25654	11922	12518	15022	13801	14491	15216	15976					331968
8	2029-30								33143	148257	36335	26937	12518	13144	15773	14491	15216	15976	16775				348566
9	2030-31									34800	155670	38152	28284	13144	13801	16562	15216	15976	16775	17614			365994
10	2031-32										36540	163454	40059	29698	13801	14491	17390	15976	16775	17614	18495		384294

(Rupees Two Lakh Forty-Seven Thousand Seven Hundred Nineteen) Only

  
 DIVISIONAL FOREST OFFICER  
 CUTTACK FOREST DIVISION

**FENCING FOR COMPENSATORY PLANTATION RAISED OUTSIDE THE FOREST AREAS  
USING ANGLE IRON & CHAIN LINK WIRE MESH (250 Rmt/Ha.)**

**1. MODEL**

**2. TOTAL AREA TO BE FENCED(250 Rmt/Ha.)**

**3. Wage Rate (Per MD)**

**BLOCK**

**63,949 Ha.**

**333.00**

**WAGE RATE Rs.333/-PER DAY**

Sl. No.	Item of work	Preferable Period of Execution	Man days	Wages	Material cost	Total Cost (Rs. per Ha.)
<b>0th Year (P/O)</b>						
1	Earth work (Excavation of hole) in Hard soil at a distance 3 mt. 0.40m x 0.40m x 0.40m = 0.064 x 84 = 5.376 cum @ Rs. 140/cum = Rs. 753.		2.42	805.86	-	805.86
2	Cement concrete (1:4:8) using 40 mm BHC metal 84 X 0.40m X 0.10m = 1.344 @ 3755.94/cum		-	-	5,047.40	5,047.40
3	Angle Iron pole of size 50mm X 50 mm X 6mm of height 2.40 mt. 84 x 2.40 = 201.60 Sqmt. @ 4.50/kg/Sqmt = 907.20 kg @ 69.50 per kg		-	-	63,050.00	63,050.00
4	Cement Concrete (1:2:4) for fixing the iron angle pole using 12mm BHC Chips 84 X 0.40m X 0.40m X 0.30m = 4.032 cum @ 5486.77/cum		-	-	22,123.00	22,123.00
5	Cost of Chain link mess using 4mm Dia GI wire having gap size 50mm X 50mm 250 Rmt X 2.10mt = 525 Sq. mt 2331/Sqmt = Rs. 1,73,775		-	-	1,73,775.00	1,73,775.00
6	Double coat painting of Iron angle pole over a coat of primer using good quality enamel paint 84 x 2.10 x 0.20 = 35.28 sqmt. @ Rs. 108.80/Sqmt		-	-	3,838.00	3,838.00
7	Painting of GI chain link mess 250 x 2.10 x 2 = 1050/10 = 105 Sqmt @ 108.80 Sqmt.		-	-	11,424.00	11,424.00
8	Transportation of Chain link mess, Iron angle, Straightening & tying of chain link mess etc. @ 2% of the total cost.		-	-	5,600.00	5,600.00
<b>Total:-</b>			<b>2.42</b>	<b>805.86</b>	<b>2,84,857.40</b>	<b>2,85,663.26</b>
<b>Rate per running mt. 285663.26 / 250 = 1143/Rmt</b>						
<b>1st Year Maintenance</b>						
1	No Maintenance is required.		0	0.00	-	-
<b>2nd Year Maintenance</b>						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11	Sept/Oct	0	-	11,000.00	11,000.00
<b>3rd Year Maintenance</b>						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11	Sept/Oct	0	-	11,000.00	11,000.00
<b>4th Year Maintenance</b>						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11	Sept/Oct	0	-	11,000.00	11,000.00
<b>5th Year Maintenance</b>						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11	Sept/Oct	0	-	11,000.00	11,000.00
<b>6th Year Maintenance</b>						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11	Sept/Oct	0	-	11,000.00	11,000.00
<b>7th Year Maintenance</b>						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11	Sept/Oct	0	-	11,000.00	11,000.00



Sl. No.	Item of work	Preferable Period of Execution	Man days	Wages	Material cost	Total Cost (Rs. per Ha.)
8th Year Maintenance						
1	Maintenance of wire mess fence @1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11	Sept/Oct	0	-	11,000.00	11,000.00
9th Year Maintenance						
1	Maintenance of wire mess fence @1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11	Sept/Oct	0	-	11,000.00	11,000.00
10th Year Maintenance						
1	Maintenance of wire mess fence @1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11	Sept/Oct	0	-	11,000.00	11,000.00

#### TOTAL COST FOR 1 HA (250 Rmt.)

Year	No. of MD	Labour Cost	Material Cost	Total
0 <sup>th</sup> Year	2.42	805.86	2,84,857.40	2,85,663.26
1 <sup>st</sup> Year	-	-	-	0.00
2 <sup>nd</sup> Year	0	0	11000	11,000.00
3 <sup>rd</sup> Year	0	0	11000	11,000.00
4 <sup>th</sup> Year	0	0	11000	11,000.00
5 <sup>th</sup> Year	0	0	11000	11,000.00
6 <sup>th</sup> Year	0	0	11000	11,000.00
7 <sup>th</sup> Year	0	0	11000	11,000.00
8 <sup>th</sup> Year	0	0	11000	11,000.00
9 <sup>th</sup> Year	0	0	11000	11,000.00
10 <sup>th</sup> Year	0	0	11000	11,000.00
<b>TOTAL:-</b>	<b>2.42</b>	<b>805.86</b>	<b>3,83,857.40</b>	<b>3,84,663.26</b>

#### TOTAL COST FOR 63.949 HA (15.98725 Rkm)

Year	No. of MD	Labour Cost	Material Cost	Total
0 <sup>th</sup> Year	154.76	51,533.94	1,82,16,345.87	1,82,67,879.81
1 <sup>st</sup> Year	-	-	-	-
2 <sup>nd</sup> Year	-	-	7,03,439.00	7,03,439.00
3 <sup>rd</sup> Year	-	-	7,03,439.00	7,03,439.00
4 <sup>th</sup> Year	-	-	7,03,439.00	7,03,439.00
5 <sup>th</sup> Year	-	-	7,03,439.00	7,03,439.00
6 <sup>th</sup> Year	-	-	7,03,439.00	7,03,439.00
7 <sup>th</sup> Year	-	-	7,03,439.00	7,03,439.00
8 <sup>th</sup> Year	-	-	7,03,439.00	7,03,439.00
9 <sup>th</sup> Year	-	-	7,03,439.00	7,03,439.00
10 <sup>th</sup> Year	-	-	7,03,439.00	7,03,439.00
<b>TOTAL:-</b>	<b>154.76</b>	<b>51,533.94</b>	<b>2,45,47,296.87</b>	<b>2,45,98,830.81</b>
<b>OR</b>	<b>155</b>	<b>51,534.00</b>	<b>2,45,47,297.00</b>	<b>2,45,98,831.00</b>

(Rupees Two Crore Forty-Five Lakh Ninety-Eight Thousand Eight Hundred Thirty-One) Only

  
Divisional Forest Officer  
Cuttack Forest Division

Matrix for Penching Model (F-1) (From age 1 with Chaitinik, when needed)

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	Total Cost (10 Years)
1	2022-23	285863	0	11000	11000	11000	11000	11000	11000	11000	11000	11000										419309
2	2023-24	285863	0	12128	12734	13371	14039	14741	15478	16252	17065	17918	18814									410357
3	2024-25		299948	314944	0	13371	14039	14741	15478	16252	17065	17918	18814	19754								462377
4	2025-26				330691	0	14039	14741	15478	16252	17065	17918	18814	19754	20742							483104
5	2026-27					347225	0	14741	15478	16252	17065	17918	18814	19754	20742	21779						509750
6	2027-28						364587	0	15478	16252	17065	17918	18814	19754	20742	21779	22868					535257
7	2028-29							382816	0	16252	17065	17918	18814	19754	20742	21779	22868	24012				562020
8	2029-30								401957	0	17065	17918	18814	19754	20742	21779	22868	24012	25212			590121
9	2030-31									422055	0	17918	18814	19754	20742	21779	22868	24012	25212	26473		618627
10	2031-32										443157	0	18814	19754	20742	21779	22868	24012	25212	26473	27790	650608

(Rupees Four Lakh Nineteen Thousand Three Hundred Eighty-Eight) Only

  
DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION



SMC Works Model-C			
Cost Norms for creation of Afforestation with stabilization of Soil & Conservation of Moisture (1000 Plants/ Ha).			
Sl. No.	Items of work	Preferable Period of Execution	Total Cost (Rs.)
<b>0<sup>th</sup> Year (Pre-Planting Operation)</b>			
1	Nil		0
<b>1<sup>st</sup> Year</b>			
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Dyke & WHS as per the slope & site requirement on LS.	Apr/Sept	20,215.00
<b>2<sup>nd</sup> Year</b>			
3	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>3<sup>rd</sup> Year</b>			
4	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>4<sup>th</sup> Year</b>			
5	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>5<sup>th</sup> Year</b>			
6	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>Total</b>			<b>32,343.00</b>

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs.333/- per day	Material Cost	Total Cost (Rs)
1	0 <sup>th</sup> Year	0	0.00	0.00	0.00
2	1 <sup>st</sup> Year	0	0.00	20,215.00	20,215.00
3	2 <sup>nd</sup> Year	0	0.00	3,032.00	3,032.00
4	3 <sup>rd</sup> Year	0	0.00	3,032.00	3,032.00
5	4 <sup>th</sup> Year	0	0.00	3,032.00	3,032.00
6	5 <sup>th</sup> Year	0	0.00	3,032.00	3,032.00
<b>Total</b>		<b>0</b>	<b>0.00</b>	<b>32,343.00</b>	<b>32,343.00</b>

Abstract for 63.949 ha.					
SL No.	Year	No. person days	Labour Cost @ Rs.333/- per day	Material Cost	Total Cost (Rs)
1	0 <sup>th</sup> Year	0	0.00	0.00	0.00
2	1 <sup>st</sup> Year	0	0.00	1292729.04	12,92,729.04
3	2 <sup>nd</sup> Year	0	0.00	193893.37	1,93,893.37
4	3 <sup>rd</sup> Year	0	0.00	193893.37	1,93,893.37
5	4 <sup>th</sup> Year	0	0.00	193893.37	1,93,893.37
6	5 <sup>th</sup> Year	0	0.00	193893.37	1,93,893.37
Total		0	0.00	5498.31	20,68,302.51
OR					20,68,303.00
(Rupees Twenty Lakh Sixty-Eight Thousand Three Hundred Three)only					

  
 Divisional Forest Officer  
 Cuttack Forest Division



Matrix for (SMC) for IHA.

Sl No.	Common cement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
	Base Norm	0	20215	3032	3032	3032	3032																
1	2022-23	0	21228	3343	3510	3688	3870																38034
2	2023-24		0	22287	3510	3688	3870	4063															37915
3	2024-25			0	23401	3688	3870	4063	4266														36286
4	2025-26				0	24571	3870	4063	4266	4480													41255
5	2026-27					0	25800	4063	4266	4480	4704	4938	5188										43313
6	2027-28						0	27000	4266	4480	4704	4938	5188	5445									45478
7	2028-29							0	28445	4480	4704	4938	5188	5445	5717								47720
8	2029-30								0	29867	4704	4938	5188	5445	5717								50040
9	2030-31									0	31580	4938	5188	5445	5717								52472
10	2031-32										0	32825	5188	5445	5717	6003							55279

(Respect Thirty-Five Thousand Six Hundred Thirty-Four) Only

  
 DIVISIONAL FOREST OFFICER  
 CUTTACK FOREST DIVISION



Water Model-W-II			
Water provision to Plantation			
Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wage Rate @ 333/-			
Year of Installation (0 <sup>th</sup> Year)			
1	Cost of Bore well		
2	Cost of Diesel pump Set 5 HP	1,50,000.00	
3	Diesel pump set & accessories like	60,000.00	
4	Water Storage Tanks/ Flexible pipes	30,000.00	
		15,000.00	
	<b>Total</b>	<b>2,55,000.00</b>	
Cost of Water per Plant (2,55,000/5000)=Rs.51/-			51,000.00
Cost of Water per Ha =Rs.51,000/-			
1 <sup>st</sup> Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=		21,000.00
2	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 5Month=100 MDx333=		33,300.00
	<b>Total</b>		<b>54,300.00</b>
2 <sup>nd</sup> Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=		21,000.00
2	Maintenance of pump set etc@15% of the installation Cost		7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=		53,280.00
	<b>Total</b>		<b>81,930.00</b>
3 <sup>rd</sup> Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=		21,000.00
2	Maintenance of pump set etc@15% of the installation Cost		7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=		53,280.00
	<b>Total</b>		<b>81,930.00</b>
4 <sup>th</sup> Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=		21,000.00
2	Maintenance of pump set etc@15% of the installation Cost		7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=		53,280.00
	<b>Total</b>		<b>81,930.00</b>
5 <sup>th</sup> Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=		21,000.00
2	Maintenance of pump set etc@15% of the installation Cost		7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=		53,280.00
	<b>Total</b>		<b>81,930.00</b>



Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.333/- per day	Material Cost	Total cost (Rs.)
1	0 <sup>th</sup> Year	0	0.00	51,000.00	51,000.00
2	1 <sup>st</sup> Year	100	33,300.00	21,000.00	54,300.00
3	2 <sup>nd</sup> Year	160	53,280.00	28,650.00	81,930.00
4	3 <sup>rd</sup> Year	160	53,280.00	28,650.00	81,930.00
5	4 <sup>th</sup> Year	160	53,280.00	28,650.00	81,930.00
6	5 <sup>th</sup> Year	160	53,280.00	28,650.00	81,930.00
Total		740	2,46,420.00	1,86,600.00	4,33,020.00

Abstract for 63,949 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.333/- per day	Material Cost	Total cost (Rs.)
1	0 <sup>th</sup> Year	0.0	0.00	32,61,399.00	32,61,399.00
2	1 <sup>st</sup> Year	6394.9	2129501.70	13,42,929.00	34,72,430.70
3	2 <sup>nd</sup> Year	10231.8	3407202.72	18,32,138.85	52,39,341.57
4	3 <sup>rd</sup> Year	10231.8	3407202.72	18,32,138.85	52,39,341.57
5	4 <sup>th</sup> Year	10231.8	3407202.72	18,32,138.85	52,39,341.57
6	5 <sup>th</sup> Year	10231.8	3407202.72	18,32,138.85	52,39,341.57
Total		47322.3	15758312.58	1,19,32,883.40	2,76,91,195.98
					OR 2,76,91,196.00
(Rupees Two Crore Seventy-Six Lakh Ninety-One Thousand One Hundred Ninety-Six) Only					

  
 Divisional Forest Officer  
 Cuttack Forest Division



Matrix for Watering WII (Diesel Pump set with Borewell) over 1 Ha.

Sl. No.	Common cement No.	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
1	2023-23	51000	54300	81930	81930	81930	81930																497339
2	2023-24	51000	57015	90328	94844	99286	104566	109794															522206
3	2024-25		53550	59866	94844	99386	104566	109794	115284														548316
4	2025-26			56228	67859	99586	104566	109794	115284	121048													575732
5	2026-27				59039	66002	104566	109794	115284	121048	127100												6045196
6	2027-28					61991	69302	109794	115284	121048	127100	133455	140128										634745
7	2028-29						65050	72767	115284	121048	127100	133455	140128	147135									659182
8	2029-30							68345	76406	121048	127100	133455	140128	147135	154142								699805
9	2030-31								71762	80226	127100	133455	140128	147135	154142	162149							734797
10	2031-32									75350	84237	133455	140128	147135	154142	162149	170156						771338

(Rupees Four Lakh Ninety-Seven Thousand Nine Hundred and Eighty-Nine Only)

DIVISION OF DISSEMINATION  
CLIMATE FOR SUSTAINABLE  
DEVELOPMENT



OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION  
AT/PO:- GHATAKULA, DIST:- CUTTACK (ODISHA)

Tel:- 0671-2340443 FAX:- 0671-2347611 Email:- dfo.cuttackforest division@yahoo.com

Memo No 12408 /5F/2016  
Dated, Cuttack the 21<sup>st</sup> th December, 2016

To

The Vice President, Corporate Affairs  
M/s Balasore Alloys Ltd., Bhubaneswar.

Sub :- Proposal for diversion of 64.119 ha. of Sabik kissam forest land as on 25.10.1980 within total mining lease area of 64.463 ha. for Chromite mining in their Kaliapani Chromite mines of M/s Balasore Alloys Ltd. in Jajpur District, Odisha under Cuttack Forest Division.

Ref: - Memo No.23525 dt.14.12.2016 of the Addl. PCCF, Forest Diversion & Nodal Officer, FC Act, O/o the PCCF, Odisha.  
Letter No.8-14/2016-FC dt.18.11.2016 of Govt. of India, Ministry of Environment & Forests and Climate Change, New Delhi.

Sir,

Please refer to the letter cited above of the Govt. of India, MoEF & CC wherein Stage-I (in principle) approval order has been accorded by Govt. of India, MoEF & CC for diversion of balance 64.119 ha. of Sabik kissam forest land for chromite mining in Kaliapani Chromite Mines by M/s Balasore Alloys Ltd. in Jajpur district subject to fulfillment of certain conditions. For compliance of condition No.2 (vi) imposed in the aforesaid Stage-I order, an amount of Rs.2, 39, 79,700/- the approved financial outlay for Compensatory Afforestation scheme over 63.949 ha. of non-forest land in village Rahadpur under Dharماسala Tahasil in Dalijora Range of Cuttack Forest Division is to be deposited by the user agency.


Hence, you are requested to deposit the above funds with the Adhoc body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through **e-payment module** and submit the receipt of the deposition to this office for ready reference.

Yours faithfully,

  
Divisional Forest officer  
Cuttack Forest Division


Memo No \_\_\_\_\_/Date

Copy submitted to the Addl. Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action with reference to his Memo No.23525 dt.14.12.2016.

  
Divisional Forest Officer  
Cuttack Forest Division

Memo No \_\_\_\_\_/Date

Copy submitted to the Regional Chief Conservator of Forests, Angul Circle, Angul for favour of kind information and necessary action with reference to Memo No.23525 dt.14.12.2016 of Addl. PCCF, Forest Diversion & Nodal Officer FC Act, O/o the PCCF, Odisha.

  
Divisional Forest Officer  
Cuttack Forest Division

To

The Vice President (Mine),  
Kaliapani Chromite Mines,  
M/s-Balasore Alloys Ltd., At/P.O.- Kaliapani, Dist-Jajpur.

Sub: - Site specific wildlife conservation plan in respect of Kaliapani Chromite mines of M/s Balasore Alloys Ltd. in Jajpur Dist. Odisha.

X-Sub:- Revision/modification of this office memo no.233 dt.12.01.2015.

Ref: - (i) Memo No.8478 dt.07.11.2014 of PCCF, (Wildlife) & Chief Wildlife Warden, Odisha to your address.  
(ii) This office letter no.233 dt.12.01.2015.  
(iii) Your letter no.1968 dt.20.01.2015.

Sir,

In inviting a reference to the subject cited above it is to inform you that the letter as issued vide this office no.233 dt.12.01.2015 is hereby revised /modified which should be read as follows and act accordingly.

The Site specific wildlife conservation plan in respect of Kaliapani Chromite mines of M/s Balasore Alloys Ltd. has been approved by the PCCF (Wildlife) & Chief Wildlife Warden, Odisha with the financial forecast of Rs.254.18 Lakh (Two Crore Fifty Fore Lakh Eighteen Thousand) only for the following activities.

- (i) For activities to be implemented in project area by Rs.64.82 Lakh the User Agency in Cuttack Forest Division.
- (ii) For activities to be Implemented by DFO, Cuttack Division in project impact area Rs 189.36 Lakh

**Grand Total- Rs 254.18 Lakh**

Hence you are requested to deposit an amount of **Rs 189.36 Lakh (Rupees One Crore Eighty Nine Lakh Thirty Six Thousand)** only through RTGS in either of the following Banks in the CAMPA fund.

1. Corporation Bank, Lodhi Complex Branch, New Delhi-110003  
(RTGS/IFSC No. CORP0000371, SB Account No. SB01025222).
2. Union Bank of India, Sundar Nagar, New Delhi-110003  
(RTGS/IFSC No. UBIN0534498, SB Account No. 344902010105428)

Further, you are requested to note the following conditions for future compliance.

- i. This plan may be revisited after five years and the user agency will give undertaking to contribute towards the revised cost of the conservation plan till the project period, if any.
- ii. The project proponent has to prepare and submit the Conservation Plan for the next ten years of their lease period (balance period of which forest land remains diverted) at least one year before the expiry of the present Conservation Plan and deposit the outlay amount upon its approval. In case of delay, the project operation will be automatically stopped.

Contd...2



Further, as regards the guidance sought by you for para (i) it is to inform you that an undertaking require to be furnished as per the memo no.8478 dt.07.11.2014 of the PCCF, (Wildlife) & Chief Wildlife Warden, Odisha communicated to your address.

Yours faithfully,

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 444 /dt. 21-01-2015.

Copy forwarded to Addl. Pr. Chief Conservator of Forests, Forest Division and Nodal Officer, FC Act, O/o-the PCCF, Odisha for information and necessary action in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 445 /dt. 21-01-2015.

Copy forwarded to Regional Chief Conservator of Forests, Angul Circle, Angul for favour of kind in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 446 /dt. 21-01-2015.

Copy forwarded to PCCF (Wildlife) & Chief Wildlife Warden for information and necessary action in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

AGENCY COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 30-12-2016	
Agency Name.	MS BALASORE ALLOYS LTD
Application No.	MIN119342015626
State Code.	OR
Address.	Balgopalpur,BalasoreBaleshwar
Amount(in Rs)	42915700/-
<p><b>Amount in Words</b> :Four Crore Twenty-Nine Lakh Fifteen Thousand Seven Hundred Rupees Only</p>	
<p><b>NEFT/RTGS to be made as per following details;</b></p>	
Beneficiary Name:	ORRISA CAMPA
Pay to Account No.	CAMPAORMIN119342015626
Bank Name & Address:	Union Bank of India Branch Address : 52, Sunder Nagar New Delhi, Pin 110003
IFSC Code:	UBIN0534498
<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> </ul>	

BANK COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 30-12-2016	
Agency Name.	MS BALASORE ALLOYS LTD
Application No.	MIN119342015626
State Code.	OR
Address:	Balgopalpur,Balasore Baleshwar
Amount(in Rs)	42915700/-
<p><b>Amount in Words</b> :Four Crore Twenty-Nine Lakh Fifteen Thousand Seven Hundred Rupees Only</p>	
<p><b>NEFT/RTGS to be made as per following details;</b></p>	
Beneficiary Name:	ORRISA CAMPA
Pay to Account No.	CAMPAORMIN119342015626
Bank Name & Address:	Union Bank of India Branch Address : 52, Sunder Nagar New Delhi, Pin 110003
IFSC Code:	UBIN0534498
<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> </ul>	

After making successful payment, User Agencies may send a line of confirmation through  
Email: [ubicampa@unionbankofindia.com](mailto:ubicampa@unionbankofindia.com)



# Online Submission & Monitoring of Environmental, Forest and Wildlife Clearances -A Single Window Clearance System

14 Mar 2017 12:17:52 [Logout](#)

User Name: [Swarup]  
State: [Orissa]  
Role : [Applicant]

[My Account](#)[My Proposals Environment Clearance](#)[My Proposals Forest Clearance](#)[My Proposals Wildlife Clearance](#)[Help](#)

## Online payment history made by User Agency under CAMPA

[Help](#)

Sno.	Proposal Detail	Application_No	Date of IN-PRINCIPLE	Amount to be Paid/Amount Paid (in Rs.)	Payment Status	Payment Detail	Demand Letter
1	<a href="#">FP/OR/MIN/11934/2015</a> Kaliapani Chromite Mines, Village:Kaliapani,Tehsil: Sukinda, Dist. Jajpur , Odisha.	MIN119342015626	18 Nov 2016	<b>CA:</b> 23979700/- <b>PCA:</b> 0/- , <b>Safety Zone:</b> 0/- , <b>NPV:</b> 0/- , <b>Other Charges1</b> 0/- <b>Other Charges2</b> 0/- <b>Other Charges3</b> 0/- <b>Total :</b> 42915700/-	Paid	<b>Fund Demand Verified by Nodal Officer On</b> : 30 Dec 2016 <b>Bank Name</b> : Union Bank Of India <b>Mode of Payment</b> : NEFT/RTGS (Challan) <b>Challan Generated On</b> : 30 Dec 2016 <b>Transaction Date</b> : 23 Feb 2017	<a href="#">Demand Letter</a> <a href="#">Generated Challan</a>

### Disclaimer

An innovative e-Governance initiative of MoEFCC for Transparent and Responsive Governance.  
For any clarification, kindly contact at(011-24695407 or may send E-Mail monitoring-fc(at)nic(dot)in.)

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For any Technical support, Please Contact  
Environment,Forest and Climate Change Informatics Division (EFCCID),NIC,New Delhi,  
monitoring-fc(at)nic(dot)in



# BALASORE ALLOYS LIMITED



CIN-L27101OR1984PLC001354

Ref. No: BAL/ACCTS/

Date : 23 FEB 2017

The Chief Manager  
State Bank of India  
SME Branch  
Balasore Industrial Estate Branch  
Balasore

Dear Sir,

## Sub: Payment Through RTGS/NEFT

Kindly arrange to transfer a sum of Rs. 4,29,15,700/- (Rupees Four Crore Twenty Nine Lac Fifteen Thousand Seven Hundred) only through RTGS/NEFT as per the details given below by debiting our CC a/c No. 30352334031 with you towards CA Scheme Charge and Site Specific Wildlife Management Plan.

Amount : Rs. 4,29,15,700/-  
Account No : CAMPAORMIN119342015626  
Name of Party : ORRISA CAMPA  
Bank Name : Union Bank Of India  
52, Sunder Nagar  
New Delhi - 110003  
IFSC/RTGS Code No : UBIN0534498

Necessary bank charges also may please be debited to our above account under intimation to us.

Your kind co-operation in this regard shall be highly appreciated

Thanking you.

Yours faithfully  
For BALASORE ALLOYS LTD.

AUTHORISED SIGNATORIES

Mob: 07381095938  
UTR NO. SBINR.5201222300051075

4,29,15,700 = 00

Cam. 57 = 50

4,29,15,757 = 50

R 3202022300051075

CHF - 724059 (cc)



State Bank of India,  
SME Branch Balasore (7020)  
(Formerly Balasore Industrial Estate Branch)  
Balasore-756001  
Ph.06782-266065, 262572 (F)

Letter No. RMME/SME BLS/2016-17/

Date : 23.02.2017

### TO WHOM-SO-EVER IT MAY CONCERN

Certified that the following Transfer is made in favour of ORISSA CAMPA ,Union Bank Of India ,52,Sunder Nagar ,New Delhi-110003 in A/c No.CAMPAORMINI19342015626,IFSC CODE NO- UBIN0534498 OF Rs.4,29,15,700/- ( UTR No. SBINR 52017022300051075,Dt.23/02/2017)by debiting SBI SME Branch Balasore,Odisha,Cash Credit A/c. No.30352334031 of Balasore Alloys Ltd.

This is for your information.

FOR STATE BANK OF INDIA

  
CHIEF MANAGER/RMME  
मुख्य प्रबंधक/Chief Manager  
समस्त शाखाओं में शाखा प्रमुख-7020  
SME BRANCH BALASORE 7020



OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2340443 FAX:- 0671-2347611 Email:- dfo.cuttack@odisha.gov.in

No. 746/SF (Forest Diversion) 17/2022

Dated, Cuttack the 16 th November, 2022

To

The Managing Director,  
M/s Balasore Alloys Ltd.,  
Module C/1, 1<sup>st</sup> floor Fortune Tower,  
Chandrasekharpur, Bhubaneswar-751023

Sub: - Diversion of 64.119 of Sabik kissam Forest land as on 25.10.1980 within mining lease area of 64.463 ha, for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. in Jajpur district of Odisha.

Ref: - Memo No.22609 dt.07.11.2022 of the Principal Chief Conservator of Forests(Forest Diversion & Nodal Officer, FC Act), O/o the PCCF & HoFF, Bhubaneswar, Odisha.


Sir

In inviting a reference to the memo cited above on the captioned subject, it is to inform you that, the revised financial outlay for Compensatory Afforestation Scheme over an area of 63.949 ha of Non-Forest Government land identified in village Rahadpur under Dharmasala Tahasil pertaining to the above project has been approved by Principal Chief Conservator of Forests(Forest Diversion & Nodal Officer, FC Act), O/o PCCF & HoFF, Bhubaneswar with financial outlay for Rs. 7,84,25,600/- at the wage rate @333/- per Manday with 10 years maintenance.

In view of above, it is requested to make arrangement to deposit the differential amount Rs. 5,44,45,900.00 (Rupees Five Crore Forty-Four Lakh Forty-Five Thousand Nine Hundred) (Rs. 7,84,25,600.00 – Rs.2,39,79,700.00)only with the Adhoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e-payment module & submit the receipt of the deposition to this office for ready reference.

Further, you are once again requested to submit point wise compliance imposed in stage-I approval order by Ministry of Environment, Forest & Climate Change, Govt. of India.

Yours Faithfully

  
Divisional Forest Officer/  
Cuttack Forest Division

Copy for kind information to:

- (i)The Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the PCCF & HoFF, Bhubaneswar, Odisha.
- (ii)The Regional Chief Conservator of Forests, Angul Circle, Angul.

14112022  
D D M M Y Y Y Y

PAY Your Self.

50/935

को या उनके आदेश पर OR ORDER

रुपये RUPEES Five Crore Forty Four Lakh Forty Five Thousand Nine Hundred Forty Seven and Twenty Paise only.

अदा करे ₹ 5,44,45,947.20

FOR BALASORE ALLOYS LTD.

11/11/22  
Authorised Signatory

BALASORE ALLOYS LTD

Please sign above

च. सं.  
A/c No. 40496787300

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

00378769404

CURRENT A/C

PREFIX:  
1516700003

MULTI-CITY CHEQUE Payable at Head Office (Bengaluru) of SBI

\*\*836873\*\* 7560020031

006822\*\* 29

Dear Sir,

Sub: Transfer of fund thru RTGS/NEFT

Please arrange to transfer a sum of **Rs. 5,44,45,900/- (Rupees Five Crore Forty Four Lac Forty Five Thousand Nine)** only through **RTGS/NEFT** as per details given below by debiting our **TRA A/C No. 40496787300** with you towards **Sukunda Mines Govt Payments for Forest Officer.**

Amount : **Rs. 5,44,45,900/-**

Account No : **150825811934893**

Name of Party : **ORRISA CAMPA**

Bank Name : **UNION BANK OF INDIA  
FCS BRANCH, BENGALURU.**

IFSC/RTGS Code No : **UBIN0996335**

Necessary bank charges also may please be debited to our above account under intimation to us.

Your kind co-operation in this regard shall be highly appreciated.

Thanking you.

Yours faithfully  
For Balasore Alloys Ltd.

-----SD-----

Rs. **5,44,45,900.00**  
B/C. RS. 47.20TOTAL RS. **5,44,45,947.20**Authorised Signatories  
Mob: **07381095946**

UTR NO. SBIN..... 52002211515089819

FOR BALASORE ALLOYS LTD. 836873

11/11/22  
Authorised Signatories





Date : 15 Nov 2022  
 Account Number : 00000040496787300  
 Description : CA-REGULAR-PUB-OTH-ALL-INR  
 Name : BALASORE ALLOYS LTD  
 Currency : INR  
 Corporate Address : AT-BALGOPALPUR PO-BALGOPALPUR DIST-BALASORE  
 Baleshwar  
 21-756020

Branch : BALASORE I.E.(07020)

Rate of Interest (% p.a.) : 0.0%

IFS Code : SBIN0007020

Book Balance : 61285664.86

Available Balance : 61285664.86

Hold Value : 0.00

MOD Balance : 0.00

Uncleared Amount : 0.00

Balance as on 15 Nov 2022 : 13,08,87,835.42

**Account Statement from 15 Nov 2022 to 15 Nov 2022**

Txn Date	Value Date	Description	Ref No./Cheque No.	Branch Code	Debit	Credit	Balance
15/11/2022	15/11/2022	CHEQUE BOOK ISSUE CHARGE-38976288	/ 38976288	7020	385.00		13,08,86,950.42
15/11/2022	15/11/2022	CHEQUE BOOK ISSUE CHARGE-38976288	/ 38976288	7020	1,062.00		13,08,85,888.42
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TR-837224	/ 837224	7020	62,422.00		13,08,23,466.42
15/11/2022	15/11/2022	CHQ TRANSFER-RTGS UTR NO: SBINR52022111515041991-836875 ORRISA CAMPA	/ 836875 ORRISA CAMPA	7020	20,15,116.20		12,88,08,350.22
15/11/2022	15/11/2022	CHQ TRANSFER-NEFT UTR NO: SBIN122319571542-836874 ORRISA CAMPA	/ 836874 ORRISA CAMPA	7020	1,02,984.16		12,87,05,366.06
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TRF-836887	/ 836887	7020	39,56,714.00		12,47,48,652.06
15/11/2022	15/11/2022	CHQ TRANSFER-RTGS UTR NO: SBINR52022111515088819-836873 ORRISA CAMPA	/ 836873 ORRISA CAMPA	7020	5,44,45,947.20		7,03,02,704.86
15/11/2022	15/11/2022	CREDIT--	/	7020		5,31,919.00	7,08,34,623.86
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TR-836885	/ 836885	7020	95,48,959.00		6,12,85,664.86

\*\*This is a computer generated statement and does not require a signature.





PLAN SHOWING AN AREA OF 63.949 Ha. OR 158.02 Ac. IN VILLAGE RAHARPUR UNDER DHARMASALA TAHASIL OF JAJPUR DISTRICT FOR COMPENSATORY AFFORSATATION AGAINST FOR LAND OF KALIAPANI CHROMITE MINES OF M/S BALASORE ALLOYES LIMITED.

**निर्णय के लिए नहीं NOT FOR EXPORT**

**OPEN SERIES MAP**

**No. F45U1**  
Scale 1:50,000

**CONVENTIONAL SYMBOLS**

**REFERENCES**

**NOTES**

**PROJECTION INDEX**

**Projection - UTM Datum - WGS 84**

**1:50,000**

**CONTOUR INTERVAL 20 METRES**

**For further details refer to the map series**

**Director**  
Orissa Geo-Spatial Data Centre  
Survey of India  
Survey Bhawan, PO - R R Laboratory  
Bhubaneswar - 751013  
Fax : 0674 - 2304118

**WEBSITE - www.surveyofindia.gov.in**

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**GOVERNMENT OF INDIA COPYRIGHT, 2005**







## OFFICE OF THE TAHASILDAR, DHARMASALA

Tel:-06725-273036 Web:- tdrdharmaasala.in Email:-tdrdharmaasala@gmail.com

Letter No.

3701

/Date.

19.08.2022

From: - Swagat Das, OAS (I) JB  
Tahasildar & Executive Magistrate, Dharmasala

To  
The Division Forest Officer, Cuttack

Sub: **Sanction of alienation proposal in favour of Division Forest Officer, Cuttack**

Sir,

With reference to the subject cited above, I am to say that an area of Ac. 158.02 in village Rahadpur Plot No. 01 Khata No. 235 has been alienated in favour of Govt. of Odisha Forest, Environment & Climate Change Department marfat Divisional Forest Officer, Cuttack for raising Compensatory Afforestation in lieu of equal extent of forest land in the district of Jajpur for which the user agency M/S. Balasore Alloys Ltd for Kaliapani Chromite Mines vide Lease Case No. 01/17. The original RoR has been enclosed herewith for your kind reference.

This is for favour of information & necessary action.

Yours faithfully

Tahasildar, Dharmasala

Memo No. 3702 Date 19.08.2022

Copy submitted to Additional District Magistrate(Rev) Jajpur for favour of kind information.

Tahasildar, Dharmasala





ଖତିୟାନ

ମୌଜା : ରାହାଡ଼ପୁର

ଆନା : ଧର୍ମଶାଳା

ଆନା ନମ୍ବର : 226

ଚଞ୍ଚସିରା : ଧର୍ମଶାଳା

ଚଞ୍ଚସିରା ନମ୍ବର : 226

ଜିଲ୍ଲା : ଯାଜପୁର

ଜମିଦାରଙ୍କ ନାମ ଓ ଖୋସ୍ତା ବା ଖତିୟାନର ଜୁମିକ ନମ୍ବର	ଓଡ଼ିଶା ସରକାର ଖୋସ୍ତା ନଂ 1					
୧) ଖତିୟାନର ଜୁମିକ ନଂ	233/134					
୨) ପ୍ରଜାତ ନାମ, ପିତାଙ୍କ ନାମ, ଜାତି ଓ ବାସସ୍ଥାନ	ଜଙ୍ଗଲ, ପରିବେଶ ଓ ଜଳବାୟୁ ପରିବର୍ତ୍ତନ ବିଭାଗ ଓଡ଼ିଶା ସରକାର ମାର୍ଚ୍ଚିତ ଡିଜିଟାଲ ପରେଷ୍ଟ ଆସିସର, କଟକ					
୩) ସ୍ୱତ୍ୱ	ରକ୍ଷିତ					
୪) ଦେୟ	ଜମିଦାର	ଖତିୟାନ	ସେସ	ନିଷ୍କାର ସେସ ଓ ଅନ୍ୟାନ୍ୟ ସେସ ଯଦି କିଛି ଥାଏ	ମୋଟ	୫) ଜୁମିଦାରଙ୍କର ଖତିୟାନ ବିବରଣୀ
		0.00	0.00	0.00	0.00	
୬) ବିଶେଷ ଅନୁସଙ୍ଗ ଯଦି କିଛି ଥାଏ	Lease Case No- 1/2017 ହୁକୁମ ମୁତାବକ ପୁଟ ନଂ 1 ରକବା ଏ529.75 ସ୍ୱ ଏ 158.0200 ଦି ପୁରାତନ ଖାତା ନଂ 235 ରୁ ।					

BLANK SPACE FOR STAMPING

ଅଭିନ ପ୍ରକାଶନ ତାରିଖ : 16/11/1996

ଖତିୟାନ ଧାର୍ଯ୍ୟ ତାରିଖ:

Amin 19.08.22

Record Keeper  
Dharmasala TahasilTahsildar  
Dharmasala

ରାସ୍ତାର ସ୍ୱତନ୍ତ୍ର ବିକାଶ କେନ୍ଦ୍ର, ଶ୍ରୀରାମ

Dharmasala Tahasil

Dharmasala Tahasil

19/08/2022



ଅଭିଯାନ ସଂଖ୍ୟା : 233/134		ମୌଳ : ପାଟଣପୁର			ପିଲା : ପାଟଣପୁର	
ପ୍ରାଥମିକ ଓ ଉଚ୍ଚ ମାଧ୍ୟମିକ ଶିକ୍ଷା	ପିଲା ଓ ପୁରୁଷ ଶିକ୍ଷା	ପିଲାଙ୍କ ବିଭାଗିତ ବିଭାଗୀୟ ଓ ଶିକ୍ଷା	ପ୍ରାଥମିକ ଓ ଉଚ୍ଚ ମାଧ୍ୟମିକ ଶିକ୍ଷା			ମୋଟ
			ପ୍ରାଥମିକ	ଉଚ୍ଚ ମାଧ୍ୟମିକ	ଉଚ୍ଚ ମାଧ୍ୟମିକ	
୨	୮	୯	୧୦	୧୧	୧୨	୧୨
1/1216	ପାଟଣପୁର	ପିଲାଙ୍କ ପ୍ରାଥମିକ ଶିକ୍ଷା	158020	639485		
1 ପ୍ରାଥମିକ			158020	639485		

ପାଟଣପୁର ସ୍ୱାସ୍ଥ୍ୟ ବିଭାଗ କେନ୍ଦ୍ର, ପାଟଣପୁର

19/08/2022



## GOVERNMENT OF ODISHA

## FOREST, ENVIRONMENT &amp; CLIMATE CHANGE DEPARTMENT

\*\*\*\*\*

**NOTIFICATION**

Bhubaneswar, dated the 07.11.22

No.FE-DIV-FLD-0087-2022-(10F(Cons)-381/2015)- 19893 /FE&CC, In exercise of the powers conferred under Section 33 of the Odisha Forest Act, 1972 (Odisha Act 14 of 1972), the State Government do hereby declare that the following land situated in Village- **Rahadpur** under Dharmasala Tahasil in the District of Jajpur mutated and transferred in favour of Forest, Environment & Climate Change Department for raising Compensatory Afforestation thereon against proposed diversion of 64.119 ha of Sabik Kisam forest land as on 25.10.1980 within total mining lease area of 64,463 ha for chromite mining in their Kaliapani Chromite Mines by M/s Balasore Alloys Ltd. in Jajpur District, Odisha vide Stage-I approval of Government of India, MoEF&CC (FC Division), New Delhi communicated in F. No.8-14/2016-FC, dt.18.11.2016 under Section-2 of the Forest (Conservation) Act, 1980, the limits of which are specified below and the area of which is 63.949 ha (158.02 Ac) shall be Protected Forest with effect from the date of issue of the Notification and shall be known as "**Rahadpur Protected Forest**".

**Forest Block:**

Name of the Protected Forest	:	Rahadpur Protected Forest
Area in Ha	:	63.949
Area in Acres	:	158.02
Name of the Village	:	Rahadpur
Name of the Police Station	:	Dharmasala
Name of the Tahasil	:	Dharmasala
Name of the Sub-Division	:	Jajpur
Name of the District	:	Jajpur





**Land Schedule:**

Village	Khata No.	Plot No.	Kissam	Total area in Ac.	Boundary description			
					North	South	East	West
Rahadpur	233/134	1/1216	Nischanta Parbat	158.02	Dhenkanal District boundary	Plot No. 1	Dankari village Boundary	Dhenkanal District boundary
<b>Total</b>				<b>158.02 Ac or 63.949 ha</b>				

By Order of the Governor



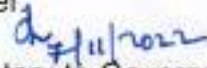
(DR. MONA SHARMA)

Additional Chief Secretary to Government

By e-mail: [deputydirectorpp@rediffmail.com](mailto:deputydirectorpp@rediffmail.com)Memo No. 19894/FE&CC,Date 07.11.22

Copy with soft copy (CD form) forwarded to the Director of Printing, Stationery and Publication, Odisha Cuttack for publication in an extra-ordinary issue of the Odisha Gazette and supply 10 copies of printed notification each to Forest, Environment & Climate Change Department/ Director of Land Records and Surveys, Odisha, Cuttack/ Collector, Jajpur/ Divisional Forest Officer, Cuttack Forest Division/ Tahasildar, Dharmasala Tahasil, Dist.- Jajpur.

2. The Notification is statutory and may be assigned SRO number.

  
 OSD-cum-Special Secretary to Government
Memo No. 19895/FE&CC,Date 07.11.22

Copy forwarded to the Assistant Inspector General of Forests, Govt. of India, Ministry of Environment, Forests and Climate Change, (F.C. Division), Indira Paryavaran Bhawan, Jor Bagh, Aliganj Road, New Delhi-110003/ Deputy Director General of Forests (Central), Govt. of India, MoEF&CC, Integrated Regional Office, A/3, Chandrasekharpur, Bhubaneswar-23 for information and necessary action.

  
 OSD-cum-Special Secretary to Government



Memo No. 19896 /FE&CC,

Date 07. 11. 22

Copy forwarded to the Steel & Mines Department/ Director of Land Records and Survey, Odisha, Cuttack/ RDC (CD), Cuttack/ Collector, Jajpur/ Tahasildar-Dharmasala Tahasil, Dist.-Jajpur for information and necessary action.

*dy 7/11/2022*

OSD-cum-Special Secretary to Government

Memo No. 19897 /FE&CC,

Date 07. 11. 22

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha/ Principal Chief Conservator of Forests (WL) & CWLW, Odisha/ Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer) FC Act, O/o the PCCF, Odisha/ Regional Chief Conservator of Forests, Angul Circle/ Divisional Forest Officer, Cuttack Forest Division for information and necessary action.

*dy 7/11/2022*

OSD-cum-Special Secretary to Government

Memo No. 19898 /FE&CC,

Date 07. 11. 22

Copy forwarded to the Head State Portal, IT Centre, Odisha Secretariat, Bhubaneswar for information and necessary action/ (5 spare copies for G.F).

*dy 7/11/2022*

OSD-cum-Special Secretary to Government

Memo No. 19899 /FE&CC,

Date 07. 11. 22

Copy forwarded to the Under Secretary to Government, Office Establishment Section, FE&CC Department for information and necessary action with reference to the letter No.21646/F&E Dt. 22.11.2016.

*dy 7/11/2022*

OSD-cum-Special Secretary to Government

Memo No. 19900 /FE&CC,

Date 07. 11. 22

Copy forwarded to the M/s Balasore Alloys Ltd., At/ P.O.-Kaliapani, Dist.-Jajpur for information and necessary action.

*dy 7/11/2022*

OSD-cum-Special Secretary to Government



OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION  
GHATAKULA, NUAPADA, CUTTACK-753010

No. 4732 / 5F (Misc)/2015

Dated, Cuttack the 19<sup>th</sup> May, 2015

To

The Vice President (Mines)  
Ispat Sukinda Chromite Mines of M/s Balasore Alloys Ltd.  
At/Po-Kaliapani, Dist-Jajpur.

Sub: - Guidelines regarding prior approval of Central Government under the Forest (Conservation) Act, 1980 for areas falling in the mining leases which were or are recorded as forest in the Government record on or after the day the FC Act came for use of forest land falling in such mining leases for mining purposes, such areas were treated as non-forest.

X-Sub- Payment of NPV for the forest kissam land as on 25.10.1980 and treated as non-forest Hal Settlement records in respect of Chromite Mines of M/s Balasore Alloys Ltd. .

Ref: - (i) Memo No.5417 dt.30.03.2015 of Govt. of Odisha, F&E Deptt.  
(ii) F No.8-78/199-FC(pt.) , GoI, MoEF & CC.  
(iii) Memo No.7031 dt.20.04.2015 of the PCCF, Odisha.  
(iv) Your letter No.BAL/Mines/2024 dt.16.04.2015.

Sir,

In pursuance to the letters cited above on the captioned subject, you are requested to make arrangement for payment of Net Present Value (NPV) in respect of Chromite Mines of M/s Balasore Alloys Ltd as calculated below:-

- |      |   |                  |
|------|---|------------------|
| i)   | Total M.L area – 64.463 ha.   |                  |
| ii)  | Forest area as per Hal Settlement Record which is diverted  |                  |
|      | NIL–NPV amount paid   | NIL              |
| iii) | Forest area as on 25.10.1980 out of the non-forest area   |                  |
|      | (as per report of the Tehsildar, Sukinda vide his Letter No. 2837 dt. 20.04.2014) 23.80 ha. and amount required for |                  |
|      | Payment @ Rs.730000/- (Eco-Value Class –I , canopy density below 0.4 )  | Rs.4,68,06,870/- |

Hence you are requested to make arrangement for payment of the amount of Rs.4,68,06,870/- (Rupees Four crore Sixty eight lakh Six thousand Eight hundred Seventy) only in favour of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through RTGS /NEFT mode in Corporation Bank, Lodhi Complex Branch, New Delhi-110003 (RTGS /IFSC No. CORP0000371, S.B Account No.SB01025222) and submit the receipt in original as a token of evidence to this office for the needful. The above amount require to be deposited within 30 days from issue of this letter positively alongwith an under taking for payment of the differential amount in case of upward rise of the rate of NPV.

Yours faithfully,

  
Divisional Forest Officer  
Cuttack Forest Division

P.T.O.



Memo No 4733 Date 19.05.2015


Copy forwarded to the Addl. Pr.CCF (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar with reference to memo no. 7031 dt.20.04.2015 of the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action.

  
18/5/2015  
Divisional Forest Officer  
Cuttack Forest Division

Memo No 4734 Date 19.05.2015

Copy forwarded to the Regional Chief Conservator of Forests, Angul with reference to memo no. 7031 dt.20.04.2015 the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action.

Copy to N.P.V File

  
18/5/2015  
Divisional Forest Officer  
Cuttack Forest Division



OFFICE OF THE  
DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION  
GHATAKULA, NUAPADA, CUTTACK-753010

Memo No. 8245 / 5F (Misc)/2015


Dated, Cuttack the 26<sup>th</sup> September, 2015.

To

The Addl. Principal Chief Conservator of Forests,  
Forest Diversion and Nodal Officer, FC Act,  
O/O the PCCF, Odisha, Bhubaneswar.

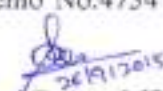
- Sub: - Guidelines regarding prior approval of Central Government under the Forest (Conservation) Act, 1980 for areas falling in the mining leases which were or are recorded as forest in the Government record on or after the day the FC Act came for use of forest land falling in such mining leases for mining purposes, such areas were treated as non-forest.
- X-Sub- Payment of NPV for the forest kissam land as on 25.10.1980 and treated as non-forest Hal Settlement records in respect of Chromite Mines of M/s Balasore Alloys Ltd.
- Ref: - This office Memo No.4733 dt.19.05.2015.

With reference to the above captioned subject, I am to inform you that as per demand raised vide this office Memo No.4732 dt.19.05.2015 the user agency has deposited an amount of **Rs.4,68,06,870/-** (*Rupees Four Crore Sixty Eight lakh Six thousand Eight hundred Seventy*) only being the Net Present Value (NPV) for the forest kissam land as on 25.10.1980 which was treated as non-forest land in Hal settlement through RTGS in favour of Ad-hoc body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) RTGS No.**SBIN52015092320284420** with the Corporation Bank, New Delhi. The RTGS receipt for the above deposited amount is enclosed herewith for favour of kind information and necessary action.

  
26/9/2015  
Divisional Forest Officer,  
Cuttack Forest Division.

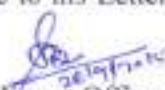
Memo No. 8246 /dt. 26.09.2015

Copy forwarded to the Regional Chief Conservator of Forests, Angul Circle for favour of kind information and necessary action in continuation to this office Memo No.4734 dt. 19.05.2015.

  
26/9/2015  
Divisional Forest Officer  
Cuttack Forest Division

Memo No. 8247 /dt. 26.09.2015

Copy forwarded to the Vice President (Mines) Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. At/Po-Kaliapani, Dist-Jajpur for information with reference to his Letter No.BAL/Mine/2980 dt.21.09.2015.

  
26/9/2015  
Divisional Forest Officer  
Cuttack Forest Division



भारतीय स्टेट बैंक  
State Bank of India

The Banker to Every Indian

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Account Statement for the period 23/9/2015 to 23/9/2015

Account Number	00000030352334031	Description	CC Stocks (C and I)
Name	BALASORE ALLOYS LTD	Currency	INR
Corporate Address	BALGOPALPUR, BALASORE BALASORE, ORISSA - 756020	Branch	BALASORE I.E. (07020)
Rate of Interest (% p.a.)	14.7%	IFS Code	SBIN0007020
Book Balance	-14,73,97,398.02	Available Balance	2,52,02,601.98
Hold Value	0.00	Uncleared Amount	0.00
Drawing Power	17,26,00,000.00	Limit Sanctioned	17,26,00,000.00
Balance as on	-9,25,25,292.02		

Date (Value Date)	Narration	Ref / Cheque No.	Branch Code	Debit	Credit	Balance
23-Sep-15 (23-Sep-2015)	CHQ TRANSFER RTGS SBINR52015092320284420 COMPENSATORY AFFORESTA 552426	552426	7020	4,68,06,926.00		-13,93,32,218.02
23-Sep-15 (23-Sep-2015)	CHQ TRANSFER RTGS SBINR52015092320289376 VALECHA ENGINEERING LT 552473	552473	7020	60,00,056.00		-14,43,32,274.02
23-Sep-15 (23-Sep-2015)	CHQ TRANSFER RTGS SBINR52015092320289928 CREDENCE LOGISTICS LTD 552481	552481	7020	15,00,056.00		-14,58,32,330.02
23-Sep-15 (23-Sep-2015)	CHQ TRANSFER RTGS SBINR52015092320289225 KANDOI TRANSPORT LTD 552514	552514	7020	15,65,068.00		-14,73,97,398.02

Print Back





Fw: Payment Details by Balasore Alloys for Kalinapni Chromite Mine for NPV of 64.119 ha forest land in MI area of 64.463 ha - CAMPA

Sankar Gangopadhyay to: dfo.cuttackforestdivision

09/23/2015 02:49 PM

Cc: Suryakanta Pradhan, Subhramanyu Kund

Sir

Pl find attached the Bank statement copy for NPV payment for our 64.463 ha ML ( paid for 64.119 ha forest land)

Regards

23-Sep-15	CHQ TRANSFER 552426 RTGS SBINR52015092320284420 COMPENSATORY AFFORESTATION	4,68,06,926.00
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State Bank of India(CC 23).pdf

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G-1252/1-18

OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION,  
VI - GHATAKULA, NUAPADA, CUTTACK, 753016  
Tel: 0671-2957611 FAX: - 0671-2347611 Email: dfo.cuttack@odisha.gov.in  
No. 4732/3-CC (Forest Diversion) 17/2022  
Dated, Cuttack, the 29<sup>th</sup> July, 2022.

To: The Authorized Signatory,  
Kaliapani Chromite Mines of M/s Balasore Alloys,  
At/ Po- Kaliapani, Dist-Jajpur

Subj: Diversion of 64.119 of Sabik kissam Forest land as on 25.10.1980 within  
mining lease area of 64.463 ha, for Chromite mining in Kaliapani Chromite  
Mines of M/s Balasore Alloys Ltd. in Jajpur district of Odisha.

Ref: 1. Letter No. F.No.8-14/2016-FC Dt.18.11.2016 of Govt. of India, MoEF &  
CC,  
2 Letter No. 5-3/2011-FC (Vol-I) dt. 06.01.2022 of Govt. of India, MoEF &  
CC,  
3. This Office letter No. 4732 dt.19.05.2015.

Sir,  
In inviting a reference to the letter cited above on the captioned subject, it is to  
inform you that Govt. of India, MoEF & CC vide their letter under reference (2) have revised  
the rates of Net Present Value (NPV) as per order dt.28.03.2008 of Hon'ble Supreme Court in  
Writ Petition (Civil) No. 202 of 1996 in the matter of T.N. Godavarman Thirumalpad vs.  
Union of India. Diversion of 64.119 of Sabik kissam Forest land as on 25.10.1980 within  
mining lease area of 64.463 ha, for Chromite mining in Kaliapani Chromite Mines of M/s  
Balasore Alloys Ltd. in Jajpur district of Odisha had been accorded stage-I approval order  
before 06.01.2017.

In this connection, it is requested to pay the differential amount of Net Present  
Value (NPV) of Forest area proposed to be diverted under this proposal as per the orders of  
Hon'ble Supreme Court of India.

The NPV amount is calculated below:-

- (i) The Forest area proposed for diversion- 64.119 ha
- (ii) Eco- Value Class-I, density of vegetation below 0.4
- (iii) The NPV to be paid @ Rs. 11, 16,900,00/- per Ha. = 64.119 ha. X 11,16,900/-  
= Rs. 7, 16, 14,511.10/-  
Or Rs. 7, 16, 14,511.00/-

**(Rupees Seven Crore Sixteen Lakh Fourteen Thousand Five Hundred Eleven) Only.**

In view of above, it is requested to make arrangement to deposit the balance  
amount of Rs. 2, 48, 07,641.00 (Rupees Two Crore Forty-Eight Lakh Seven Thousand Six  
Hundred Forty One) only (Rs. 7, 16, 14,511.00 - Rs.4, 68, 06,870.00 paid earlier) with the  
Advisory body of Compensatory Afforestation Fund Management & Planning Authority  
(CAMPFA) through e- payment module & submit the receipt of the deposition to this office  
for ready reference.

(P.T.O.)






























Besides, you are requested to make point-wise compliance of all other conditions imposed in Stage-I approval order.

Yours faithfully,

  
Divisional Forest Officer,  
Cuttack Forest Division

Copy submitted for kind information to:

1. The Regional Chief Conservator of Forests, Angul Circle, Angul.
2. The Conservator of Forests (Nodal), O/o- the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.

Sno.	Proposal Detail	Application No	Date of CN- Amount to be Paid/Amount Paid [in PHEM/CPL No.]	Payment Status	Payment Detail	Demand Letter
1	PP/CM/MIN/1934/2015 [./viewreport.aspx?pid=PP/CM/MIN/1934/2015] Kalegaon Chromite Mines, Mhaga-Kalegaon, Tehsil: Suband, Dist: Jajpur, Odisha.	MIN193420158018 Nov 2016	CA: 0/- PCCA: 0/- Safety Zone: 0/- NPU: 2482794/- Total: 2482794/-	0/- Add CA: 0/- CAT: 0/- Add PA: 0/-	<p>  Demand   Verified by   Model officer            On 18 Oct 2017         </p> <p>  Bank Name            Union Bank of India   Mode of Payment            NEFT/RTGS (Challan)   Challan Generated            On 18 Oct 2017   Transaction Date            18 Oct 2017         </p>	<p>  Demand Letter            [./viewreport.aspx?pid=PP/CM/MIN/19342015_User_Fund_Demand_54862.pdf]         </p> <p>  Generated Challan            [./UserAccount/View_Challan.aspx?pid=MIN193420158018]         </p>
2	PP/CM/MIN/1934/2015 [./viewreport.aspx?pid=PP/CM/MIN/1934/2015] Kalegaon Chromite Mines, Mhaga-Kalegaon, Tehsil: Suband, Dist: Jajpur, Odisha.	MIN193420152018 Nov 2016	CA: 0/- PCCA: 0/- Safety Zone: 0/- NPU: 0/- Total: 223920/-	0/- Add CA: 0/- CAT: 0/- Add PA: 0/- CA AGAINST 1.5 TIMES OF SAFETY ZONE: 122900/-	<p>  Demand   Verified by   Model officer            On 18 Mar 2017         </p> <p>  Bank Name            Cooperative Bank   Mode of Payment            NEFT/RTGS (Challan)   Challan Generated            On 18 Mar 2017   Transaction Date            21 Mar 2017         </p>	<p>  Demand Letter            [./viewreport.aspx?pid=PP/CM/MIN/193420152018_DemandLetter_22408.pdf]         </p> <p>  Generated Challan            [./UserAccount/View_Challan.aspx?pid=MIN193420152018]         </p>
3	PP/CM/MIN/1934/2015 [./viewreport.aspx?pid=PP/CM/MIN/1934/2015] Kalegaon Chromite Mines, Mhaga-Kalegaon, Tehsil: Suband, Dist: Jajpur, Odisha.	MIN193420156018 Nov 2016	CA: 2097500/- PCCA: 0/- Safety Zone: 0/- NPU: 0/- Total: 4291500/-	0/- Add CA: 0/- CAT: 0/- Add PA: 0/- Site Specific Conservation 100000/- Plan 1	<p>  Demand   Verified by   Model officer            On 30 Dec 2016         </p> <p>  Bank Name            Union Bank of India   Mode of Payment            NEFT/RTGS (Challan)   Challan Generated            On 30 Dec 2016   Transaction Date            23 Feb 2017         </p>	<p>  Demand Letter            [./viewreport.aspx?pid=PP/CM/MIN/193420156018_DemandLetter_22408.pdf]         </p> <p>  Generated Challan            [./UserAccount/View_Challan.aspx?pid=MIN193420156018]         </p>



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(HTTPS://WWW.MYGOV.IN/)



(HTTP://MEITY.GOV.IN/)



(HTTPS://DATA.GOV.IN/)

(HTTP://WWW.PMININDIA.GOV.IN/EN/)



(HTTP://WWW.MIC.IN/)



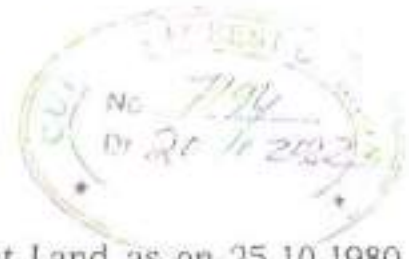




ST/TOR/1984/PLC/001354

Date: 19.10.2022

17/10/2022  
19.10.2022  
The Divisional Forest Officer  
Cuttack Forest Division  
Cuttack



\* Sub: Diversion of 64.119 Ha of Sabik Kissam Forest Land as on 25.10.1980 within mining lease of 64.463 Ha, for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. in Jajpur district of Odisha.  
- **Regarding payment of differential amount of NPV.**

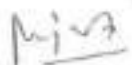
Ref: Your good office letter dated 2<sup>nd</sup> July 2022.

Sir,

With reference the above subject we have deposited the differential NPV of amount of Rs 2,48,07,641.00/- (Rupees Two Crore Forty-Eight Lakhs Seven thousand Six hundred Forty-One) only through RTGS no. UBIN0996335 on dated 18<sup>th</sup> October 2022. The detailed is attached herewith for your kind reference.

This is for your kind information please.

Thanking You  
Yours faithfully

  
Authorized Signatory  
For Balasore Alloys Limited.

SHRI

FOR DEPOSIT ONLY  
DATE: 11/11/2011  
AMOUNT: 2,48,07,641.00  
RTGS/NEFT A/C NO.

Dear Sir

Sub: Transfer of fund from RTGS/NEFT

Please allow to be transferred a sum of Rs.2,48,07,641/- (Rupees Two Crore Forty Eight Lac Seven Thousand Six Hundred Forty One) only through RTGS/NEFT to your debit account below by debiting the TRA A/C No. 40496787300 and credited Sukunda Mines Govt Payments.

Amount : Rs. 2,48,07,641/-  
Account No : 150825811934893  
Name of Party : ORRISA CAMPA  
Bank Name : SBI, BRANCH OF BILGA  
FCS BRANCH, BENGALURU

IFSC/RTGS Code No : UBIN0996335

Respective bank charges and may please be debited to our account under the name of...

Thank you for your kind attention and cooperation.

Yours faithfully,

For: Balaram Allays Ltd.

Rs. 2,48,07,641.00  
BIC: SBIN

TOTAL RS. 2,48,07,688.20

Mobile: 02181095246

UTP & SON



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# BALASORE ALLOYS LIMITED

CIN L27101OR1984PL C001354



Proposal for diversion 64.119 ha. of Sabik KISSAM forest land as on 25.10.1980 present within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

Annexure-II

## Undertaking

We do hereby undertake to pay the additional amount of NPV for the forest kissam land as on 25.10.1980 and treated as non-forest Hal settlement records in respect of Kaliapani Chromite Mines of M/s Balasore Alloys Ltd, if so determined, as per the final decision of the Hon'ble Supreme Court of India.

COUNTERSIGNED

Divisional Forest Officer  
Cuttack Forest Division



For Balasore Alloys Ltd

Nagendra Kumar Akula  
Managing Director

46

46

**F.No.8-14/2016-FC**  
Government of India  
Ministry of Environment, Forests & Climate Change  
(Forest Conservation Division)

\*\*\*\*

Indira Paryavaran Bhawan,  
Jor Bagh Road, Aliganj,  
New Delhi: 110003,  
**Dated: 25<sup>th</sup> July, 2017**

To,  
**The Principal Secretary (Forests),**  
Government of Odisha,  
Bhubaneswar.

**Sub: Diversion of 64.119 ha. of Sabik Kisam forest land as on 25.10.1980 within total mining lease area of 64.463 ha. for Chromite mining in their Kaliapani Chromite Mines by M/s Balasore Alloys Ltd. in Jajpur District, Odisha**

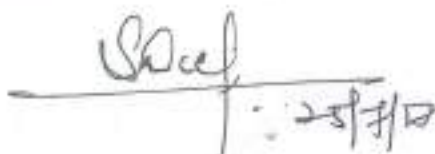
Sir,

I am directed to refer to the State Government's letter No. 10F(Cons)381/2015-20394/F&E dated 05.11.2016 requesting to modify the following conditions no. (ix) & (x) of para 2 of In-principal approval/Stage-I Clearance dated 18.11.2016 for penal charges in connection with diversion of 64.119 ha. of Sabik Kisam forest land as on 25.10.1980 within total mining lease area of 64.463 ha. for Chromite mining in their Kaliapani Chromite Mines by M/s Balasore Alloys Ltd. in Jajpur District, Odisha:

- (i) The User agency shall pay NPV at the rate 20 per cent for each year since the violation of Forest (Conservation) Act 1980 has commenced.
- (ii) User agency shall raise penal CA equivalent to the land utilised in violation of the provision of Forest (Conservation) Act 1980.

2. After careful examination of the proposal of the State Government for modification of above stated conditions of Stage-I approval dated 18.11.2016 and on the basis of the recommendations of the Forest Advisory Committee held on 25.04.2017 and acceptance of the same by the competent authority, the approval of the Central Government under the Forest (Conservation) Act, 1980 is hereby granted for deletion of condition No. (ix) & (x) of para 2 and inclusion of the following conditions in Stage-I Clearance letter of even no. dated 18.11.2016 for penal charges :

- (i) A committee under that chairmanship of Sh Tejender Singh PCCF, Regional Office, Bhopal with members sh Kanwarjeet singh APPCCF RO Nagpur, Sh Reddy APCCP RO Chennai, Sh Sanjay Deshmukh Member FAC and Sh Deepak kumar sinha IG (FC) MoEF&CC is formed to decide a policy frame work and quantum of penalty to be imposed in deliberate and unavoidable violations of provisions of FCA 1980.
- (ii) Since the User agency has violated the provisions of FC Act and Rules made thereof, the quantum of penalty shall be imposed and realised as per the recommendations of the committee, constituted for this purpose by the FAC and accepted by the competent authority in the ministry.


  
25/7/17



3. The remaining conditions as stipulated in Stage-I Clearance letter of even no. dated 18.11.2016 remain the same.

After receipt of compliance report on fulfilment of the conditions mentioned at para (2) and (3) above, the proposal shall be considered for final approval under Section-2 of the Forest (Conservation) Act, 1980.

Yours faithfully,

  
(Sandeep Sharma) 25/31

Assistant Inspector General of Forests (FC)

**Copy to:-**

1. The Principal Chief Conservator of Forests Government of Odisha, Bhubaneswar.
2. The Nodal Officer, Office of the PCCF, Government of Odisha, Bhubaneswar.
3. The Addl. PCCF (Central), Regional Office, Bhubaneswar.
4. User Agency
5. Monitoring Cell, FC Division, MoEF&CC, New Delhi
6. Guard file.

  
(Sandeep Sharma) 25/31

Assistant Inspector General of Forests (FC)

F. No. 11-42/2017 - FC  
Government of India  
Ministry of Environment, Forests and Climate Change  
(Forest Conservation Division)

Indira Paryaravan Bhawan,  
Aliganj, Jorbhagh Road,  
New Delhi - 110003

Dated: 29<sup>th</sup> January, 2018

To  
The Principal Secretary (forests)  
All States/Union Territory Governments

**Sub: Activities which constitutes violations of provisions of Forest Conservation Act 1980 and rules made thereof and guidelines issued in this behalf, by user agencies and quantum of penalty to be imposed -regarding common guideline to be followed by FAC/REC while considering the proposal under FC Act 1980.**

Sir,


I am directed to invite your kind attention that the Forest Advisory Committee (FAC), constituted under Section 3 of the Forest Conservation Act 1980, while discussing proposals submitted under FC Act 1980, in its meeting held on 25.04.2017 noted with great concern somewhat inconsistent approach adopted by different Regional Empowered Committees of MoEF&CC and FAC itself in case of violations committed by user agencies of forest land in contravention of the provisions of Forest Conservation Act, 1980 and consequently recommending monetary penalty such as penal CA and penal NPV etc in addition to mandatory compensatory levies. It was observed that the decisions to classify certain activities undertaken by the user agencies as violation and quantum of penalty imposed therein for the similar offence are different on different occasions due to absence of common guidelines.

2. It was, therefore, decided by the FAC to constitute a Committee of APCCF (central) Regional Offices, MoEF&CC and a member of the FAC to examine various aspects and different situations and activities which will constitute violations of provisions rules and guidelines issued under Forest Conservation act 1980 and suggest penalty in various situations, if the activities are treated as violation and thus as offence so as to dissuade the user agencies from committing such violations in future and compensate the loss caused due to such violation.

3. Accordingly on the recommendation of FAC, the following Committee was constituted vide this Ministry's letter of even number dated 05.06.2017.

- |   |          |
|---|----------|
| i. Dr. Tejinder Singh, APCCF, Regional Office, Bhopal;    | Chairman |
| ii. Dr. Sanjay Deshmukh, Member, FAC;                     | Member   |
| iii. Sh. Kanwarjit Singh, APCCF, Regional Office, Nagpur; | Member   |
| iv. Sh. MRG Reddy, APCCF, Regional Office, Chennai;       | Member   |

4. The Committee submitted its recommendations to the Ministry on 15.05.2017 and the same was discussed in the Ministry and the final recommendation of the Committee was placed before the Forest Advisory Committee in its meeting dated 26.10.2017. The recommendation of the Committee was accepted and recommended by the FAC. The recommendations of FAC was placed before the competent authority in the Ministry. The

  
29.1.18



competent authority has accepted the report of the Committee on the recommendation of the FAC.

3. Accordingly, this Ministry has decided to adopt following guidelines while imposing penalty in various cases, on the recommendations of FAC/REC after due deliberation in its meeting, for use of forest land for non-forestry purposes in violation of the provisions of the Forest (Conservation) Act 1980, Rules made thereof and guidelines issued from time to time to implement FC Act and Rules:

**A. In cases where the proposal under FC Act has not been submitted and forest land is diverted without FC:**

- i. Diversion of forest land for non-forestry purposes without the prior approval of the competent authority in the state will be dealt under the provisions of Indian Forest Act 1927 or State Forest Acts or any other State act dealing with such land as the case may be. The land in question will not be considered as diverted under FCA 1980 and the status of land shall continue to be Forest.
- ii. If the permission for use of forest land for non-forestry purposes have been granted by the state authority without the prior approval of the central government under section 2 of the Forest Conservation Act 1980 then action under section 3A and /or 3B of FC Act, as may be applicable shall be taken against the authority causing the diversion. A report with full details of violation shall be submitted by the State Government on the recommendation of the Forest Department of the State to the Ministry of Environment, Forests & Climate Change Government of India, New Delhi and formal enquiry shall be conducted by the Regional Office of the MoEF & CC.

**B. In cases where the proposal under FC Act is under consideration and forest land is diverted before grant of FC:**

- i. The penalty for violation shall be equal to NPV of forest land per hectare for each year of violation from the date of actual diversion as reported by the inspecting officer with maximum up to five (5) times the NPV plus 12 percent simple interest till the deposits is made.
- ii. In case of public utility projects of the government the penalty shall be 20 % of the penalty proposed in para (i) above.
- iii. State government will initiate disciplinary action against the official concerned for not being able to prevent use of forest land for non-forestry purpose without prior approval of Government of India.
- iv. User agency responsible for violation shall be prosecuted under local Act of the state for unauthorized use of forest land without the permission of state authority.

**C. Violation /non-compliance of any conditions imposed while granting approval under FC Act:**

In such cases the penalty will be imposed on the recommendation of the APCCF Regional office in whose jurisdiction the alleged violation has occurred. The violation will be reported to REC/FAC and the committee will give time to comply the conditions within stipulated time:


- i. In case the offence is proved then the penalty shall be imposed for violation committed over forest area without approval equal to twice the normal NPV.
  - ii. In case of public utility projects of the government the penalty shall be 20 % of the penalty proposed in para (i) above.
- 00.00 — . . .

**D. Violation on account of change of land use in the approved mining plan:**

- i. No penalty is to be imposed for such violation if the change is as per change in mining plan duly approved by competent authority. User agency shall intimate all approvals related to change in mining plan to the regional office within one month of approval. In other cases, change in land use plan shall not be carried out without prior approval of MoEF&CC under the provisions of FCA 1980.
  - ii. Any violation of change in land use (other than mining operations), penalty of two times the NPV plus simple interest 12 per cent from the date of actual violation committed will be imposed.
  - iii. In case the approved change in mining plan is not intimated within one month of the approval the same fine shall be imposed as in para D(ii).
- E. In cases where 'Forest land' has been changed to 'non forest land' in government records:** If the violation is not attributable to the user agency, no penalty shall be imposed.

This issue with the approval of the Competent Authority.


Yours faithfully,

  
(Sandeep Sharma) 29.1.18

Assistant Inspector General of Forests

**Copy to:**

1. Prime Minister's Office
2. Secretary, Ministry of Mines/Coal/Steel/Power, Government of India.
3. Principal Chief Conservator of Forests, All States/UTs.
4. Nodal Officers, the Forest (Conservation) Act, 1980 All States/UTs.
5. All Regional Offices, Ministry of Environment, Forests and Climate Change.
6. Joint Secretary in-charge, Impact Assessment Division, MoEF&CC, New Delhi.
7. PS to Hon'ble Minister of Environment, Forests and Climate Change and Minister of State for Environment, Forests and Climate Change.
8. Chairman, State Environment Impact Assessment Authority, All States/UTs.
9. Member Secretary, State Environment Impact Assessment Authority, All States/UTs.
10. All Directors/Assistant Inspector General of Forest in Forest Conservation Division of MoEF&CC.
11. All Advisors/Directors/Dy Directors in Impact Assessment Division of MoEF&CC.
12. Sr. Director (Technical), NIC, MoEF&CC with a request to place a copy of the letter on website of this Ministry.
13. PPS to the Secretary for Environment, Forests and Climate Change, New Delhi.
14. PPS to the Director General of Forests & Special Secretary, MoEF&CC, Gol.
15. PPS to the Addl. Director General of Forests (Forest Conservation), MoEF&CC, Gol.
16. PPS to the Inspector General of Forests (Forest Conservation), MoEF&CC, Gol.
17. Guard File.

  
(Sandeep Sharma) 29.1.18

Assistant Inspector General of Forests






Proposal for diversion 64.119 ha. of SabikKissam forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

### Undertaking

We do hereby undertake that, M/s Balasore Alloys Ltd undertakes to abide by the decision to be taken by the committee under that chairmanship of Sh Tejnder Singh PCCF, Regional Office, Bhopal with members Sh Kanwarjeet Singh APCCF RO Nagpur, Sh Reddy APCCP RO Chennai, Sh Sanjay Desmukh Member EAC and Sh Deepak Kumar Sinha IG(FC) MoEF& CC is formed to decided a policy frame work and quantum of penalty to be imposed in deliberate and unavoidable violations of provision of FCA 1980.

For Balasore Alloys Ltd



  
Nagendra Kumar Akula  
Managing Director

COUNTERSIGNED

  
Divisional Forest Officer  
Odisha Forest Division



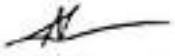
**Proposal for diversion 64.119 ha. of SabikKissam forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district ,Odisha**

**Undertaking**

We do hereby undertake that,M/s Balasore Alloys Ltd undertakes to to pay penal CA as recommended by FAC violated the provision of FC Act and Rules made thereof, the quantum of penalty shall be imposed and realized as per the recommendations of the committee, constituted for this purpose by FAC and accepted by the competent authority in the ministry.



For Balasore Alloys Ltd

  
Nagendra Kumar Akula  
Managing Director



## **Scheme**

**For**

***“Fencing, Protection and Regeneration of the safety zone  
area [7.5 meters strip] along the outer boundary of  
Mining Lease ”***

***in respect of***

**Kaliapani Chromite Mines of M/s Balasore Alloys Ltd**

**in Cuttack Forest Division, Cuttack, Odisha.**

**in compliance to**

**“Condition No –2. xi of Stage-I Forest Clearance Order No.F.No.8-14/2016-FC dated 18th November,2016” Of Govt. Of India, Ministry of Environment , Forest & Climate Change, New Delhi.**

**for**

**Diversion of 64.119 Hects Forest land**

**within 64.463 Ha ML Area.**



**Scheme for fencing, Protection and regeneration of the safety zone area of 0.17 ha along the outer Boundary of Kaliapani Chromite Mines of M/s Balasore alloys Ltd**

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## **01. Introduction**

The Mining activities at Kaliapani Chromite Mines are being carried out as per Mining Plan/Schemes duly approved by IBM and as per guidelines laid down by Directorate General Mines Safety (DGMS). The total Lease hold Area has been broken up during 16 (Sixteen) years of operation. In view of MoEF & CC guidelines issued on 10.3.2015 and subsequent Circular dated 30.3.2015 issued by State Govt and order from DFO Cuttack vide Letter No 9570/5F/2014 dt. 12.12.2014, the involvement of Forest Land is 64.119 ha and 0.344 ha as Non- Forest Land declared as Road as per land record as on 25.10.1980. Further the mines is located within cluster of mines such as lease of Sukinda Chromite Mines of M/s IMFA on the East, Jindal Chromite Mines of M/s Jindal Stainless Ltd (JSL) on west & in south Ispat Sukinda Chromite Mine of M/s Balasore Alloys Ltd . As per Para 4.7 of guidelines of F/C Act-1980, the Safety Zone of 7.5 m width all around the Lease boundaries should be maintained. At Para 4.7 (ii) " which inter alia says that in case of cluster of mines, the outer boundaries of cluster should be taken as Safety Zone & its maintenance cost has to be borne proportionately by the Lessee operating the Cluster." In North side of the Lease area with tree growth is maintained as safety zone with 7.5 m width and total area comes to 0.17 ha except limited area used for entry to the ML area.

Kaliapani Chromite Mines of M/s Balasore Alloys Ltd has maintained safety zone over an area of 0.17 ha. As per the condition 2.xi **fencing, protection and regeneration** of safety zone area to be done within three years at the project cost.

## **02. Location Of the Area**

In North side of Mining Lease, safety zone of 0.17 ha has been maintained except limited area utilized for the purpose of entry to the ML area.

Location of the safety zone area is shown in the Map attached as Plate-1.

## **03. Objective of the Scheme:**

This scheme aims to comply the condition no 2.xi stipulated in the stage-I approval letter no: F.No.8-14/2016-FC dated 18th November, 2016". ***Fencing, Protection and Regeneration of the safety zone area [7.5 meter strip all along the outer boundary of the mining lease area as recommended by the State Government] shall be done within three years at the project cost from the issue of Stage-II clearance.*** In addition, following benefits likely to be achieved

- To provide a green belt around the mines area in order to minimize the pollution of air and absorb the dust particles generating from the mines.
- To provide adequate tree cover, in order to compensate the loss of forest land due to mining activities.
- To conserve the soil and moisture of the area and provide healthy climatic condition.
- To maintain balanced Eco-System.
- To make best use of the land by planting valuable species and enhance the aesthetic value of the land.
- To minimise the effects of pollution & provide a healthy environment.

## **04. Component Of Scheme:**



**Scheme for fencing, Protection and regeneration of the safety zone area of 0.17 ha along the outer Boundary of Kaliapani Chromite Mines of M/s Balasore alloys Ltd**

- Block plantation at regular spacing of 2.5m X 2.5 m with plantation model of 1600 plants/ Ha.
- Regeneration cleaning activities like high stump rectification, climber cutting, pruning, de-weeding etc. to improve the natural regeneration already exists in the area.
- Soil & moisture conservation measures to improve the moisture retention of the forest land including drainage with treatment etc. The works proposed are contour bunding, gully plugging and staggered trenching.

**0.5 Choice of Species:**

The selection of species as per site specific and beneficial to the forest and to local people is as under.

**List of Species**

1. Acacia (Acacia auriculiformis)
2. Siris (Albizia lebbek)
3. Fasl (Anogeissus acuminates)
4. Sunari (Cassia fistula)
5. Dalbergia latifolia
6. Neem (Azadirachta indica)
7. Gambhar (Gmelina arborea)
8. Teak (Tectona grandis)
9. Piasal (Pterocarpus marsupium)
10. Bamboo (Dendrocalamus marsupium)
11. Tentuli (Lamarindus indica)
12. Amla (Embellica officinalis)

**06. Project Area**

The safety zone area is demarcated by cemented pillars along with bar bade wires and comprising of species like Acasia, Simarua, Chhatiana, Debadaru, Boula, Neem, Radhachuda, Krushnachuda, Sishoo and Chakunda. Further it is required to maintain the existing plantation for achieving 0.4 density for better canopy cover over the area.

**07. Plantation Model**

Plantation shall be taken up in block plantation model. Fencing, Protection, Regeneration of the safety zone area should be in mode of 1600 plants per ha adopting 25m X 2.5m spacing in 3 rows.

2.5m X 2.5m = 1600 plants/ Ha

Pitting – 30 cm X 30 cm X 30 cm

**08. Pre-Planting Operation:**

One year old seedling shall be procured from nearby Nurseries for plantation. 10 % of excess seedling to be procured for replacement.

Seedling requirement @ 1600/ha:  $0.17 \times 1600 = 272$  nos

Seedling to procure (10% excess) =  $272 + 27 = 299$  nos or 300 nos

**09. Planting Operation :**

**Scheme for fencing, Protection and regeneration of the safety zone area of 0.17 ha along the outer Boundary of Kaliapani Chromite Mines of M/s Balasore alloys Ltd**

Plantation shall be done after first regular shower of Monsoon and to be completed within a week. Basal dose of NPK/DAP fertilizer @30gm per plant to be given. Casualty replacement is to be taken up during 1<sup>st</sup> year of plantation just after one month of planting. 10 % casualty replacement is also suggested during 2<sup>nd</sup> year.

**10. Post Planting Operations:**

**10.a. Weeding, Soil Working and manuring:**

This the most vital for success of any planting programme. It is proposed to carryout weeding during first year. Preferably strip weeding along the contour shall be taken up. One time weeding and soil working is to be done.

In second and third year of plantation, application of 30gms of NPK/DAP is to be added to the soil per plant at the time of soil working during rainy season .

**10.b Application of Insecticide:**

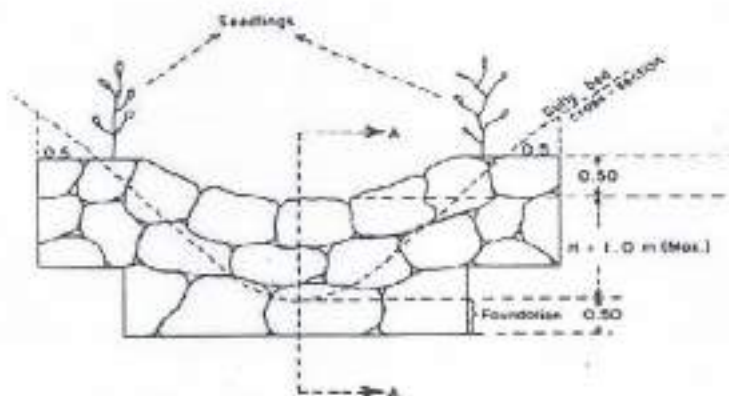
In order to prevent infection of planted seedlings with diseases due to influx of insects and pest into the area, it is required to apply insecticide "Phorate" at the time of planting. Foliar spraying of insecticide may be done if necessary.

**10.c Fire Line tracing and maintenance:**

In order to protect the planted seedling from ground fire, tracing of fire lines to be carried out. Boundary of the plantation and internal lines need to be scrapped in interval of 2mtr during February and March. The cut back material and dry leaves along with fire lines should be separated and dumped in pits outside the plantation area.

**10.d Soil & Moisture Conservation:**

In order to enhance the soil moisture, check runoff and arrest silt in the flow water, it is required to have staggered trenches (2m length 0.5 m width × 0.5 m depth) along the contour. Line to line interval to be kept at 4m or as required considering the degree of slope of the land. Wherever necessary loose boulder check dams shall be constructed to retain water.



**11. Inspection & Monitoring:**



**Scheme for fencing, Protection and regeneration of the safety zone area of 0.17 ha along the  
outer Boundary of Kaliapani Chromite Mines of M/s Balasore alloys Ltd**

The inspection and monitoring to be done by the Divisional Forest Officer, Cuttack Forest Division.

**12. Financial Forecast:**

The cost estimate for ~~Aided Natural Regeneration (ANR)~~ <sup>Block</sup> plantation @ ~~800~~ <sup>1600</sup> nos plants per hectare( as per Annexure-1 ) is Rs 85,248/- (Eight Five Thousand Two Hundred Forty Eight Only) with 10 year maintenance.

As such the total estimate for the plantation for 0.17 ha proposed area will be  $0.17 \times 85,248 =$  Rs 14,492.16 = **14,493/ (Fourteen Thousand Four hundred Ninety Three Only)**

**For BALASORE ALLOYS LTD.**

  
**Authorised Signatory**  
M/s Balasore Alloys Ltd

  
**Range Officer**  
Sukinda Forest Range

  
**Divisional Forest Officer**  
Cuttack Forest Division  
Divisional Forest Officer  
Cuttack Forest Division

  
**Asst. Conservator of Forests**  
Cuttack Forest Division.

*Technically approved.*

  
**Regional**  
**Chief Conservator of Forests,**  
Angul Circle.

**Scheme for fencing, Protection and regeneration of the safety zone area of 0.17 ha along the  
outer Boundary of Kaliapani Chromite Mines of M/s Balasore alloys Ltd**

**Annexure-1**

<b>Cost Norm For Block Plantation @1600 plants per Hectare</b>					
<b>Wage Rate Rs.200/- Per day</b>					
<b>Sl. No.</b>	<b>Items of Work</b>	<b>Preferable Period of Execution</b>	<b>Person days</b>	<b>Labour cost @ Rs.200/- per day</b>	<b>Material cost (Rs.)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>0th year (advance work) pre-planting operation</b>					
1	Survey, demarcation & pillar posting	Nov/D ec	2	400	0
2	Site preparation	Nov/D ec	8	1600	0
3	Alignment & stacking of pits	Jan/Fe b	2	400	0
4	Digging of pits (30 cm cube)	Feb/M ar	40	8000	0
5	Nursery cost (6 months old seedling) part @Rs.9.45/- seedling (Rs.6067 in 0th year + Rs.2.78 in 1st year) for 1760 seedlings (1600+160)	Jan- Mar	44	8800	2939
	<b>Total</b>		<b>96</b>	<b>19200</b>	<b>2939</b>
<b>1st year/Planting Year</b>					
6	Nursery cost (6 months old seedling) balance @ Rs.2.78 for 1760 seedlings	Apr-Jul	21.5	4300	593
7	Carriage & planting, Casualty Replacement and application of insecticides, manure etc.	Jul/Aug	21	4200	0
8	Cost of insecticide and fertilizer (a) NPK @ 50 gms/plant as basal dose=80kg @ Rs.24/- per kg=Rs.1920.00 (b) Urea @ 70gms/plant in two subsequent doses @ Rs.6/- per kg = Rs.672.00 (c) Granular insecticide (Themet, Forate etc.) @ 5gms/plant @ Rs.80/- per kg = Rs.640.00		0	0	3232
9	1st weeding (complete weeding)	Aug/Sep	7	1400	0
10	Manuring Urea 35 gm	Aug/Sep	5	1000	0
11	2nd weeding (complete weeding)	Sep/Oct	5	1000	
12	Soil working (50 cms.Radius around plants) & manuring Urea 35gms per plant	Sep/Oct	7	1400	0
13	Soil conservation measures in the form of staggered trenches of size 2m X 0.5 m X 0.5 m @n 30 nos per ha	Sep/Oct	10	2000	0
14	Fire line tracing & inspection path	Feb/Ma r	3	600	0



**Scheme for fencing, Protection and regeneration of the safety zone area of 0.17 ha along the outer Boundary of Kaliapani Chromite Mines of M/s Balasore alloys Ltd**

15	Watch & Ward	Aug-Mar	7	1400	0
	<b>Total</b>		<b>86.5</b>	<b>17300</b>	<b>3825</b>
<b>2nd Year Maintenance</b>					
16	Casualty Replacement (10%) with Nursery cost	Jul/Aug	4	800	1512
17	Weeding (complete weeding)	Sep/Oct	6	1200	
18	Cost of fertilizer (NPK @ 70 gms/plant) (Rs.24/- per kg & Insecticide @ 5gms/plant for 160 plants 800 gms @ Rs.80/- per kg)		0	0	2752
19	Soil working (50 cms.Radius around plants)	Oct/Nov	7	1400	0
20	Application of insecticide and fertilizer	Sep/Oct	4	800	0
21	Fire line tracing (2 m.wide fire line over 400 m long	Feb/Mar	3	600	0
22	Watch & Ward	Apr-Mar	15	3000	0
	<b>Total</b>		<b>39</b>	<b>7800</b>	<b>4264</b>
<b>3rd Year Maintenance</b>					
23	Weeding and application of fertilizer	Aug/Sep	7	1400	0
24	Cost of fertilizer (NPK @ 50gms/plant) @ Rs.24/- per kg		0	0	1920
25	Soil working (50 cms.Radius around plants) & application of fertilizer	Oct/Nov	7	1400	0
26	Fire line tracing (2 m.wide fire line over 400 m length) & cultural operation	Feb/Mar	3	600	0
27	Watch & Ward	Apr-Mar	15	3000	0
	<b>Total</b>		<b>32</b>	<b>6400</b>	<b>1920</b>
<b>4th Year Maintenance</b>					
28	Fire line tracing (2 m.wide fire line over 400 m length) & cultural operation	Feb/Mar	3	600	0
29	Watch & Ward	Apr-Mar	15	3000	0
	<b>Total</b>		<b>18</b>	<b>3600</b>	<b>0</b>
<b>5th Year Maintenance</b>					
30	Fire line tracing (2 m.wide fire line over 400 m length) & cultural operation	Feb/Mar	3	600	0
31	Watch & Ward	Apr-Mar	15	3000	0
	<b>Total</b>		<b>18</b>	<b>3600</b>	<b>0</b>
<b>6th Year Maintenance</b>					
32	Fire line tracing (2 m.wide fire line over 400 m length) & cultural operation	Feb/Mar	3	600	0

**Scheme for fencing, Protection and regeneration of the safety zone area of 0.17 ha along the outer Boundary of Kaliapani Chromite Mines of M/s Balasore alloys Ltd**

33	Watch & Ward	Apr-Mar	15	3000	0
	<b>Total</b>		<b>18</b>	<b>3600</b>	<b>0</b>
<b>7th Year Maintenance</b>					
34	Fire line tracing (2 m.wide fire line over 400 m length) & cultural operation	Feb/Mar	3	600	0
35	Watch & Ward	Apr-Mar	15	3000	0
	<b>Total</b>		<b>18</b>	<b>3600</b>	<b>0</b>
<b>8th Year Maintenance</b>					
36	Fire line tracing (2 m.wide fire line over 400 m length) & cultural operation	Feb/Mar	3	600	0
37	Watch & Ward	Apr-Mar	15	3000	0
	<b>Total</b>		<b>18</b>	<b>3600</b>	<b>0</b>
<b>9th Year Maintenance</b>					
38	Fire line tracing (2 m.wide fire line over 400 m length) & cultural operation	Feb/Mar	3	600	0
39	Watch & Ward	Apr-Mar	15	3000	0
	<b>Total</b>		<b>18</b>	<b>3600</b>	<b>0</b>
<b>Grand Total</b>			<b>361.5</b>	<b>72300</b>	<b>12948</b>
<b>(0th+1st+2nd+3rd+4th+5th+6th+7th+8th+9th)</b>					

**ABSTRACT OF FINANCIAL OUTLAY (per ha.)**

Sl. No.	Year	No. person days	Labour cost @ Rs.200/- per day	Material	Total cost (Rs.)
1	0th year	96	19200	2939	22139
2	1st year	86.5	17300	3825	21125
3	2nd year	39	7800	4264	12064
4	3rd year	32	6400	1920	8320
5	4th year	18	3600	0	3600
6	5th year	18	3600	0	3600
7	6th year	18	3600	0	3600
8	7th year	18	3600	0	3600
9	8th year	18	3600	0	3600
10	9th year	18	3600	0	3600
<b>Total</b>		<b>361.5</b>	<b>72300</b>	<b>12948</b>	<b>85248</b>

**For BALASORE ALLOYS LTD.**

**Authorised Signatory**  
M/s Balasore Alloys Ltd

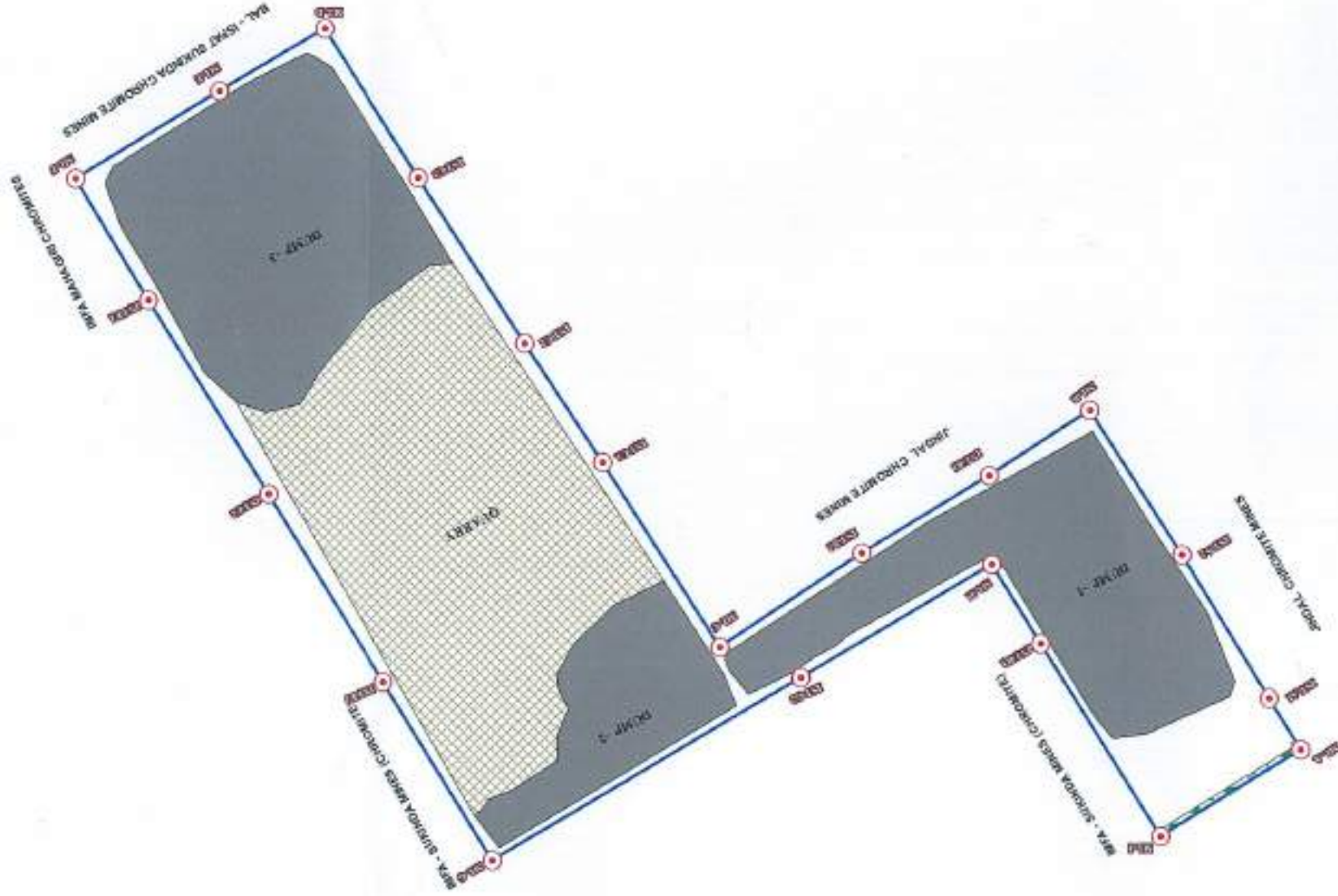
**Range Officer**  
Sukinda Forest Range

**Asst. Conservator of Forests**  
Cuttack Forest Division.

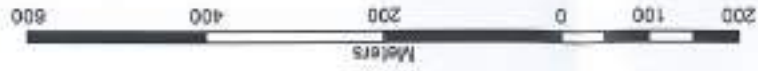
**Divisional Forest Officer**  
Cuttack Forest Division



# MAP SHOWING SAFETY ZONE AREA (0.17 Ha.) KALIAPANI CHROMITE MINES OF M/S. BALASORE ALLOYS LTD.



SCALE - 1:8,000



LEGEND	
ML PILLARS	⊙
ML BOUNDARY	—
SAFETY ZONE	⬢
DUMP	■
QUARRY	▨
ROAD	—

For BALASORE ALLOYS LTD.  
Authorized Signatory

Asst. Conservator of Forests  
Cutback Forest Division.

Divisional Forest Officer  
Cutback Forest Division.

PROJECT PROPONENT

Survey Conducted by

DIGITAL CARTOGRAPHY AND SERVICES (DCS) PVT.LTD.

Lot 1, Bhagwati Sankar,  
GCP Canal Road, Bhubaneswar-75

Office of the Regional Chief Conservator of Forests, Angul

Memo No. 424 /5F.FC-I(MG)24/2014. Dated- 25.1.17

To

The Divisional Forest Officer,  
Cuttack Division

Sub:- Proposal for diversion of 64.119 ha of Sabik kism forest land as on 25.10.1980 within total mining lease area of 64.463 ha for Chromite mining in their Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. approval of schemes.

Ref:- Your Memo No.226 and 228 both dated 07.01.2017.

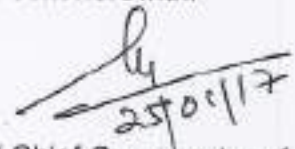
The following schemes submitted vide your memo under reference are technically approved by the undersigned with the condition that the User Agency shall periodically furnish the progress ( physical and financial) to you on quarterly basis and you are required to monitor the implementation of various works under the schemes periodically.

- (1) Scheme for "Fencing, protection and regeneration of safety zone area (7.5 mtrs strip) along the outer boundary of mining lease) as per Condition No.xi of Govt. of India, MoEF & CC..
- (2) Scheme for "Desilting of village Pond with Ancillary Activities to mitigate the impact of siltation for the ponds located within 5.0 km radius" as per condition No.xxix of Govt. of India, MoEF & CC.

The above schemes in four sets each are returned herewith for further action.

Besides the above, in the scheme for gap planting and soil moisture conservation activities as per condition No.xxvii of MoEF & CC, you have reported that there is no forest area present within 100 mtr radial distance from the outer perimeter of mining lease to undertake gap planting and soil & moisture conservation activities. Hence, the scheme submitted by you is sent herewith.

Encl: As above

  
25/01/17  
Regional Chief Conservator of Forests


Angul



Memo No. 405 /Dated 25.1.17


Copy along with the above approved schemes forwarded to the Addl. Principal Chief Conservator of Forests (Forest Diversion and Nodal Officer, FC Act), O/o Principal Chief Conservator of Forests, Odisha for favour of information and necessary action with reference to Memo No. 227 and 229 both dated 7.1.2017 of the DFO, Cuttack Division to his address. ✓

Encl: As above

  
25/01/17  
Regional Chief Conservator of Forests  
Angul

Memo No. 406 /Dated 28.1.17

Copy forwarded to the Managing Director, M/s Balasore Alloys Ltd, Bhubaneswar for information.

  
25/01/17  
Regional Chief Conservator of Forests  
Angul

**Scheme**

**For**

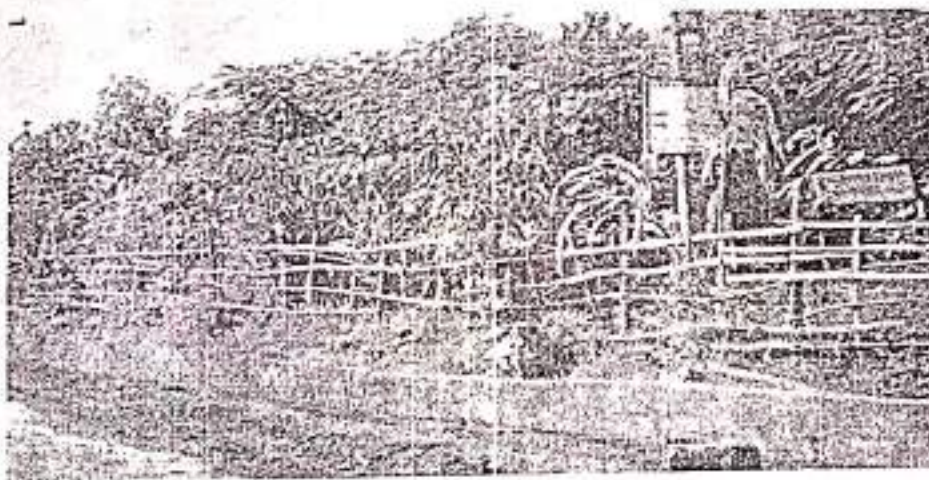
***"Fencing, Protection and Regeneration of the safety zone  
area [7.5 meters strip] along the outer boundary of  
Mining Lease "***

***in respect of***

**Kaliapani Chromite Mines of M/s Balasore Alloys Ltd  
in Cuttack Forest Division, Cuttack, Odisha.  
in compliance to**

**"Condition No -2. xi of Stage-I Forest Clearance Order No.F.No.8-  
14/2016-FC dated 18th November,2016" Of Govt. Of India, Ministry  
of Environment , Forest & Climate Change, New Delhi.  
for**

**Diversion of 64.119 Hects Forest land  
within 64.463 Ha ML Area.**





**Scheme for fencing, Protection and regeneration of the safety zone area of 0.17 ha along the outer Boundary of Kaliapani Chromite Mines of M/s Balasore alloys Ltd.**

**01. Introduction:**

The Mining activities at Kaliapani Chromite Mines are being carried out as per Mining Plan/Schemes duly approved by IBM and as per guidelines laid down by Directorate General Mines Safety (DGMS). The total Lease hold Area has been broken up during 16 (Sixteen) years of operation. In view of MoEF & CC guidelines issued on 10.3.2015 and subsequent Circular dated 30.3.2015 issued by State Govt and order from DFO Cuttack vide Letter No 9570/5F/2014 dt. 12.12.2014, the involvement of Forest Land is 64.119 ha and 0.344 ha as Non- Forest Land declared as Road as per land record as on 25.10.1980. Further the mines is located within cluster of mines such as lease of Sukinda Chromite Mines of M/s IMFA on the East, Jindal Chromite Mines of M/s Jindal Stainless Ltd (JSL) on west & in south Ispat Sukinda Chromite Mine of M/s Balasore Alloys Ltd . As per Para 4.7 of guidelines of F/C Act-1980, the Safety Zone of 7.5 m width all around the Lease boundaries should be maintained. At Para 4.7 (ii) " which inter alia says that in case of cluster of mines, the outer boundaries of cluster should be taken as Safety Zone & its maintenance cost has to be borne proportionately by the Lessee operating the Cluster." In North side of the Lease area with tree growth is maintained as safety zone with 7.5 m width and total area comes to 0.17 ha except limited area used for entry to the ML area.

**02. Location Of the Area:**

In North side of Mining Lease, safety zone of 0.17 ha has been maintained except limited area utilized for the purpose of entry to the ML. area.

Location of the safety zone area is shown in the Map attached as Plate-1.

**03. Objective of the Scheme:**

This scheme aims to comply the condition no 2.xi stipulated in the stage-I approval letter no: F.No.8-14/2016-FC dated 18th November, 2016". *"Fencing, Protection and Regeneration of the safety zone area [7.5 meter strip all along the outer boundary of the mining lease area as recommended by the State Government] shall be done within three years at the project cost from the issue of Stage-II clearance."* In addition, following benefits likely to be achieved.

- To provide a green belt around the mines area in order to minimize the pollution of air and absorb the dust particles generating from the mines.

- To provide adequate tree cover, in order to compensate the loss of forest land due to mining activities.
- To conserve the soil and moisture of the area and provide healthy climatic condition.
- To maintain balanced Eco-System.
- To make best use of the land by planting valuable species and enhance the aesthetic value of the land.
- To minimise the effects of pollution & provide a healthy environment.

## 1. CLIMATIC CONDITION

The area comes under the category of Tropical climate with heavy warm, humid summer and mild winter. Three prominent seasons are experienced i.e. the hot season from March to June, Rainy Season from July to October and Cold Season from November to February. The severity of the summer is generally felt due to lot of mining activities in the area. The temperature ranges from 45° C in May to 6° C during January.

## 2. RAIN FALL

Average rain fall of the area varies from 1200 mm. to 1650 mm.

## 3. NATURAL VEGETATION

The type of forest seen mostly peninsular low level Sal forests and moist mixed Deciduous forest. Sal, Piasal, Kurum form the top storey of forest cover. The middle canopy is composed of *Carryea arborea*, *Lannaecia coromondelica*, *Embellica officinalis*, *Cassia fistula*, *Terminalia bellerica*, *Cassia tomentosa*. Ground floral indicated by *Imperata aurinlinasea*, *Anthistiria gigntia* and *Paula* etc.

## 6. SOIL TYPE

The soil in this area is having colour from brown to reddish brown and texture is clayey to sandy clay. The soil having pH value is from 6.5 to 8.0, contain Nitrate Nitrogen as (N) Lbs/Acer from 9 to 45, percentage of organic matter varies from 0.8 to 1.29 and phosphorus having nil to traces.

Due to exposure, the soil is mostly degraded. At places boulder refractory rocks are also visible.



## **7. CHOICE OF SPECIES**

### **Safety Zone**

1. Siris (*Albizzia lebbek*)
2. Fasi (*Anogeissus acuminate*)
3. Sunari (*Cassia fistula*)
4. Dalbergia latifolia.
5. Neem (*Azadirachta indica*)
6. Gambhar (*Gmelina arborea*)
7. Piasal (*Pterocarpus marsupium*)
8. Bamboo (*Dendrocalamus strictus*)
9. Tentuli (*Tamarindus indica*)
10. Anla (*Emblica officinalis*)

## **8. PLANTATION MODEL**

Plantation shall be taken up in the mode of block plantation. Fencing, Protection, regeneration of the safety zone area should be high densities, mode of 1000 plants per Ha. adopting 2.5 m X 2.5 m spacing.

2.5 m x 2.5 m. = 1000 plants/Ha.

Pitting- 45 cm. x 45 cm. x 45 cm.

Planting will be done in 4 rows along the Mining Lease Boundary line.

## **9. NAME OF IMPLEMENTING AGENCY**

Since the work will be done within mining lease area, it will be executed by the User Agency.

## **10. MAIN OBJECTIVE OF THE SCHEME**

- I. To provide a green belt around the mines area in order to minimize the pollution of air and absorb the dust particles generating from the mines.

- II. To provide adequate tree cover of the area in order to compensate the loss of forest land and forest cover due to mining activities.
- III. To provide gainful employment to the tribal/rural people.
- IV. To conserve the soil and moisture of the area and to provide healthy climatic condition.
- V. To maintain balance Eco-System.

#### 11. FINANCIAL OUTLAY:

The total financial outlay for proposed plantation over 0.17 ha of Safety Zone area comes to Rs.1, 32,718.00 (Rupees One Lakh Thirty-Two Thousand Seven Hundred Eighteen) only as shown in Annexure-1.

  
Divisional Forest Officer  
District Forest Division



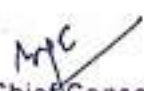
**Total Project Cost for Plantation scheme of Safety Zone area over 0.17 ha in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd.**

Sl No.	Item of Work	Estimated cost in (Rs.)
1	Block Plantation (1000 Plants/ Ha.) over 0.17 Ha @2,47,719/Ha	Rs.42,112.23
2	Soil Moisture Conservation cost over 0.17 Ha @35,634/Ha	Rs.6,057.78
3	Watering Model-II (Diesel Pump set Fitted with Bore well) over 0.17 Ha @4,97,339/Ha	Rs.84,547.63
	Grand Total	Rs.1,32,717.64 Or Rs.1,32,718.00

**(Rupees One Lakh Thirty-Two Thousand Seven Hundred Eighteen) Only**

  
**DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION**

*Approved for Rs. 1,32,718/-*

  
**Regional Chief Conservator  
of Forests, Angul Circle.**

**BASE COST NORM FOR AFFORESTATION (AR PLANTATION) @ 1000 PLANTS PER HECTARE**

1. MODEL	BLOCK
2. NO. OF PLANTS PER HA	1,000
3. TOTAL AREA TO BE PLANTED (in HA)	0.1
4. SPACING TO BE ADOPTED	2.5M X 2.5M
5. TOTAL NOS. OF PLANTS TO BE PLANTED	100
6. Wage Rate (Per MP)	111.00

Sl. No.	Item of Works	Period of execution	Man-days	Labour Cost @	Material Cost	Total in Rs.
1	2	3	4	5	6	7
<b>Pre-Planting Operation (0<sup>th</sup> Year)</b>						
1	Survey, Demarcation and Pillar Posting	Nov/Dec	2	666.00	0	666.00
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	333.00	1.00	433.00
3	Site preparation (Cleaning & removal of debris)	Nov/Dec	12	3,996.00	0	3,996.00
4	Creation of 4.00 mt wide Inspection Path	Feb/Mar	1	333.00	0	333.00
5	Alignment and stacking of pits	Feb/Mar	1	333.00	0	333.00
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard & gravelly soil	Feb/Mar	40	13,320.00	0	13,320.00
7	Construction of Temporary Labour Shed, Drinking water facility and First Aid etc.	Jan/Mar	0	0.00	350.00	3,500.00
<b>Total-</b>			<b>57</b>	<b>18,981.00</b>	<b>3,600.00</b>	<b>22,581.00</b>

**1st Year/ Planting Year**

1	Refilling of pits by altering the dugout soil of the pits, application of Organic compounds CDM, FYM & mixing the same properly.	Jun/July	7.5	2,497.50	5,000.00	7,497.50
2	Transportation of 18 months old polypot seedlings in hired truck/ tractor from the Permanent/ Mega nursery to planting site including loading & unloading. (Average lead of 10 Rkm) & stacking the seedlings @ Rs.6/- per Seedling. (1100 nos.)	July/Aug	0	0.00	6,600.00	6,600.00
3	Watering the polypot seedlings at planting site	July/Aug	2	666.00	0.00	666.00
4	Conveyance of polypot seedlings on head load from the stacking site to individual dug out pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & pressing the soil properly around the planted seedlings.	July/Aug	22.5	7,492.50	0.00	7,492.50
5	<u>Cost of Fertilizer &amp; Insecticide:-</u> (a) NPK / Bio-fertilizer @50 gms/ plant as basal dose = 50 kg @ Rs.30/- per kg = Rs1500.00 (b) Urea/ Vermicompost/ Mo Khana/ any other fertilizer in two subsequent doses @ Rs.750.00 (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 5 kg @ Rs 150/- per kg = Rs 750.00	July/Aug	0	0.00	3,000.00	3,000.00



Sl. No.	Items of Works	Period of execution	Mandays	Labour Cost @	Material Cost	Total in Rs.
1	2	3	4	5	6	7
6	Casualty Replacement @ 10% (100 nos.)	July/Aug	2.5	832.50	0.00	832.50
7	1st Weeding & Manuring	Aug/Sept	12	3,996.00	0.00	3,996.00
8	2nd Weeding, Soil working (1mt. Diameter around the plants) and Manuring	Oct/Nov	15	4,995.00	0.00	4,995.00
9	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
10	Watch & Ward including watering as per requirement.	Aug-Mar	12	3,996.00	0.00	3,996.00
	<b>Total:-</b>		<b>76.5</b>	<b>25474.5</b>	<b>14600</b>	<b>40,074.50</b>
<b>2nd Year Maintenance</b>						
1	Transportation of 100 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs.6/- per seedling.	Jul	0	0.00	600.00	600.00
2	Casualty Replacement @ 10%	Jul	2.5	832.50	0.00	832.50
3	<b>Cost of Fertilizer &amp; Insecticide:-</b> (a) Cost of Insecticide/ Bio-pesticide @ 5 gms/ plant = 0.5 kg @ Rs.150/- per kg = Rs.75/- (b) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer @ Rs.2800/-	Aug/Sept	0	0.00	2,875.00	2,875.00
4	Weeding (Complete weeding), Manuring & Soil working (1mt. Diameter around the plants).	Sept/Oct	15	4,995.00	0.00	4,995.00
5	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
6	Watch & Ward including watering as per requirement.	Apr-Mar	18	5,994.00	0.00	5,994.00
7	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.				1,000.00	1,000.00
	<b>Total:-</b>		<b>38.5</b>	<b>12820.5</b>	<b>4,475.00</b>	<b>17295.5</b>
<b>3rd Year Maintenance</b>						
1	Cost of fertilizer (Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer).	Sept/Oct	0	0.00	2,800.00	2,800.00
2	Weeding, Manuring & Soil working (1mt. Diameter around the plants).	Sept/Oct	15	4,995.00	0.00	4,995.00
3	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
4	Watch & Ward including watering as per requirement.	Apr-Mar	18	5,994.00	0.00	5,994.00
5	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr-Mar			1,000.00	1,000.00
	<b>Total:-</b>		<b>36</b>	<b>11,988.00</b>	<b>3,800.00</b>	<b>15,788.00</b>

Sl. No.	Item of Works	Period of execution	Mandays	Labour Cost @	Material Cost	Total in Rs.
1	2	3	4	5	6	7
<b>4th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>5th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>6th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Pruning of branches, Singling out of multiple shoots	Jan/Mar	3	999.00	0.00	999.00
3	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>24</b>	<b>7,992.00</b>	<b>0</b>	<b>7,992.00</b>
<b>7th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>8th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>9th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>10th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>



TOTAL COST FOR 1 HA.							
SL. No.	Year	No. person days	Labour Cost @ Rs.333/-	Material Cost (Rs.)	Monitoring Evaluation, Learning, Documentation and other Contingency (5%) of (4+5)	Cost of Seedlings @ Rs.53,048/- per seedlings	Total Cost (Rs.)
1	0th year	57	18981	3600	973	0	23,554.00
2	1st year	76.5	25474.5	14600	1918.5	58353.46	1,00,346.46
3	2nd year	38.5	12820.5	4475	821.5	5304.86	23,421.86
4	3rd year	36	11988	3800	749	0	16,537.00
5	4th year	21	6993	0	326	0	7,319.00
6	5th year	21	6993	0	326	0	7,319.00
7	6th year	24	7992	0	373	0	8,365.00
8	7th year	21	6993	0	326	0	7,319.00
9	8th year	21	6993	0	326	0	7,319.00
10	9th year	21	6993	0	326	0	7,319.00
11	10th year	21	6993	0	326	0	7,319.00
Total:-		358	1,19,214.00	26,475.00	6,791.00	63,658.32	2,16,138.32

TOTAL PROJECT COST FOR 0.17 HA.							
Sl. No.	Year	No. Mandays	Labour Cost @ Rs.333/-	Material Cost (Rs.)	MELD & Other Contingency (5%) of (4+5)	Cost of Seedlings @ Rs.53,048/- per seedlings	Total Cost (Rs.)
1	0th year	9.69	3226.77	612.00	165.41	0	4,004.18
2	1st year	13.01	4330.67	2482.00	326.15	9920.09	17,058.91
3	2nd year	6.55	2179.49	760.75	139.66	901.83	3,981.73
4	3rd year	6.12	2037.96	646	127.33	0	2,811.29
5	4th year	3.57	1188.81	0	55.42	0	1,244.23
6	5th year	3.57	1188.81	0	55.42	0	1,244.23
7	6th year	4.08	1358.64	0	63.41	0	1,422.05
8	7th year	3.57	1188.81	0	55.42	0	1,244.23
9	8th year	3.57	1188.81	0	55.42	0	1,244.23
10	9th year	3.57	1188.81	0	55.42	0	1,244.23
11	10th year	3.57	1188.81	0	55.42	0	1,244.23
Grand Total:-		60.86	20,266.39	4,500.75	1,154.48	10,821.91	36,743.53
OR		36,744.00					
		(Rupees Thirty-Six Thousand Seven Hundred Forty-Four) Only					

Matrix for Model-I A Conventional CA Plantation (AR) 1000 plants

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVII I	XIX	XX	XXI	Total Cost (10 Years)
Base Norm	23554	23554	23422	16537	7319	7319	7319	8365	7319	7319	7319	7319											
1 2022-23	23554	23554	25823	19144	8896	9341	10299	11210	10299	10813	11354	11922											247719
2 2023-24		24732	110632	27114	20101	9341	9808	11770	10813	11354	11922	12518											260105
3 2024-25			25968	116164	28469	21106	9808	10299	12359	11354	11922	12518	13144										273111
4 2025-26				27267	121972	29893	22161	10299	10813	12977	11922	12518	13144	13801									286766
5 2026-27					28630	128070	31388	23269	10813	11354	13626	12518	13144	13801	14491								301105
6 2027-28						30062	32957	32957	24433	11354	11922	14307	13144	13801	14491	15216							316160
7 2028-29							31565	141198	34605	25654	11922	12518	15022	13801	14491	15216	15976						331968
8 2029-30							33143	148257	36335	26937	12518	13144	15773	13801	14491	15216	15976	16775					348566
9 2030-31									34800	38152	28284	13144	13801	13801	16562	15216	15976	16775	17614				365994
10 2031-32										36540	163454	40059	29698	13801	14491	17390	15976	16775	17614	18495			384294

(Rupees Two Lakh Forty-Seven Thousand Seven Hundred Nineteen) Only



DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION



# SMC Works Model-C

Cost Norms for creation of Afforestation with stabilization of Soil & Conservation of Moisture  
(1000 Plants/ Ha).

Sl. No.	Items of work	Preferable Period of Execution	Total Cost (Rs.)
<b>0<sup>th</sup> Year (Pre-Planting Operation)</b>			
1	Nil		0
<b>1<sup>st</sup> Year</b>			
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Dyke & WHS as per the slope & site requirement on LS.	Apr/Sept	20,215.00
<b>2<sup>nd</sup> Year</b>			
3	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>3<sup>rd</sup> Year</b>			
4	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>4<sup>th</sup> Year</b>			
5	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>5<sup>th</sup> Year</b>			
6	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>Total</b>			<b>32,343.00</b>

## Abstract for 1 ha.

Sl. No.	Year	No. person days	Labour Cost @ Rs.333/- per day	Material Cost	Total Cost (Rs)
1	0 <sup>th</sup> Year	0	0.00	0.00	0.00
2	1 <sup>st</sup> Year	0	0.00	20,215.00	20,215.00
3	2 <sup>nd</sup> Year	0	0.00	3,032.00	3,032.00
4	3 <sup>rd</sup> Year	0	0.00	3,032.00	3,032.00
5	4 <sup>th</sup> Year	0	0.00	3,032.00	3,032.00
6	5 <sup>th</sup> Year	0	0.00	3,032.00	3,032.00
<b>Total</b>		<b>0</b>	<b>0.00</b>	<b>32,343.00</b>	<b>32,343.00</b>

## Abstract for 0.17 ha.

Sl. No.	Year	No. person days	Labour Cost @ Rs.333/- per day	Material Cost	Total Cost (Rs)
1	0 <sup>th</sup> Year	0	0.00	0.00	0.00
2	1 <sup>st</sup> Year	0	0.00	3436.55	3,436.55
3	2 <sup>nd</sup> Year	0	0.00	515.44	515.44
4	3 <sup>rd</sup> Year	0	0.00	515.44	515.44
5	4 <sup>th</sup> Year	0	0.00	515.44	515.44
6	5 <sup>th</sup> Year	0	0.00	515.44	515.44
Total		0	0.00	5498.31	5,498.31
OR					5,498.00
(Rupees Five Thousand Four Hundred Ninety-Eight)only					

  
 Divisional Forest Officer  
 Chitwan Forest Division



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(Rupees Thirty-Five Thousand Six Hundred Thirty-Four) Only

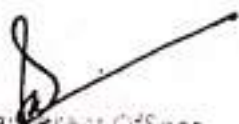
  
DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION

Water Model-W-II		
Water provision to Plantation		
Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wage Rate @ 333/-		
Year of Installation (0 <sup>th</sup> Year)		
1	Cost of Bore well	1,50,000.00
2	Cost of Diesel pump Set 5 HP	60,000.00
3	Diesel pump set & accessories like	30,000.00
4	Water Storage Tanks/ Flexible pipes	15,000.00
	<b>Total</b>	<b>2,55,000.00</b>
Cost of Water per Plant (2,55,000/5000)=Rs.51/-		51,000.00
Cost of Water per Ha.=Rs.51,000/-		
1 <sup>st</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 5 Month=100 MDx333=	33,300.00
	<b>Total</b>	<b>54,300.00</b>
2 <sup>nd</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>
3 <sup>rd</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>
4 <sup>th</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>
5 <sup>th</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>



Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.333/- per day	Material Cost	Total cost (Rs.)
1	0 <sup>th</sup> Year	0	0.00	51,000.00	51,000.00
2	1 <sup>st</sup> Year	100	33,300.00	21,000.00	54,300.00
3	2 <sup>nd</sup> Year	160	53,280.00	28,650.00	81,930.00
4	3 <sup>rd</sup> Year	160	53,280.00	28,650.00	81,930.00
5	4 <sup>th</sup> Year	160	53,280.00	28,650.00	81,930.00
6	5 <sup>th</sup> Year	160	53,280.00	28,650.00	81,930.00
Total		740	2,46,420.00	1,86,600.00	4,33,020.00

Abstract for 0.17 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.333/- per day	Material Cost	Total cost (Rs.)
1	0 <sup>th</sup> Year	0.0	0.00	8,670.00	8,670.00
2	1 <sup>st</sup> Year	17.0	5661.00	3,570.00	9,231.00
3	2 <sup>nd</sup> Year	27.2	9057.60	4,870.50	13,928.10
4	3 <sup>rd</sup> Year	27.2	9057.60	4,870.50	13,928.10
5	4 <sup>th</sup> Year	27.2	9057.60	4,870.50	13,928.10
6	5 <sup>th</sup> Year	27.2	9057.60	4,870.50	13,928.10
Total		125.8	41891.40	31,722.00	73,613.40
OR					73,613.00
(Rupees Seventy-Three Thousand Six Hundred Thirteen )Only					

  
 Divisional Forest Officer  
 Cuttack Forest Division

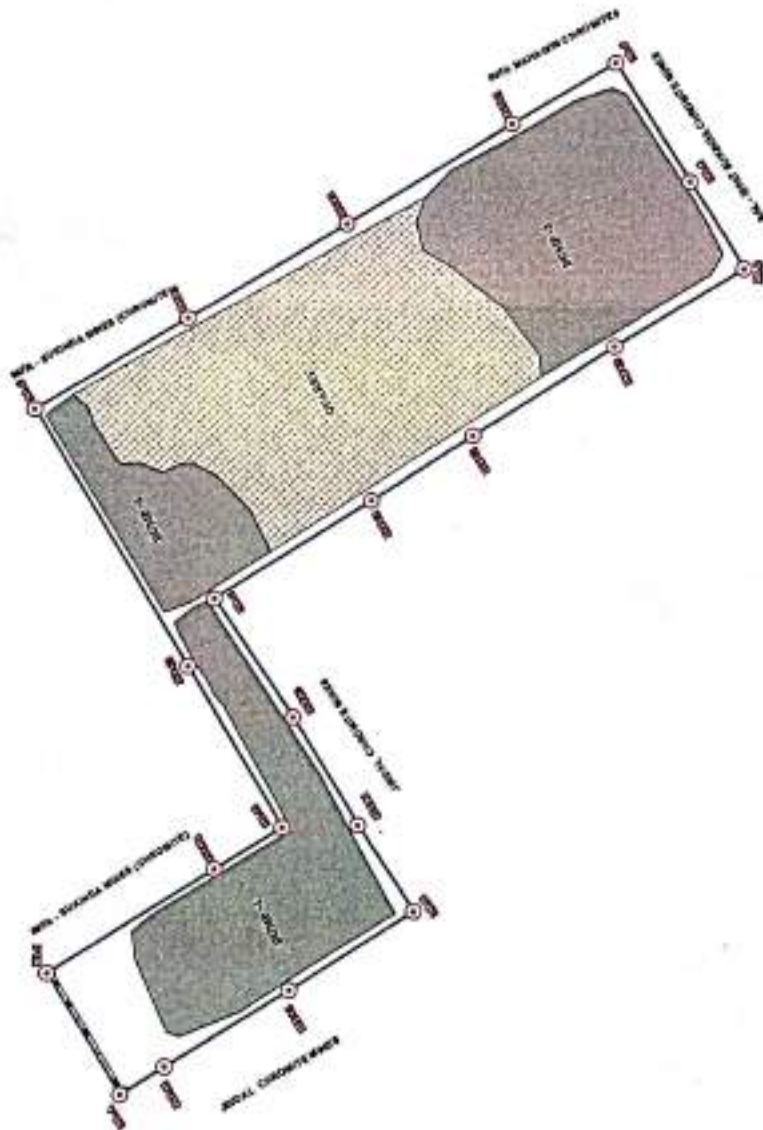
Sl No.	Comment cement Year
I	Base Norm
II	81930
III	81930
IV	81930
V	81930
VI	81930
VII	
VIII	
IX	
X	
XI	
XII	
XIII	
XIV	
XV	
XVI	
XVII	
XVIII	
XIX	
XX	
XXI	
Total Cost (10 Years)	

(Rupees Four Lakh Ninety-Seven Thousand Three Hundred Thirty-Nine) Only	162216
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DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION



MAP SHOWING SAFETY ZONE AREA (0.17 Ha.)  
KALIAPANI CHROMITE MINES OF M/S. BALASORE ALLOYS LTD.



SCALE - 1:10,000



LEGEND	
①	M.L. PILLARS
	M.L. BOUNDARY
	SAFETY ZONE
	DUMP
	QUARRY
	ROAD

For BALASORE ALLOYS LTD.

Authorised Signatory

Asst. Conservator of Forests  
Chhattisgarh Forest Division

*[Handwritten signature]*  
Asst. Conservator of Forests  
Chhattisgarh Forest Division

PROJECT PROPOSED

Survey Conducted by

DIGITAL CARTOGRAPHY AND SERVICES (DCS) PVT. LTD.

101/102, 1st Floor, Sector-10, Gurgaon  
Gurgaon, Haryana-122001

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OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION  
GHATAKULA, NUAPADA, MADHUPATNA, CUTTACK-753010  
 E-mail ld-dfo.cuttackforestdivision@yahoo.com, Fax-0671-2347611

No 1220 /5F

Dated, Cuttack the 16 th February, 2017

To

The Vice President, Corporate Affaires  
 M/s Balasore Alloys Ltd., Bhubaneswar.

Sub :-

Proposal for diversion of 64.119 ha. of Sabik kissam forest land as on 25.10.1980 within total mining lease area of 64.463 ha. for Chromite mining in their Kaliapani Chromite mines of M/s Balasore Alloys Ltd. in Jajpur District, Odisha under Cuttack Forest Division.

Ref: -

Memo No.474 dt.28.01.2017 of the RCCF, Angul.

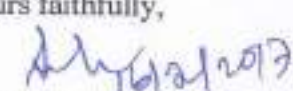
Sir,

Please refer to the letter cited above of the Govt. of India, MoEF & CC wherein Stage-I (in principle) approval order has been accorded by Govt. of India, MoEF & CC for diversion of 64.119 ha. of Sabik kissam forest land for Kaliapani Chromite Mines by M/s Balasore Alloys Ltd. in Jajpur district subject to fulfillment of certain conditions.

For compliance of **condition No.2.xi** imposed in the aforesaid Stage-I order an amount of **Rs.1,22,400/-** the approved financial outlay for Afforestation on degraded forest land over one and half time safety zone is to be paid by the User Agency.

Hence, you are requested to deposit the above funds with the Adhoc body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through **e-payment module** and submit the receipt of the deposit to this office for ready reference.

Yours faithfully,

  
 Divisional Forest Officer  
 Cuttack Forest Division


Memo No \_\_\_\_\_ /Date

Copy submitted to the Regional Chief Conservator of Forests, Angul Circle, Angul for favour of kind information and necessary action with reference to his Memo No.474 dt.28.01.2017.

  
 Divisional Forest Officer  
 Cuttack Forest Division

Memo No \_\_\_\_\_ /Date

Copy submitted to the Addl. Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action with reference to Memo No.475 dt.28.01.2017 of the RCCF, Angul.

  
 Divisional Forest Officer  
 Cuttack Forest Division



AGENCY COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 18-03-2017	
Agency Name.	MS BALASORE ALLOYS LTD
Application No.	MIN119342015328
Location.	ORRISA
Address.	Balgopalpur,BalasoreBaleshwar
Amount(in Rs)	122400/-
Amount in Words :One Lakh Twenty-Two Thousand Four Hundred Rupees Only	
NEFT/RTGS to be made as per following details;	
Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	15082MIN119342015328
Bank Name & Address:	Corporation Bank FCS Bangalore 21/1, 3rd floor Jellita Towers Mission Road Bangalore -560027
<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> </ul>	

BANK COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 18-03-2017	
Agency Name.	MS BALASORE ALLOYS LTD
Application No.	MIN119342015328
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<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> </ul>	

After making successful payment, User Agencies may send a line of confirmation through  
Email: [helpdeskcampa@corpbank.co.in](mailto:helpdeskcampa@corpbank.co.in)



Ref: BAL/MINES/4170

Dated: 21.3.2017

The Divisional Forest Officer,  
Cuttack Forest Division,  
Ghatkulia, Nuapada, Cuttack.

Sub: Guideline regarding prior approval of Central Government under the Forest (Conservation) Act, 1980 for areas falling in the mining leases which were or are recorded as forest in the Government record on or after the day the FC Act came for use of forest land falling in such Mining Leases for mining purposes, such areas were treated as Non-Forest.: **Regarding Confirmation of payment.**

Ref No: Memo No.1220/SF (Misc) dated 16<sup>th</sup> February, 2017

Dear Sir,

With reference to the above mentioned subject, we would like to inform you that payment of Rs 1, 22,400/- ( One lakh Twenty Two Thousand Only) has been made in favour Orissa CAMPA, Corporation Bank of India, FCS Bangalore 21-1, in A/c No 1508 MIN 119342015321(details attached as Annexure-1) towards development of Compensatory Afforestation over 0.255 ha of degraded land selected at Mahagiri DPF against the Safety zone area involved in compliance to the condition no 2.xi of Stage-1 Clearance order issued in respect of Kallipani Chromite Mines of M/s Balasore Alloys Ltd.

This is for your kind information and needful action. Requesting you to kindly acknowledge the same.

Thanking you with Regards

Yours faithfully

For Balasore Alloys Ltd

Swarup Panda  
Vice-President (Corporate Affairs)

Encl. As above





State Bank of India,  
SME Branch Balasore (7020)  
(Formerly Balasore Industrial Estate Branch)  
Balasore-756001  
Ph.06782-266065, 262572 (F)

Letter No. RMME/SME BLS/2016-17/

Date : 21.03.2017

## TO WHOM-SO-EVER IT MAY CONCERN

Certified that the following Transfer is made in favour of ORISSA CAMPA Corporation Bank Of India, PCS Bangalore 21-1, Mission Road, Bangalore-560027, in A/c No.1508MTN119342015328, IFSC CODE NO-CORP0000633 OF Rs.1,22,400/- (UTR No. SBINR 417080529467, Dt.21/03/2017) by debiting SBI SME Branch Balasore, Odisha, Cash Credit A/c. No.30352334031 of Balasore Alloys Ltd.

This is for your information.

CHIEF MANAGER/RMME



## **Scheme**

**For**

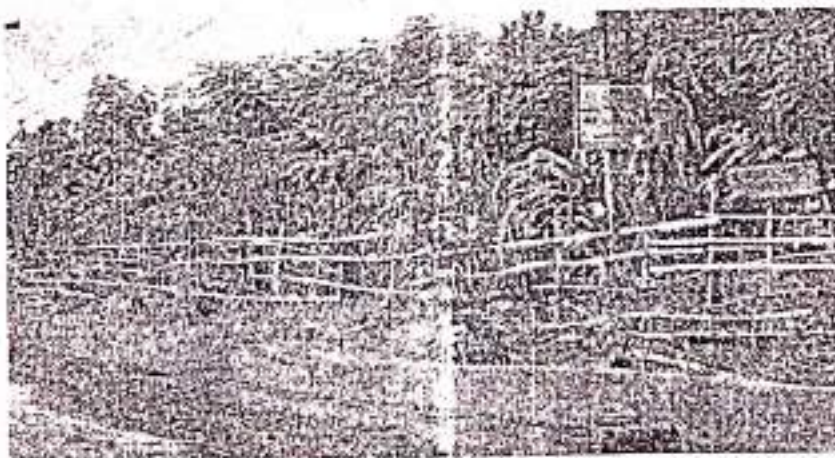
***"Afforestation on De-graded Forest land (0.255ha) in  
Mahagiri DPF measuring One & Half times the Area under  
Safety zone "***

***in respect of***

**Kaliapani Chromite Mines of M/s Balasore Alloys Ltd  
in Cuttack Forest Division, Cuttack, Odisha.  
in compliance to**

**"Condition No -2. xi of Stage-I Forest Clearance Order Vide Letter  
No.F.No.8-14/2016-FC dated 18th November,2016" Of Govt. Of India,  
Ministry of Environment , Forest & Climate Change,New Delhi.  
for**

**Diversion of 64.119 Hects Forest land  
within 64.463 Ha ML Area.**





**SCHEME FOR AFFORESTATION OVER ONE & HALF TIMES OF SAFETY  
ZONE AREA i.e. 0.255 ha IN DEGRADED FOREST LAND IN MAHAGIRI DPF  
OF SUKINDA RANGE OF CUTTACK FOREST DIVISION**

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**01. Introduction**

The Mining activities at Kaliapani Chromite Mines are being carried out as per Mining Plan/Schemes duly approved by IBM and as per guidelines laid down by Directorate General Mines Safety (DGMS). The total Lease hold Area has been broken up during 16 (Sixteen) years of operation. In view of MoEF & CC guidelines issued on 10.3.2015 and subsequent Circular dated 30.3.2015 issued by State Govt and order from DFO Cuttack vide Letter No 9570/5F/2014 dt. 12.12.2014, the involvement of Forest Land is 64.119 ha and 0.344 ha as Non- Forest Land declared as Road as per land record as on 25.10.1980. Further the mines is located within cluster of mines such as lease of Sukinda Chromite Mines of M/s IMFA on the East, Jindal Chromite Mines of M/s Jindal Stainless Ltd (JSL) on west & in south Ispat Sukinda Chromite Mine of M/s Balasore Alloys Ltd . As per Para 4.7 of guidelines of F/C Act-1980, the Safety Zone of 7.5 m width all around the Lease boundaries should be maintained. At Para 4.7 (ii) " which inter alia says that in case of cluster of mines, the outer boundaries of cluster should be taken as Safety Zone & its maintenance cost has to be borne proportionately by the Lessee operating the Cluster." In North side of the Lease area with tree growth is maintained as safety zone with 7.5 m width and total area comes to 0.17 ha except limited area used for entry to the ML area.

Kaliapani Chromite Mines of M/s Balasore Alloys Ltd has maintained safety zone over an area of 0.17 ha. *As per the condition 2.xi of Stage-I approval letter No: F.No.8-14/2016-FC dated 18th November,2016, Afforestation to be taken up over an area of one & half times of Safety zone area i.e.  $0.17 \times 1.5 = 0.255$  ha in the degraded forest area.*

**02. Identification of Degraded Forest Area**

The degraded forest land of 0.255 ha has been identified at Kusumundia village, Tahasil Sukinda of Jajpur district within Mahagiri DPF in consultation with Divisional Forest Officer, Cuttack Forest Division. The location of site is given below

Forest Division	: Cuttack Forest Division
Forest Range	: Sukinda Forest Range
Name of the Forest	: Mahagiri DPF
Topography	: Gentle Slope
Soil Quality	: Lateritic

Crop Density : 0.2

Area to be covered : 0.255 ha

The area is demarcated by six nos of pillars, details of pillar along with coordinates given below

Pillar No	Longitude	Latitude
1	85°45'04.96368"	21°00'26.65368"
2	85°45'03.97260"	21°00'25.08552"
3	85°45'02.83752"	21°00'24.13404"
4	85°45'02.37348"	21°00'25.78932"
5	85°45'02.61360"	21°00'26.051004"
6	85°45'03.50316"	21°00'27.35856"

The identified area is shown on Topo sheet map is attached as Plate-I and key plan as Plate-2.

**03. Objective of the Scheme:**

This scheme aims to comply the condition no 2.xi imposed in the stage-I approval Vide no: F.No.8-14/2016-FC dated 18th November,2016.The degraded forest is to be restored by block plantation with a density of 1000 plants/ hectare with soil and moisture conservation measures along with site specific Afforestation programme. In addition, due to implementation of work following benefits likely to be achieved.

- The plantation likely to help in minimizing the fodder scarcity of wild animals
- The plantation will also help in conserving the traditional value of forest.
- To improve existing degraded forests with rehabilitation measure in natural existing forest growth.
- To provide a green belt to compensate loss of forest land.
- To conserve the soil and moisture of the area to maintain the ecosystem and to provide a healthy climatic condition.
- To make best use of the land by planting valuable species and enhance the aesthetic value of the land.



- To provide gainful employment of the rural poor.
- To minimise the effects of pollution & provide a healthy environment.

#### 04- COMPONENTS OF THE SCHEME:-

- I. Plantation in prominent patches at regular spacing of 2.5m x 2.5m with average plantation of @1000 plants/ ha.
- II. Regeneration, cleaning activities like high stump rectification, wining out, climber, cutting, pruning, de-weeding etc. to improve the natural regeneration of already existing in the area.
- III. Soil & moisture conservation measures to improve the moisture retention of the forest land including drainage line treatment etc. The works proposed are gully plugging, and staggered trenching.

#### 05- CHOICE OF SPECIES:-

The plantation of this project shall be taken up in Daitary D.P.F, which is in degraded form located in different patches. The selection of species will be as per the site specific and beneficial to the forest and useful to the local people are as under:

##### LIST OF SPECIES

01. Sisoo (*Dalbergia sissoo*)
02. Neam (*Azadirachta indica*)
03. Piasal (*Pterocarpus marsupium*)
04. Bamboo (*Dendrocalamus strictus*)
05. Bahada (*Terminalia bellirica*)
06. Amla (*Emblica officinalis*)
07. Gambhar (*Gmelina arborea*)
08. Khair (*Acacia catechu*)
09. Sisoo (*Dalbergia latifolia*)
10. Sirisha (*Albizia procera*)

#### 06-PROJECT AREA:-

The treatable area is located within Daitary D.P.F. The crop condition in the region are degraded comprising of species like Sal, Dhaura, Aasan, Kendu, Mahula, Kochila, Kuruma etc. need in generation and cleaning. Besides, prominent gaps are also existing which needs intervention by artificial regeneration. At present the crop condition in this

area is alarming and needs treatment such as R.D.F. and trough Block Plantation activities. Hence, this is proposed as treatment area.

**07- FINANCE OF THE SCHEME:**

The total Financial Outlay estimated towards this Scheme shall be deposited by User Agency.

**08- FINANCIAL OUTLAY:**

The total financial outlay for proposed plantation over 0.255 ha of One & Half Times of Safety Zone area comes to **Rs.2,25,370.00(Rupees Two Lakh Twenty-Five Thousand Three Hundred Seventy)** only as shown in Annxure-1.

  
Divisional Forest Officer  
Cuttack Forest Division



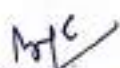
**Total Project Cost for Plantation over One & Half times of Safety Zone area  
in Degraded Forest land over 0.255 ha in Kaliapani Chromite Mines  
in respect of M/s Balasore Alloys Ltd.**

Sl No.	Item of Work	Estimated cost in (Rs.)
1	Block Plantation (1000 Plants/ Ha.) over 0.255 Ha @2,47,719/Ha	Rs.63,168.35
2	Fencing Model-F-I(Bamboo Twig) over 0.255 Ha@1,03,110/Ha	Rs.26,293.05
3	Soil Moisture Conservation cost over 0.255 Ha @35,634/Ha	Rs.9,086.67
4	Watering Model-II (Diesel Pump set Fitted with Bore well) over 0.255 Ha @4,97,339/Ha	Rs.1,26,821.45
	<b>Grand Total</b>	Rs.2,25,369.52 Or Rs.2,25,370.00

(Rupees Two Lakh Twenty-Five Thousand Three Hundred Seventy) Only

  
DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION

*Approved for Rs. 2,25,370/-*

  
Regional Chief Conservator  
of Forests, Angul Circle.

**BASE COST NORM FOR AFFORESTATION (AR PLANTATION) @1000 PLANTS PER HECTARE**

1. MODEL	BLOCK
2. NO. OF PLANTS PER HA.	1,000
3. TOTAL AREA TO BE PLANTED(In HA.)	0.255
4. SPACING TO BE ADOPTED	2.5M X 2.5M
5. TOTAL NOS. OF PLANTS TO BE PLANTED	255
6. Wage Rate [Per MD]	333.00

Sl. No.	Item of Works	Period of execution	Mandays	Labour Cost @	Material Cost	Total in Rs.
1	2	3	4	5	6	7
<b>Pre-Planting Operation (0<sup>th</sup> Year)</b>						
1	Survey, Demarcation and Pillar Posting	Nov/Dec	2	666.00	0	666.00
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	333.00	100	433.00
3	Site preparation (Cleaning & removal of debris)	Nov/Dec	12	3,996.00	0	3,996.00
4	Creation of 4.00 mt wide Inspection Path	Feb/Mar	1	333.00	0	333.00
5	Alignment and stacking of pits	Feb/Mar	1	333.00	0	333.00
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard & gravelly soil	Feb/Mar	40	13,320.00	0	13,320.00
7	Construction of Temporary Labour Shed, Drinking water facility and First Aid etc.	Jan/Mar	0	0.00	3500	3,500.00
<b>Total:-</b>			<b>57</b>	<b>18,981.00</b>	<b>3,600.00</b>	<b>22,581.00</b>
<b>1st Year/ Planting Year</b>						
1	Refilling of pits by altering the dugout soil of the pits, application of Organic compounds/ CDM/ FYM & mixing the same properly.	Jun/July	7.5	2,497.50	5,000.00	7,497.50
2	Transportation of 18 months old polypot seedlings in hired truck/ tractor from the Permanent/ Mega nursery to planting site including loading & unloading. (Average lead of 10 Rkm) & stacking the seedlings @ Rs.6/- per Seedling. (1100 nos.)	July/Aug	0	0.00	6,600.00	6,600.00
3	Watering the polypot seedlings at planting site	July/Aug	2	666.00	0.00	666.00
4	Conveyance of polypot seedlings on head load from the stacking site to individual dug out pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & pressing the soil properly around the planted seedlings.	July/Aug	22.5	7,492.50	0.00	7,492.50
5	<b>Cost of Fertilizer &amp; Insecticide:-</b> (a) NPK / Bio-fertilizer @50 gms/ plant as basal dose = 50 kg @ Rs.30/- per kg = Rs1500.00 (b) Urea/ Vermicompost/ Mo Khata/ any other fertilizer in two subsequent doses @ Rs.750.00 (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 5 kg @ Rs/150/- per kg = Rs 750.00	July/Aug	0	0.00	3,000.00	3,000.00



Sl. No.	Item of Works	Period of execution	Mandays	Labour Cost @	Material Cost	Total in Rs.
1	2	3	4	5	6	7
6	Casualty Replacement @ 10% (100 nos.)	July/Aug	2.5	832.50	0.00	832.50
7	1st Weeding & Manuring.	Aug/Sept	12	3,996.00	0.00	3,996.00
8	2nd Weeding, Soil working (1mt. Diameter around the plants) and Manuring.	Oct/Nov	15	4,995.00	0.00	4,995.00
9	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
10	Watch & Ward including watering as per requirement.	Aug-Mar	12	3,996.00	0.00	3,996.00
	<b>Total:-</b>		<b>76.5</b>	<b>25474.5</b>	<b>14600</b>	<b>40,074.50</b>
<b>2nd Year Maintenance</b>						
1	Transportation of 100 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs.6/- per seedling	Jul	0	0.00	600.00	600.00
2	Casualty Replacement @ 10%	Jul	2.5	832.50	0.00	832.50
3	<b>Cost of Fertilizer &amp; Insecticide:-</b> (a) Cost of Insecticide/ Bio-pesticide @ 5 gms/ plant = 0.5 kg @ Rs.150/- per kg = Rs.75/- (b) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer @ Rs.2800/-	Aug/Sept	0	0.00	2,875.00	2,875.00
4	Weeding (Complete weeding), Manuring & Soil working (1mt. Diameter around the plants).	Sept/Oct	15	4,995.00	0.00	4,995.00
5	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
6	Watch & Ward including watering as per requirement.	Apr-Mar	18	5,994.00	0.00	5,994.00
7	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.				1,000.00	1,000.00
	<b>Total:-</b>		<b>38.5</b>	<b>12820.5</b>	<b>4,475.00</b>	<b>17295.5</b>
<b>3rd Year Maintenance</b>						
1	Cost of fertilizer (Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer).	Sept/Oct	0	0.00	2,800.00	2,800.00
2	Weeding , Manuring & Soil working (1mt. Diameter around the plants).	Sept/Oct	15	4,995.00	0.00	4,995.00
3	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
4	Watch & Ward including watering as per requirement.	Apr-Mar	18	5,994.00	0.00	5,994.00
5	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr-Mar			1,000.00	1,000.00
	<b>Total:-</b>		<b>36</b>	<b>11,988.00</b>	<b>3,800.00</b>	<b>15,788.00</b>

Sl. No.	Item of Works	Period of execution	Mandays	Labour Cost @	Material Cost	Total in Rs.
1	2	3	4	5	6	7
<b>4th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>5th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>6th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Pruning of branches, Singling out of multiple shoots	Jan/Mar	3	999.00	0.00	999.00
3	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>24</b>	<b>7,992.00</b>	<b>0</b>	<b>7,992.00</b>
<b>7th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>8th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>9th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>10th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>



**TOTAL COST FOR 1 HA.**

Sr. No.	Year	No. person days	Labour Cost @ Rs.333/-	Material Cost (Rs.)	Monitoring, Evaluation, Learning, Documentation and other Contingency (5%) of (4+5)	Cost of Seedlings @ Rs.53.0486/- per seedlings	Total Cost (Rs.)
		57	18981	3600	973	0	23,554.00
1	0th year	76.5	25474.5	14600	1918.5	58353.46	1,00,346.46
2	1st year	38.5	12820.5	4475	821.5	5304.86	23,421.86
3	2nd year	36	11988	3800	749	0	16,537.00
4	3rd year	21	6993	0	326	0	7,319.00
5	4th year	21	6993	0	326	0	7,319.00
6	5th year	24	7992	0	373	0	8,365.00
7	6th year	21	6993	0	326	0	7,319.00
8	7th year	21	6993	0	326	0	7,319.00
9	8th year	21	6993	0	326	0	7,319.00
10	9th year	21	6993	0	326	0	7,319.00
11	10th year	21	6993	0	326	0	7,319.00
	<b>Total:-</b>	<b>358</b>	<b>1,19,214.00</b>	<b>26,475.00</b>	<b>6,791.00</b>	<b>63,658.32</b>	<b>2,16,138.32</b>

**TOTAL PROJECT COST FOR 0.255 HA.**

Sr. No.	Year	No. Mandays	Labour Cost @ Rs.333/-	Material Cost (Rs.)	MELD & Other Contingency (5%) of (4+5)	Cost of Seedlings @ Rs.53.0486/- per seedlings	Total Cost (Rs.)
1	0th year	14.54	4840.16	918.00	248.12	0	6,006.28
2	1st year	19.51	6496	3723.00	489.22	14880.13	25,588.35
3	2nd year	9.82	3269.23	1141.13	209.48	1352.74	5,972.58
4	3rd year	9.18	3056.94	969	191	0	4,216.94
5	4th year	5.36	1783.22	0	83.13	0	1,866.35
6	5th year	5.36	1783.22	0	83.13	0	1,866.35
7	6th year	6.12	2037.96	0	95.12	0	2,133.08
8	7th year	5.36	1783.22	0	83.13	0	1,866.35
9	8th year	5.36	1783.22	0	83.13	0	1,866.35
10	9th year	5.36	1783.22	0	83.13	0	1,866.35
11	10th year	5.36	1783.22	0	83.13	0	1,866.35
	<b>Grand Total:-</b>	<b>91.29</b>	<b>30,399.61</b>	<b>6,751.13</b>	<b>1,731.72</b>	<b>16,232.87</b>	<b>55,115.33</b>
	<b>OR</b>						<b>55,115.00</b>

(Rupees Fifty-Five Thousand One Hundred Fifteen) Only

  
 Divisional Forest Officer  
 Cuttack Forest Division

Matrix for Model-1A Conventional CA Plantation (AR) 1000 plants

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVII I	XIX	XX	XXI	Total Cost (10 Years)
Base Norm	23554	100346	23422	16537	7319	7319	7319	8365	7319	7319	7319	7319											
1 2022-23	23554	105364	25823	19144	8896	9341	9341	11210	10299	10813	11354	11922											247719
2 2023-24		24732	110632	27114	20101	9341	9341	9808	11770	10813	11354	11922	12518										260105
3 2024-25			25968	116164	28469	21106	21106	9808	10299	12359	11354	11922	12518	13144									273111
4 2025-26				27267	121972	29893	29893	22161	10299	10813	12977	11922	12518	13144	13801								286766
5 2026-27					28630	128070	31388	23269	10813	11354	11354	13626	12518	13144	13801	14491							301105
6 2027-28						30062	134474	32957	24433	11354	11354	11922	14307	13144	13801	14491	15216						316160
7 2028-29								31565	141198	34605	25654	11922	12518	15022	13801	14491	15216	15976					331968
8 2029-30									33143	148257	36335	26937	12518	13144	13773	14491	15216	15976	16775				348566
9 2030-31										34800	155670	38152	28284	13144	13801	16562	15216	15976	16775	17614			365994
10 2031-32											36540	163454	40059	29698	13801	14491	17390	15976	16775	17614	18495		384294

(Rupees Two Lakh Forty-Seven Thousand Seven Hundred Nineteen) Only



DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION



# ENCING FOR COMPENSATORY PLANTATION RAISED INSIDE THE FOREST AREAS USING BAMBOO TWIGS & THIRONS (250 RMT/HA.)

1. MODEL	BLOCK
2. TOTAL AREA TO BE FENCED(250 Rmt./Ha.)	0.255 Ha.
3. Wage Rate [Per MD]	333.00

## WAGE RATE Rs.333/-PER DAY

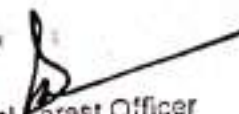
Item of work	Preferable Period of Execution	Man days	Wages	Material cost	Total Cost (Rs./Ha.)
0th Year (PPO)					
NIL		0	0	0	0
1st Year Maintenance					
1 Taking an average perimeter of 250 Rmt/ Ha @ 93.85/ mt. (Half bundle Bamboo Twigs/ mt @ 120 / Bundle) Labour ; material = 40: 60 (approx)	Sept/Oct.	30	9,990.00	14,133.00	24,123.00
2 Bamboo poles of 8 height at a distance of 2mtr. spacing to be fixed( 2" under & 2" above soil) 2502=125+1=126 Nos. of Bamboo Poles 1 Bamboo (approx) 24" height= 3 Poles 1259=42 Bamboo @ 200/ Bamboo	Sept/Oct.	-	-	8,400.00	8,400.00
3 Preparation of Bamboo Poles, Digging of holes of 2 Ft. depth & fixing Bamboo poles @ 20 poles /MD	Sept/Oct.	6.5	2,164.50	-	2,164.50
4 with double side two strand Bamboo batten ( One 6" above ground and other one 4 ft" above ground) 250X2/24=21 Bamboo @ 200 / Bamboo	Sept/Oct.	-	-	4,200.00	4,200.00
5 Making Bamboo batten, Finishing the Batten & Tying the same on double strand on Coir rope etc. Rs. 11/ Rmt.	Sept/Oct.	9	2,997.00	-	2,997.00
6 Cost of coir rope @ Rs.0.125 Kg/ Rmt 500 X 0.125 Kg= 62.5 Kg @Rs.70/Kg	Sept/Oct.	-	-	4,375.00	4,375.00
7 Making one Bamboo Twigs gate with Bamboo frame.			-	500.50	500.50
<b>Total:-</b>		<b>45.5</b>	<b>15,151.50</b>	<b>31,608.50</b>	<b>46,760.00</b>
Rate per running mt. 46760 / 250 =187/Rmt					
2nd Year Maintenance					
1 Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,660.00	1,500.00	8,160.00
Rate per running mt. 8160 /250 =31.2/Rmt or Rs.31-Rmt					
3rd Year Maintenance					
1 Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,660.00	5,675.00	12,335.00
Rate per running mt. 12335 /250 =47.9/Rmt or Rs.48-Rmt					
4th Year Maintenance					
1 Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,660.00	5,675.00	12,335.00
Rate per running mt. 12335 /250 =47.9/Rmt or Rs.48-Rmt					
5th Year Maintenance					
1 Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,660.00	5,675.00	12,335.00
Rate per running mt. 12335 /250 =47.9/Rmt or Rs.48-Rmt					

**TOTAL COST FOR 1 HA(250Rmt.)**

Year	No. of MD	Labour Cost	Material Cost	Total
0 <sup>th</sup> Year	-	-	-	0.00
1 <sup>st</sup> Year	45.50	15,151.50	31,608.50	46,760.00
2 <sup>nd</sup> Year	20	6660.00	1500.00	8,160.00
3 <sup>rd</sup> Year	20	6660.00	5675.00	12,335.00
4 <sup>th</sup> Year	20	6660.00	5675.00	12,335.00
5 <sup>th</sup> Year	20	6660.00	5675.00	12,335.00
<b>TOTAL:-</b>	<b>125.5</b>	<b>41,791.50</b>	<b>50,133.50</b>	<b>91,925.00</b>

**TOTAL COST FOR 0.255 HA(0.06375 Rkm)**

Year	No. of MD	Labour Cost	Material Cost	Total
0 <sup>th</sup> Year	0	-	-	-
1 <sup>st</sup> Year	11.6	3,863.63	8,060.17	11,923.80
2 <sup>nd</sup> Year	5	1,698.30	382.50	2,080.80
3 <sup>rd</sup> Year	5	1,698.30	1,447.13	3,145.43
4 <sup>th</sup> Year	5	1,698.30	1,447.13	3,145.43
5 <sup>th</sup> Year	5	1,698.30	1,447.13	3,145.43
<b>TOTAL:-</b>	<b>32.00</b>	<b>10,656.83</b>	<b>12,784.94</b>	<b>23,440.88</b>
<b>OR</b>				<b>23,441.00</b>
<b>(RupeesTwenty-Three Thousand Four Hundred Forty-One)Only</b>				

  
 Divisional Forest Officer  
 Cuttack Forest Division



Matrix for Fencing Model-F-I (Bamboo Twlg)

Sl. No.	Common cement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Year)
	Base Norm	0	46760	8160	12335	12335	12335																1031
1	2022-23	0	49098	8996	14279	14993	15743																1082
2	2023-24		0	51553	9446	14993	15743	16530															1136
3	2024-25			0	54131	9919	15743	16530	17357														1193
4	2025-26				0	56837	10414	16530	17357	18224													1253
5	2026-27					0	59679	10935	17357	18224	19136												1315
6	2027-28						0	62663	11482	18224	19136	20092											1381
7	2028-29							0	65796	12056	19136	20092	21097										1450
8	2029-30								0	69086	12659	20092	21097	22152									1523
9	2030-31									0	72540	13292	21097	22152	23259								1599
10	2031-32										0	76167	13956	22152	23259	24422							

(Rupees One Lakh Three Thousand One Hundred Ten) Only



DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION


SMC Works Model-C			
Cost Norms for creation of Afforestation with stabilization of Soil & Conservation of Moisture (1000 Plants/ Ha).			
Sl. No.	Items of work	Preferable Period of Execution	Total Cost (Rs.)
<b>0<sup>th</sup> Year (Pre-Planting Operation)</b>			
1	Nil		0
<b>1<sup>st</sup> Year</b>			
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Dyke & WHS as per the slope & site requirement on LS.	Apr/Sept	20,215.00
<b>2<sup>nd</sup> Year</b>			
3	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>3<sup>rd</sup> Year</b>			
4	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>4<sup>th</sup> Year</b>			
5	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>5<sup>th</sup> Year</b>			
6	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>Total</b>			<b>32,343.00</b>

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 333/ per day	Material Cost	Total Cost (Rs)
1	0 <sup>th</sup> Year	0	0.00	0.00	0.00
2	1 <sup>st</sup> Year	0	0.00	20,215.00	20,215.00
3	2 <sup>nd</sup> Year	0	0.00	3,032.00	3,032.00
4	3 <sup>rd</sup> Year	0	0.00	3,032.00	3,032.00
5	4 <sup>th</sup> Year	0	0.00	3,032.00	3,032.00
6	5 <sup>th</sup> Year	0	0.00	3,032.00	3,032.00
<b>Total</b>		<b>0</b>	<b>0.00</b>	<b>32,343.00</b>	<b>32,343.00</b>



## Abstract for 0.255 ha.

Sl. No.	Year	No. person days	Labour Cost @ Rs. 333/- per day	Material Cost	Total Cost (Rs)
1	0 <sup>th</sup> Year	0	0.00	0.00	0.00
2	1 <sup>st</sup> Year	0	0.00	5154.83	5,154.83
3	2 <sup>nd</sup> Year	0	0.00	773.16	773.16
4	3 <sup>rd</sup> Year	0	0.00	773.16	773.16
5	4 <sup>th</sup> Year	0	0.00	773.16	773.16
6	5 <sup>th</sup> Year	0	0.00	773.16	773.16
	<b>Total</b>	0	0.00	8247.47	8,247.47
	<b>OR</b>				8,247.00
<b>(Rupees Eight Thousand Two Hundred Forty-Seven )only</b>					

  
 Divisional Forest Officer  
 Cuttack Forest Division

Matrix for (SMC) for 1Ha.

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
Base Norm		0	20,215	3,032	3,032	3,032	3,032																
1	2022-23	0	21226	3343	3510	3685	3870																35034
2	2023-24		0	22287	3510	3685	3870	4063															37415
3	2024-25			0	23401	3685	3870	4063	4266														39286
4	2025-26				0	24571	3870	4063	4266	4480													41250
5	2026-27					0	25800	4063	4266	4480	4704												43313
6	2027-28						0	27090	4266	4480	4704	4939											45478
7	2028-29							0	28445	4480	4704	4939	5186										47752
8	2029-30								0	29867	4704	4939	5186	5445									50160
9	2030-31									0	31360	4939	5186	5445	5717								52647
10	2031-32										0	32928	5186	5445	5717	6003							55279

(Rupees Thirty-Seven Thousand Four Hundred Fifteen) Only



DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION



# Water Model-W-II

## Water provision to Plantation

Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wage Rate @ 333/-

### Year of Installation (0<sup>th</sup> Year)

1	Cost of Bore well	1,50,000.00	
2	Cost of Diesel pump Set 5 HP	60,000.00	
3	Diesel pump set & accessories like	30,000.00	
4	Water Storage Tanks/ Flexible pipes	15,000.00	
	<b>Total</b>	<b>2,55,000.00</b>	
Cost of Water per Plant (2,55,000/5000)=Rs.51/-			51,000.00
Cost of Water per Ha.=Rs.51,000/-			

### 1<sup>st</sup> Year Watering

1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 5 Month=100 MDx326=	33,300.00
	<b>Total</b>	<b>54,300.00</b>

### 2<sup>nd</sup> Year Watering

1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	53,280.00
	<b>Total</b>	<b>81,930.00</b>

### 3<sup>rd</sup> Year Watering

1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	53,280.00
	<b>Total</b>	<b>81,930.00</b>

### 4<sup>th</sup> Year Watering

1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	53,280.00
	<b>Total</b>	<b>81,930.00</b>

### 5<sup>th</sup> Year Watering

1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	53,280.00
	<b>Total</b>	<b>81,930.00</b>



## Abstract for 1 ha.

SL No.	Year	No. person days	Labour cost @ Rs.333/- per day	Material Cost	Total cost (Rs.)
1	0 <sup>th</sup> Year	0	0.00	51,000.00	51,000.00
2	1 <sup>st</sup> Year	100	33,300.00	21,000.00	54,300.00
3	2 <sup>nd</sup> Year	160	53,280.00	28,650.00	81,930.00
4	3 <sup>rd</sup> Year	160	53,280.00	28,650.00	81,930.00
5	4 <sup>th</sup> Year	160	53,280.00	28,650.00	81,930.00
6	5 <sup>th</sup> Year	160	53,280.00	28,650.00	81,930.00
	Total	740	2,46,420.00	1,86,600.00	4,33,020.00

## Abstract for 0.255 ha.

SL No.	Year	No. person days	Labour cost @ Rs.333/- per day	Material Cost	Total cost (Rs.)
1	0 <sup>th</sup> Year	0.0	0.00	13,005.00	13,005.00
2	1 <sup>st</sup> Year	25.5	8491.50	5,355.00	13,846.50
3	2 <sup>nd</sup> Year	40.8	13586.40	7,305.75	20,892.15
4	3 <sup>rd</sup> Year	40.8	13586.40	7,305.75	20,892.15
5	4 <sup>th</sup> Year	40.8	13586.40	7,305.75	20,892.15
6	5 <sup>th</sup> Year	40.8	13586.40	7,305.75	20,892.15
	Total	188.7	62837.10	47,583.00	1,10,420.10
	Or				1,10,420.00
(Rupees One Lakh Ten Thousand Four Hundred Twenty )Only					

  
Divisional Forest Officer  
Cuttack Forest Division



Matrix for Watering VII (Diesel Pump act with Borwell) over 1 Ha.

Sl. No.	Common cement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
1	2022-23	51000	54300	81930	81930	81930	81930	81930															497339
2	2023-24	51000	57015	90328	94844	99586	104566	109794															522206
3	2024-25		53550	59866	94844	99586	104566	109794	115284														548316
4	2025-26			56228	62859	99586	104566	109794	115284	121048													575732
5	2026-27				59039	66002	104566	109794	115284	121048	127100	133455	140128										604519
6	2027-28					61991	65090	72767	815284	121048	127100	133455	140128	147135									634745
7	2028-29							68345	76406	80226	84237	88449	92104	95491									656482
8	2029-30							71762		75350	79118	83449	87135	90491									699806
9	2030-31																						734797
10	2031-32																						771536

(Rupees Four Lakh Ninety-Seven Thousand Three Hundred Thirty-Nine) Only

  
DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION



MAP SHOWING 0.255 Ha. AREA WITHIN MAHAGIRI D.P.F. ALLOTTED FOR PROPOSED PLANTATION AGAINST 1.5 TIMES OF SAFETY ZONE AREA OF KALIAPANI CHROMITE MINES, M/S. BALASORE ALLOYS LTD.



LEGEND	
	BOUNDARY POINTS
	PROPOSED AREA

CO-ORDINATES OF ALLOTTED AREA (0.255 Ha.)			
POINT ID	EASTING	NORTHING	LATITUDE
1	370231.000	2323474.000	85°45'04.96368"
2	370202.000	2323426.000	85°45'03.97260"
3	370169.000	2323397.000	85°45'02.83752"
4	370156.000	2323448.000	85°45'02.37348"
5	370163.000	2323456.000	85°45'02.61360"
6	370189.000	2323496.000	85°45'03.50316"

FOR BALASORE ALLOYS LTD.

Asst. Conservator of Forests  
Cuttack Forest Division

Asst. Conservator of Forests  
Cuttack Forest Division

Asst. Conservator of Forests  
Cuttack Forest Division



OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2340443 FAX: - 0671-2347611 Email:- dfo.cuttack@odisha.gov.in

No. 74/6 /5F (Forest Diversion) 17 /2022

Dated, Cuttack the 10 th November, 2022

To

The Managing Director,  
M/s Balasore Alloys Ltd.,  
Module C/I, 1<sup>st</sup> floor Fortune Tower,  
Chandrasekharpur, Bhubaneswar-751023

Sub:- Diversion of 64.119 of Sabik kissam Forest land as on 25.10.1980 within mining lease area of 64.463 ha, for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. in Jajpur district of Odisha. **Approval of schemes for 1.5 times of safety zone.**

Ref:- Memo No.4662 dt.04.11.2022 of the Regional Chief Conservator of Forests, Angul Circle, Angul to your address.

Sir

In inviting a reference to the memo cited above on the captioned subject, it is to inform you that, as per the condition No.(xi)(b) of stage-1 approval order, one scheme for Afforestation on degraded forest land over one and half times of the area under safety zone identified inside Mahagiri DPF has been approved by the Regional Chief Conservator of Forests, Angul Circle, Angul with financial outlay for Rs. 2,25,370.00/- at the wage rate @333/- per Manday with 10 years maintenance.


In view of above, it is requested to make arrangement to deposit the amount Rs. 1,02,970.00 (Rupees One Lakh Two Thousand Nine Hundred Seventy) (Rs. 2,25,370.00- Rs.1,22,400.00) only with the Adhoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e- payment module & submit the receipt of the deposition to this office for ready reference.

Further, you are once again requested to submit point wise compliance imposed in stage-1 approval order by Ministry of Environment, Forest & Climate Change, Govt. of India.

This is for information and an early action

Encl: - As above.

Yours Faithfully

  
Divisional Forest Officer  
Cuttack Forest Division

Copy for kind information to:

- (i) The Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the PCCF & HoFF, Bhubaneswar, Odisha.
- (ii) The Regional Chief Conservator of Forests, Angul Circle, Angul.

# BALASORE ALLOYS LIMITED



CIN-L27101OR1984PLC001354

**BAL GSTN NO.21AAACI3967P1Z9 & PAN NO.AAACI3967P**  
**LEI NUMBER 335800AOBD9P35VQKB47 VALID TILL 15 FEB-2023**

Ref. No. : BALB/F & A/  
Date :

To

**The Chief Manager**  
State Bank of India  
SME Branch,  
Balasore Industrial Estate  
Balasore-756001

Dear Sir,

Sub: Transfer of fund thru RTGS/NEFT

Please arrange to transfer a sum of **Rs.1,02,971/- (Rupees One Lac Two Thousand Nine Hundred Seventy One)** only through **RTGS/NEFT** as per details given below by debiting our **TRA A/C No. 40496787300** with you towards **Sukunda Mines Govt Payments for Forest Officer.**

**Amount : Rs. 1,02,971/-**  
**Account No : 150825811934893**  
**Name of Party : ORRISA CAMPA**  
**Bank Name : UNION BANK OF INDIA**  
**FCS BRANCH, BENGALURU,**

**IFSC/RTGS Code No : UBIN0996335**

Necessary bank charges also may please be debited to our above account under intimation to us.

Your kind co-operation in this regard shall be highly appreciated.

Thanking you.

Yours faithfully  
For Balasore Alloys Ltd.

-----SD-----

**Rs. 1,02,970.00**  
**B/C. RS. 14.16**

**TOTAL RS. 1,02,984.16**

Authorised Signatories  
**Mob: 07381095946**

**UTR NO. SBIN. 122319571542**  
**For BALASORE ALLOYS LTD**  
**CHEQUE NO. 1111111111**  
**Authorised Signatories**





OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT/PO:- GHATAKULA, DIST:- CUTTACK (ODISHA)

Tel:- 0671-2340443 FAX:- 0671-2347611 Email:- dfo.cuttackforest division@yahoo.com

Memo No 12408 /5F/2016Dated, Cuttack the 21<sup>st</sup> th December, 2016

To

The Vice President, Corporate Affairs  
M/s Balasore Alloys Ltd., Bhubaneswar.

Sub :-

Proposal for diversion of 64.119 ha. of Sabik kissam forest land as on 25.10.1980 within total mining lease area of 64.463 ha. for Chromite mining in their Kaliapani Chromite mines of M/s Balasore Alloys Ltd. in Jajpur District, Odisha under Cuttack Forest Division.

Ref: -

Memo No.23525 dt.14.12.2016 of the Addl. PCCF, Forest Diversion & Nodal Officer, FC Act, O/o the PCCF, Odisha.  
Letter No.8-14/2016-FC dt.18.11.2016 of Govt. of India, Ministry of Environment & Forests and Climate Change, New Delhi.

Sir,

Please refer to the letter cited above of the Govt. of India, MoEF & CC wherein Stage-I (in principle) approval order has been accorded by Govt. of India, MoEF & CC for diversion of balance 64.119 ha. of Sabik kissam forest land for chromite mining in Kaliapani Chromite Mines by M/s Balasore Alloys Ltd. in Jajpur district subject to fulfillment of certain conditions. For compliance of condition No.2 (vi) imposed in the aforesaid Stage-I order, an amount of Rs.2, 39, 79,700/- the approved financial outlay for Compensatory Afforestation scheme over 63.949 ha. of non-forest land in village Rahadpur under Dharماسala Tahasil in Dalijora Range of Cuttack Forest Division is to be deposited by the user agency.


Hence, you are requested to deposit the above funds with the Adhoc body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through **e-payment module** and submit the receipt of the deposition to this office for ready reference.

Yours faithfully,

  
Divisional Forest officer  
Cuttack Forest Division


Memo No \_\_\_\_\_/Date

Copy submitted to the Addl. Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action with reference to his Memo No.23525 dt.14.12.2016.

  
Divisional Forest Officer  
Cuttack Forest Division

Memo No \_\_\_\_\_/Date

Copy submitted to the Regional Chief Conservator of Forests, Angul Circle, Angul for favour of kind information and necessary action with reference to Memo No.23525 dt.14.12.2016 of Addl. PCCF, Forest Diversion & Nodal Officer FC Act, O/o the PCCF, Odisha.

  
Divisional Forest Officer  
Cuttack Forest Division

GHATAKULA, NUAPADA, MADHUPATNA, CUTTACK-753010.

E-mail Id-dfo.cuttackforestdivision@yahoo.com, Fax-0671-2347611

No. 443 /

Dated, Cuttack 21<sup>th</sup> January, 2015..

To

The Vice President (Mine),  
Kaliapani Chromite Mines,  
M/s-Balasore Alloys Ltd., At/P.O.- Kaliapani, Dist-Jajpur.

Sub: - Site specific wildlife conservation plan in respect of Kaliapani Chromite mines of M/s Balasore Alloys Ltd. in Jajpur Dist. Odisha.

X-Sub:- Revision/modification of this office memo no.233 dt.12.01.2015.

Ref: - (i) Memo No.8478 dt.07.11.2014 of PCCF, (Wildlife) & Chief Wildlife Warden, Odisha to your address.  
(ii) This office letter no.233 dt.12.01.2015.  
(iii) Your letter no.1968 dt.20.01.2015.

Sir,

In inviting a reference to the subject cited above it is to inform you that the letter as issued vide this office no.233 dt.12.01.2015 is hereby revised /modified which should be read as follows and act accordingly.

The Site specific wildlife conservation plan in respect of Kaliapani Chromite mines of M/s Balasore Alloys Ltd. has been approved by the PCCF (Wildlife) & Chief Wildlife Warden, Odisha with the financial forecast of Rs.254.18 Lakh (Two Crore Fifty Fore Lakh Eighteen Thousand) only for the following activities.

- |                     |   |                       |
|---------------------|---|-----------------------|
| (i)                 | For activities to be implemented in project area by the User Agency in Cuttack Forest Division. | Rs.64.82 Lakh         |
| (ii)                | For activities to be Implemented by DFO, Cuttack Division in project impact area                | <u>Rs 189.36 Lakh</u> |
| <b>Grand Total-</b> |   | <b>Rs 254.18 Lakh</b> |

Hence you are requested to deposit an amount of **Rs 189.36 Lakh (Rupees One Crore Eighty Nine Lakh Thirty Six Thousand)** only through RTGS in either of the following Banks in the CAMPA fund.

1. Corporation Bank, Lodhi Complex Branch, New Delhi-110003  
(RTGS/IFSC No. CORP0000371, SB Account No. SB01025222).
2. Union Bank of India, Sundar Nagar, New Delhi-110003  
(RTGS/IFSC No. UBIN0534498, SB Account No. 344902010105428)

Further, you are requested to note the following conditions for future compliance.

- i. This plan may be revisited after five years and the user agency will give undertaking to contribute towards the revised cost of the conservation plan till the project period, if any.
- ii. The project proponent has to prepare and submit the Conservation Plan for the next ten years of their lease period (balance period of which forest land remains diverted) at least one year before the expiry of the present Conservation Plan and deposit the outlay amount upon its approval. In case of delay, the project operation will be automatically stopped.

Contd...2



Further, as regards the guidance sought by you for para (i) it is to inform you that an undertaking require to be furnished as per the memo no.8478 dt.07.11.2014 of the PCCF, (Wildlife) & Chief Wildlife Warden, Odisha communicated to your address.

Yours faithfully,

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 444 /dt. 21-01-2015.

Copy forwarded to Addl. Pr. Chief Conservator of Forests, Forest Division and Nodal Officer, FC Act, O/o-the PCCF, Odisha for information and necessary action in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 445 /dt. 21-01-2015.

Copy forwarded to Regional Chief Conservator of Forests, Angul Circle, Angul for favour of kind in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 446 /dt. 21-01-2015.

Copy forwarded to PCCF (Wildlife) & Chief Wildlife Warden for information and necessary action in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

AGENCY COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 30-12-2016	
Agency Name.	MS BALASORE ALLOYS LTD
Application No.	MIN119342015626
State Code.	OR
Address.	Balgopalpur,BalasoreBaleshwar
Amount(in Rs)	42915700/-
<p><b>Amount in Words</b> :Four Crore Twenty-Nine Lakh Fifteen Thousand Seven Hundred Rupees Only</p>	
<p><b>NEFT/RTGS to be made as per following details;</b></p>	
Beneficiary Name:	ORRISA CAMPA
Pay to Account No.	CAMPAORMIN119342015626
Bank Name & Address:	Union Bank of India Branch Address : 52, Sunder Nagar New Delhi, Pin 110003
IFSC Code:	UBIN0534498
<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> </ul>	

BANK COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 30-12-2016	
Agency Name.	MS BALASORE ALLOYS LTD
Application No.	MIN119342015626
State Code.	OR
Address:	Balgopalpur,Balasore Baleshwar
Amount(in Rs)	42915700/-
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Beneficiary Name:	ORRISA CAMPA
Pay to Account No.	CAMPAORMIN119342015626
Bank Name & Address:	Union Bank of India Branch Address : 52, Sunder Nagar New Delhi, Pin 110003
IFSC Code:	UBIN0534498
<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> </ul>	

After making successful payment, User Agencies may send a line of confirmation through  
Email: [ubicampa@unionbankofindia.com](mailto:ubicampa@unionbankofindia.com)





# Online Submission & Monitoring of Environmental, Forest and Wildlife Clearances -A Single Window Clearance System

14 Mar 2017 12:17:52 [Logout](#)

User Name: [Swarup]  
State: [Orissa]  
Role : [Applicant]

[My Account](#) ▾[My Proposals Environment Clearance](#) ▾[My Proposals Forest Clearance](#) ▾[My Proposals Wildlife Clearance](#) ▾[Help](#) ▾

## Online payment history made by User Agency under CAMPA

▾ [Help](#)

Sno.	Proposal Detail	Application_No	Date of IN-PRINCIPLE	Amount to be Paid/Amount Paid (in Rs.)	Payment Status	Payment Detail	Demand Letter
1	<a href="#">FP/OR/MIN/11934/2015</a> Kaliapani Chromite Mines, Village:Kaliapani,Tehsil: Sukinda, Dist. Jajpur , Odisha.	MIN119342015626	18 Nov 2016	<b>CA:</b> 23979700/- <b>PCA:</b> 0/- , <b>Safety Zone:</b> 0/- , <b>NPV:</b> 0/- , <b>Other Charges1</b> 0/- <b>Other Charges2</b> 0/- <b>Other Charges3</b> 0/- <b>Total :</b> 42915700/-	Paid	<b>Fund Demand Verified by Nodal Officer On</b> : 30 Dec 2016 <b>Bank Name</b> : Union Bank Of India <b>Mode of Payment</b> : NEFT/RTGS (Challan) <b>Challan Generated On</b> : 30 Dec 2016 <b>Transaction Date</b> : 23 Feb 2017	<a href="#">Demand Letter</a> <a href="#">Generated Challan</a>

### Disclaimer

An innovative e-Governance initiative of MoEFCC for Transparent and Responsive Governance.  
For any clarification, kindly contact at(011-24695407 or may send E-Mail monitoring-fc(at)nic(dot)in.)

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For any Technical support, Please Contact  
Environment,Forest and Climate Change Informatics Division (EFCCID),NIC,New Delhi,  
monitoring-fc(at)nic(dot)in

# BALASORE ALLOYS LIMITED



CIN-L27101OR1984PLC001354

Ref. No: BAL/ACCTS/

Date : 23 FEB 2017

The Chief Manager  
State Bank of India  
SME Branch  
Balasore Industrial Estate Branch  
Balasore

Dear Sir,

## Sub: Payment Through RTGS/NEFT

Kindly arrange to transfer a sum of Rs. 4,29,15,700/- (Rupees Four Crore Twenty Nine Lac Fifteen Thousand Seven Hundred) only through RTGS/NEFT as per the details given below by debiting our CC a/c No. 30352334031 with you towards CA Scheme Charge and Site Specific Wildlife Management Plan.

Amount : Rs. 4,29,15,700/-  
Account No : CAMPAORMIN119342015626  
Name of Party : ORRISA CAMPA ✓  
Bank Name : Union Bank Of India ✓  
52, Sunder Nagar  
New Delhi - 110003  
IFSC/RTGS Code No : UBIN0534498 ✓

Necessary bank charges also may please be debited to our above account under intimation to us.

Your kind co-operation in this regard shall be highly appreciated

Thanking you.

Yours faithfully  
For BALASORE ALLOYS LTD.

AUTHORISED SIGNATORIES

Mob: 07381095938  
UTR NO. SBINR.5201222300051075

4,29,15,700 = 00

Cam. 57 = 50

4,29,15,757 = 50

R 3202022300051075

encl - 724059 (cc)





State Bank of India,  
SME Branch Balasore (7020)  
(Formerly Balasore Industrial Estate Branch)  
Balasore-756001  
Ph.06782-266065, 262572 (F)

Letter No. RMME/SME BLS/2016-17/

Date : 23.02.2017

### TO WHOM-SO-EVER IT MAY CONCERN

Certified that the following Transfer is made in favour of ORISSA CAMPA ,Union Bank Of India ,52,Sunder Nagar ,New Delhi-110003 in A/c No.CAMPAORMINI19342015626,IFSC CODE NO- UBIN0534498 OF Rs.4,29,15,700/- ( UTR No. SBINR 52017022300051075,Dt.23/02/2017)by debiting SBI SME Branch Balasore,Odisha,Cash Credit A/c. No.30352334031 of Balasore Alloys Ltd.

This is for your information.

FOR STATE BANK OF INDIA

  
CHIEF MANAGER/RMME  
मुख्य प्रबंधक/Chief Manager  
समस्त कामों में सहायता प्राप्त 24x7-9070  
SME BRANCH BALASORE 7020

OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2340443 FAX:- 0671-2347611 Email:- dfo.cuttack@odisha.gov.in

No. 746/SF (Forest Diversion) 17/2022

Dated, Cuttack the 16 th November, 2022

To

The Managing Director,  
M/s Balasore Alloys Ltd.,  
Module C/1, 1<sup>st</sup> floor Fortune Tower,  
Chandrasekharpur, Bhubaneswar-751023

Sub: - Diversion of 64.119 of Sabik kissam Forest land as on 25.10.1980 within mining lease area of 64.463 ha, for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. in Jajpur district of Odisha.

Ref: - Memo No.22609 dt.07.11.2022 of the Principal Chief Conservator of Forests(Forest Diversion & Nodal Officer, FC Act), O/o the PCCF & HoFF, Bhubaneswar, Odisha.


Sir

In inviting a reference to the memo cited above on the captioned subject, it is to inform you that, the revised financial outlay for Compensatory Afforestation Scheme over an area of 63.949 ha of Non-Forest Government land identified in village Rahadpur under Dharmasala Tahasil pertaining to the above project has been approved by Principal Chief Conservator of Forests(Forest Diversion & Nodal Officer, FC Act), O/o PCCF & HoFF, Bhubaneswar with financial outlay for Rs. 7,84,25,600/- at the wage rate @333/- per Manday with 10 years maintenance.

In view of above, it is requested to make arrangement to deposit the differential amount Rs. 5,44,45,900.00 (Rupees Five Crore Forty-Four Lakh Forty-Five Thousand Nine Hundred) (Rs. 7,84,25,600.00 – Rs.2,39,79,700.00)only with the Adhoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e-payment module & submit the receipt of the deposition to this office for ready reference.

Further, you are once again requested to submit point wise compliance imposed in stage-I approval order by Ministry of Environment, Forest & Climate Change, Govt. of India.

Yours Faithfully

  
Divisional Forest Officer/  
Cuttack Forest Division

Copy for kind information to:

- (i)The Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the PCCF & HoFF, Bhubaneswar, Odisha.
- (ii)The Regional Chief Conservator of Forests, Angul Circle, Angul.



PAY Your Self.

50/935

को या उनके आदेश पर OR ORDER

रुपये RUPEES Five Crore Forty Four Lakh Forty Five Thousand Nine Hundred Forty Seven and Twenty Paise only.

अदा करे ₹ 5,44,45,947.20

आ. सं.  
A/c No. 40496787300

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

00378769404

CURRENT A/C

PREFIX:  
1516700003

FOR BALASORE ALLOYS LTD.

11/11/22 P. Madhukar  
Authorised Signatory

BALASORE ALLOYS LTD

MULTI-CITY CHEQUE Payable at Head Office (Head Office of SBI)

\*\*836873\*\* 7560020031

006822\*\* 29

Dear Sir,

Sub: Transfer of fund thru RTGS/NEFT

Please arrange to transfer a sum of **Rs. 5,44,45,900/- (Rupees Five Crore Forty Four Lac Forty Five Thousand Nine)** only through **RTGS/NEFT** as per details given below by debiting our **TRA A/C No. 40496787300** with you towards **Sukunda Mines Govt Payments for Forest Officer.**

Amount : **Rs. 5,44,45,900/-**

Account No : **150825811934893**

Name of Party : **ORRISA CAMPA**

Bank Name : **UNION BANK OF INDIA  
FCS BRANCH, BENGALURU.**

IFSC/RTGS Code No : **UBIN0996335**

Necessary bank charges also may please be debited to our above account under intimation to us.

Your kind co-operation in this regard shall be highly appreciated.

Thanking you.

Yours faithfully  
For Balasore Alloys Ltd.

-----SD-----

Rs. **5,44,45,900.00**  
B/C. RS. 47.20TOTAL RS. **5,44,45,947.20**Authorised Signatories  
Mob: **07381095946**

UTR NO. SBIN..... 52002211515089819

FOR BALASORE ALLOYS LTD. 836873

P. Madhukar 11/11/22  
Authorised Signatories



Date : 15 Nov 2022  
 Account Number : 00000040496787300  
 Description : CA-REGULAR-PUB-OTH-ALL-INR  
 Name : BALASORE ALLOYS LTD  
 Currency : INR  
 Corporate Address : AT-BALGOPALPUR PO-BALGOPALPUR DIST-BALASORE  
 Baleshwar  
 21-756020

Branch : BALASORE I.E.(07020)

Rate of Interest (% p.a.) : 0.0%

IFS Code : SBIN0007020

Book Balance : 61285664.86

Available Balance : 61285664.86

Hold Value : 0.00

MOD Balance : 0.00

Uncleared Amount : 0.00

Balance as on 15 Nov 2022 : 13,08,87,835.42

**Account Statement from 15 Nov 2022 to 15 Nov 2022**

Txn Date	Value Date	Description	Ref No./Cheque No.	Branch Code	Debit	Credit	Balance
15/11/2022	15/11/2022	CHEQUE BOOK ISSUE CHARGE-38976288	/ 38976288	7020	385.00		13,08,86,950.42
15/11/2022	15/11/2022	CHEQUE BOOK ISSUE CHARGE-38976288	/ 38976288	7020	1,062.00		13,08,85,888.42
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TR-837224	/ 837224	7020	62,422.00		13,08,23,466.42
15/11/2022	15/11/2022	CHQ TRANSFER-RTGS UTR NO: SBINR52022111515041991-836875 ORRISA CAMPA	/ 836875 ORRISA CAMPA	7020	20,15,116.20		12,88,08,350.22
15/11/2022	15/11/2022	CHQ TRANSFER-NEFT UTR NO: SBIN122319571542-836874 ORRISA CAMPA	/ 836874 ORRISA CAMPA	7020	1,02,984.16		12,87,05,366.06
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TRF-836887	/ 836887	7020	39,56,714.00		12,47,48,652.06
15/11/2022	15/11/2022	CHQ TRANSFER-RTGS UTR NO: SBINR52022111515088819-836873 ORRISA CAMPA	/ 836873 ORRISA CAMPA	7020	5,44,45,947.20		7,03,02,704.86
15/11/2022	15/11/2022	CREDIT--	/	7020		5,31,919.00	7,08,34,623.86
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TR-836885	/ 836885	7020	95,48,959.00		6,12,85,664.86

\*\*This is a computer generated statement and does not require a signature.





OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION  
GHATAKULA, NUAPADA, CUTTACK-753010

No. 4732 / 5F (Misc)/2015

Dated, Cuttack the 19<sup>th</sup> May, 2015

To

The Vice President (Mines)  
Ispat Sukinda Chromite Mines of M/s Balasore Alloys Ltd.  
At/Po-Kaliapani, Dist-Jajpur.

Sub: - Guidelines regarding prior approval of Central Government under the Forest (Conservation) Act, 1980 for areas falling in the mining leases which were or are recorded as forest in the Government record on or after the day the FC Act came for use of forest land falling in such mining leases for mining purposes, such areas were treated as non-forest.

X-Sub- Payment of NPV for the forest kissam land as on 25.10.1980 and treated as non-forest Hal Settlement records in respect of Chromite Mines of M/s Balasore Alloys Ltd. .

Ref: - (i) Memo No.5417 dt.30.03.2015 of Govt. of Odisha, F&E Deptt.  
(ii) F No.8-78/199-FC(pt.) , GoI, MoEF & CC.  
(iii) Memo No.7031 dt.20.04.2015 of the PCCF, Odisha.  
(iv) Your letter No.BAL/Mines/2024 dt.16.04.2015.

Sir,

In pursuance to the letters cited above on the captioned subject, you are requested to make arrangement for payment of Net Present Value (NPV) in respect of Chromite Mines of M/s Balasore Alloys Ltd as calculated below:-

- |      |   |                  |
|------|---|------------------|
| i)   | Total M.L area – 64.463 ha.   |                  |
| ii)  | Forest area as per Hal Settlement Record which is diverted  |                  |
|      | NIL–NPV amount paid   | NIL              |
| iii) | Forest area as on 25.10.1980 out of the non-forest area   |                  |
|      | (as per report of the Tehsildar, Sukinda vide his Letter No. 2837 dt. 20.04.2014) 23.80 ha. and amount required for |                  |
|      | Payment @ Rs.730000/- (Eco-Value Class –I , canopy density below 0.4 )  | Rs.4,68,06,870/- |

Hence you are requested to make arrangement for payment of the amount of Rs.4,68,06,870/- (Rupees Four crore Sixty eight lakh Six thousand Eight hundred Seventy) only in favour of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through RTGS /NEFT mode in Corporation Bank, Lodhi Complex Branch, New Delhi-110003 (RTGS /IFSC No. CORP0000371, S.B Account No.SB01025222) and submit the receipt in original as a token of evidence to this office for the needful. The above amount require to be deposited within 30 days from issue of this letter positively alongwith an under taking for payment of the differential amount in case of upward rise of the rate of NPV.

Yours faithfully,

  
Divisional Forest Officer  
Cuttack Forest Division

P.T.O.

Memo No 4733 Date 19.05.2015


Copy forwarded to the Addl. Pr.CCF (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar with reference to memo no. 7031 dt.20.04.2015 of the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action.

  
18/5/2015  
Divisional Forest Officer  
Cuttack Forest Division

Memo No 4734 Date 19.05.2015

Copy forwarded to the Regional Chief Conservator of Forests, Angul with reference to memo no. 7031 dt.20.04.2015 the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action.

Copy to N.P.V File

  
18/5/2015  
Divisional Forest Officer  
Cuttack Forest Division



OFFICE OF THE  
DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION  
GHATAKULA, NUAPADA, CUTTACK-753010

Memo No. 8245 / 5F (Misc)/2015


Dated, Cuttack the 26<sup>th</sup> September, 2015.

To

The Addl. Principal Chief Conservator of Forests,  
Forest Diversion and Nodal Officer, FC Act,  
O/O the PCCF, Odisha, Bhubaneswar.

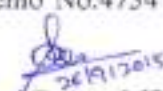
- Sub: - Guidelines regarding prior approval of Central Government under the Forest (Conservation) Act, 1980 for areas falling in the mining leases which were or are recorded as forest in the Government record on or after the day the FC Act came for use of forest land falling in such mining leases for mining purposes, such areas were treated as non-forest.
- X-Sub- Payment of NPV for the forest kissam land as on 25.10.1980 and treated as non-forest Hal Settlement records in respect of Chromite Mines of M/s Balasore Alloys Ltd.
- Ref: - This office Memo No.4733 dt.19.05.2015.

With reference to the above captioned subject, I am to inform you that as per demand raised vide this office Memo No.4732 dt.19.05.2015 the user agency has deposited an amount of **Rs.4,68,06,870/-** (*Rupees Four Crore Sixty Eight lakh Six thousand Eight hundred Seventy*) only being the Net Present Value (NPV) for the forest kissam land as on 25.10.1980 which was treated as non-forest land in Hal settlement through RTGS in favour of Ad-hoc body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) RTGS No.**SBIN52015092320284420** with the Corporation Bank, New Delhi. The RTGS receipt for the above deposited amount is enclosed herewith for favour of kind information and necessary action.

  
26/9/2015  
Divisional Forest Officer,  
Cuttack Forest Division.

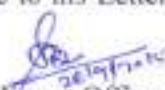
Memo No. 8246 /dt. 26.09.2015

Copy forwarded to the Regional Chief Conservator of Forests, Angul Circle for favour of kind information and necessary action in continuation to this office Memo No.4734 dt. 19.05.2015.

  
26/9/2015  
Divisional Forest Officer  
Cuttack Forest Division

Memo No. 8247 /dt. 26.09.2015

Copy forwarded to the Vice President (Mines) Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. At/Po-Kaliapani, Dist-Jajpur for information with reference to his Letter No.BAL/Mine/2980 dt.21.09.2015.

  
26/9/2015  
Divisional Forest Officer  
Cuttack Forest Division



भारतीय स्टेट बैंक  
State Bank of India

The Banker to Every Indian

Print Back

Account Statement for the period 23/9/2015 to 23/9/2015

Account Number	00000030352334031	Description	CC Stocks (C and I)
Name	BALASORE ALLOYS LTD	Currency	INR
Corporate Address	BALGOPALPUR, BALASORE BALASORE, ORISSA - 756020	Branch	BALASORE I.E. (07020)
Rate of Interest (% p.a.)	14.7%	IFS Code	SBIN0007020
Book Balance	-14,73,97,398.02	Available Balance	2,52,02,601.98
Hold Value	0.00	Uncleared Amount	0.00
Drawing Power	17,26,00,000.00	Limit Sanctioned	17,26,00,000.00
Balance as on	-9,25,25,292.02		

Date (Value Date)	Narration	Ref / Cheque No.	Branch Code	Debit	Credit	Balance
23-Sep-15 (23-Sep-2015)	CHQ TRANSFER RTGS SBINR52015092320284420 COMPENSATORY AFFORESTA 552426	552426	7020	4,68,06,926.00		-13,93,32,218.02
23-Sep-15 (23-Sep-2015)	CHQ TRANSFER RTGS SBINR52015092320289376 VALECHA ENGINEERING LT 552473	552473	7020	60,00,056.00		-14,43,32,274.02
23-Sep-15 (23-Sep-2015)	CHQ TRANSFER RTGS SBINR52015092320289928 CREDENCE LOGISTICS LTD 552481	552481	7020	15,00,056.00		-14,58,32,330.02
23-Sep-15 (23-Sep-2015)	CHQ TRANSFER RTGS SBINR52015092320289225 KANDOI TRANSPORT LTD 552514	552514	7020	15,65,068.00		-14,73,97,398.02

Print Back





Fw: Payment Details by Balasore Alloys for Kalinapni Chromite Mine for NPV of 64.119 ha forest land in MI area of 64.463 ha - CAMPA

Sankar Gangopadhyay to: dfo.cuttackforestdivision  
Cc: Suryakanta Pradhan, Subhramanyu Kund

09/23/2015 02:49 PM

Sir

Pl find attached the Bank statement copy for NPV payment for our 64.463 ha ML ( paid for 64.119 ha forest land)

Regards

23-Sep-15	CHQ TRANSFER 552426 RTGS SBINR52015092320284420 COMPENSATORY AFFORESTATION	4,68,06,926.00
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State Bank of India(CC 23).pdf

137400-1  
G-1252/1-18

OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION,  
VI - GHATAKULA, NUAPADA, CUTTACK, 753016  
Tel: 0671-2957611 FAX: - 0671-2347611 Email: dfo.cuttack@odisha.gov.in  
No. 4732/3-CC (Forest Diversion) 17/2022  
Dated, Cuttack, the 29<sup>th</sup> July, 2022.

To: The Authorized Signatory,  
Kaliapani Chromite Mines of M/s Balasore Alloys,  
At/ Po- Kaliapani, Dist-Jajpur

Subj: Diversion of 64.119 of Sabik kissam Forest land as on 25.10.1980 within  
mining lease area of 64.463 ha, for Chromite mining in Kaliapani Chromite  
Mines of M/s Balasore Alloys Ltd. in Jajpur district of Odisha.

Ref: 1. Letter No. F.No.8-14/2016-FC Dt.18.11.2016 of Govt. of India, MoEF &  
CC,  
2 Letter No. 5-3/2011-FC (Vol-I) dt. 06.01.2022 of Govt. of India, MoEF &  
CC,  
3. This Office letter No. 4732 dt.19.05.2015.

Sir,  
In inviting a reference to the letter cited above on the captioned subject, it is to  
inform you that Govt. of India, MoEF & CC vide their letter under reference (2) have revised  
the rates of Net Present Value (NPV) as per order dt.28.03.2008 of Hon'ble Supreme Court in  
Writ Petition (Civil) No. 202 of 1996 in the matter of T.N. Godavarman Thirumalpad vs.  
Union of India. Diversion of 64.119 of Sabik kissam Forest land as on 25.10.1980 within  
mining lease area of 64.463 ha, for Chromite mining in Kaliapani Chromite Mines of M/s  
Balasore Alloys Ltd. in Jajpur district of Odisha had been accorded stage-I approval order  
before 06.01.2017.

In this connection, it is requested to pay the differential amount of Net Present  
Value (NPV) of Forest area proposed to be diverted under this proposal as per the orders of  
Hon'ble Supreme Court of India.

The NPV amount is calculated below:-

- (i) The Forest area proposed for diversion- 64.119 ha
- (ii) Eco- Value Class-I, density of vegetation below 0.4
- (iii) The NPV to be paid @ Rs. 11, 16,900,00/- per Ha. = 64.119 ha. X 11,16,900/-  
= Rs. 7, 16, 14,511.10/-  
Or Rs. 7, 16, 14,511.00/-

**(Rupees Seven Crore Sixteen Lakh Fourteen Thousand Five Hundred Eleven) Only.**

In view of above, it is requested to make arrangement to deposit the balance  
amount of Rs. 2, 48, 07,641.00 (Rupees Two Crore Forty-Eight Lakh Seven Thousand Six  
Hundred Forty One) only (Rs. 7, 16, 14,511.00 - Rs.4, 68, 06,870.00 paid earlier) with the  
Advisory body of Compensatory Afforestation Fund Management & Planning Authority  
(CAMPFA) through e- payment module & submit the receipt of the deposition to this office  
for ready reference.

(P.T.O.)



Besides, you are requested to make point-wise compliance of all other conditions imposed in Stage-I approval order.




Yours faithfully,

  
Divisional Forest Officer,  
Cuttack Forest Division

62/19/22

Copy submitted for kind information to:

1. The Regional Chief Conservator of Forests, Angul Circle, Angul.
2. The Conservator of Forests (Nodal), O/o- the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.

Sno.	Proposal Detail	Application No	Date of CN- Amount to be Paid/Amount Paid [in PHEM/CPL No.]	Payment Status	Payment Detail	Demand Letter
1	PP/CR/MIN/1934/2015 [./viewreport.aspx?pid=PP/CR/MIN/1934/2015] Kalegaon Chromite Mines, Mhega-Kalegaon, Tehsil: Suband, Dist: Jajpur, Odisha.	MIN1934201589318 Nov 2016	CA: 0/-, Add CA: 0/- PCCA: 0/-, CRT: 0/- Safety Zone: 0/-, Add PA: 0/- NPU: 2482794/- Total: 2482794/-		Fund Demand Verified by: 07 Oct 2017 Model officer On Bank Name: Union Bank of India Mode of Payment: NEFT/RTGS (Challan) Challan Generated: 07 Oct 2017 Transaction Date: 18 Oct 2017	Demand Letter [./viewreport.aspx?pid=PP/CR/MIN/19342015_User_Fund_Demand_S1862.pdf] Generated Challan [./UserAccount/req_Challan.aspx?pid=MIN1934201589318]
2	PP/CR/MIN/1934/2015 [./viewreport.aspx?pid=PP/CR/MIN/1934/2015] Kalegaon Chromite Mines, Mhega-Kalegaon, Tehsil: Suband, Dist: Jajpur, Odisha.	MIN1934201526818 Nov 2016	CA: 0/-, Add CA: 0/- PCCA: 0/-, CRT: 0/- Safety Zone: 0/-, Add PA: 0/- NPU: 0/-, AGALIST 1.5 TIMES 12200/- OF SAFETY ZONE Total: 12200/-		Fund Demand Verified by: 18 Mar 2017 Model Officer On Bank Name: Cooperative Bank Mode of Payment: NEFT/RTGS (Challan) Challan Generated: 18 Mar 2017 Transaction Date: 21 Mar 2017	Demand Letter [./viewreport.aspx?pid=PP/CR/MIN/1934201526818_DemandLetter_22408.pdf] Generated Challan [./UserAccount/req_Challan.aspx?pid=MIN1934201526818]
3	PP/CR/MIN/1934/2015 [./viewreport.aspx?pid=PP/CR/MIN/1934/2015] Kalegaon Chromite Mines, Mhega-Kalegaon, Tehsil: Suband, Dist: Jajpur, Odisha.	MIN1934201560418 Nov 2016	CA: 2097500/-, Add CA: 0/- PCCA: 0/-, CRT: 0/- Safety Zone: 0/-, Add PA: 0/- NPU: 0/-, Site Specific Conservation 1020000/- Total: 4291500/-		Fund Demand Verified by: 30 Dec 2016 Model Officer On Bank Name: Union Bank of India Mode of Payment: NEFT/RTGS (Challan) Challan Generated: 30 Dec 2016 Transaction Date: 23 Feb 2017	Demand Letter [./viewreport.aspx?pid=PP/CR/MIN/1934201560418_DemandLetter.pdf] Generated Challan [./UserAccount/req_Challan.aspx?pid=MIN1934201560418]



(HTTPS://SWACHHBHARAT.MYGOV.IN/)



(HTTP://WWW.DIGITALINDIA.GOV.IN/)



(HTTPS://DATA.GOV.IN/)

(HTTP://WWW.PMININDIA.GOV.IN/EN/)



(HTTP://WWW.MIC.IN/)



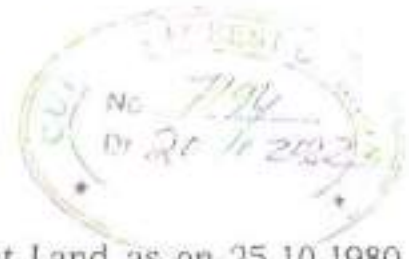




ST/TOR/1984/PLC/001354

Date: 19.10.2022

17/10/2022  
19.10.2022  
The Divisional Forest Officer  
Cuttack Forest Division  
Cuttack



\* Sub: Diversion of 64.119 Ha of Sabik Kissam Forest Land as on 25.10.1980 within mining lease of 64.463 Ha, for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. in Jajpur district of Odisha.  
- **Regarding payment of differential amount of NPV.**

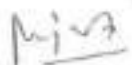
Ref: Your good office letter dated 2<sup>nd</sup> July 2022.

Sir,

With reference the above subject we have deposited the differential NPV of amount of Rs 2,48,07,641.00/- (Rupees Two Crore Forty-Eight Lakhs Seven thousand Six hundred Forty-One) only through RTGS no. UBIN0996335 on dated 18<sup>th</sup> October 2022. The detailed is attached herewith for your kind reference.

This is for your kind information please.

Thanking You  
Yours faithfully

  
Authorized Signatory  
For Balasore Alloys Limited.

SHRI

FOR DEPOSIT ONLY  
DATE: 11/11/2011  
AMOUNT: 2,48,07,641.00  
RTGS/NEFT A/C NO.

Dear Sir

Sub: Transfer of fund from RTGS/NEFT

Please allow to be transferred a sum of Rs.2,48,07,641/- (Rupees Two Crore Forty Eight Lac Seven Thousand Six Hundred Forty One) only through RTGS/NEFT to your debit account below by debiting the TRA A/C No. 40496787300 and credited Sukunda Mines Govt Payments.

Amount : Rs. 2,48,07,641/-  
Account No : 150825811934893  
Name of Party : ORRISA CAMPA  
Bank Name : SBI, BRANCH OF BILGA  
FCS BRANCH, BENGALURU

IFSC/RTGS Code No : UBIN0996335

Respective bank charges and may please be debited to our account under the name of

Shri Bank of India, Bengaluru, for the above mentioned

Thank you

Yours faithfully,  
For: Balaram Allays Ltd.

Rs. 2,48,07,641.00  
BIC: SBIN  
4720

TOTAL RS. 2,48,07,688.20

Mobile: 02181095246

UTP & SON



150825811934893



# BALASORE ALLOYS LIMITED



CIN-L27101OR1984PLC001354

Ref. No: BAL/ACCTS/

Date : 23 FEB 2017

The Chief Manager  
State Bank of India  
SME Branch  
Balasore Industrial Estate Branch  
Balasore

Dear Sir,

## Sub: Payment Through RTGS/NEFT

Kindly arrange to transfer a sum of Rs. 4,29,15,700/- (Rupees Four Crore Twenty Nine Lac Fifteen Thousand Seven Hundred) only through RTGS/NEFT as per the details given below by debiting our CC a/c No. 30352334031 with you towards CA Scheme Charge and Site Specific Wildlife Management Plan.

Amount : Rs. 4,29,15,700/-  
Account No : CAMPAORMIN119342015626  
Name of Party : ORRISA CAMPA  
Bank Name : Union Bank Of India  
52, Sunder Nagar  
New Delhi - 110003  
IFSC/RTGS Code No : UBIN0534498

Necessary bank charges also may please be debited to our above account under intimation to us.

Your kind co-operation in this regard shall be highly appreciated

Thanking you.

Yours faithfully  
For BALASORE ALLOYS LTD.

AUTHORISED SIGNATORIES

Mob: 07381095938  
UTR NO. SBINR.5201222300051075

4,29,15,700 = 10

Cam. 57 = 50

4,29,15,757 = 50

R 3202022300051075

encl - 724059 (cc)



State Bank of India,  
SME Branch Balasore (7020)  
(Formerly Balasore Industrial Estate Branch)  
Balasore-756001  
Ph.06782-266065, 262572 (F)

Letter No. RMME/SME BLS/2016-17/

Date : 23.02.2017

### TO WHOM-SO-EVER IT MAY CONCERN

Certified that the following Transfer is made in favour of ORISSA CAMPA ,Union Bank Of India ,52,Sunder Nagar ,New Delhi-110003 in A/c No.CAMPAORMINI19342015626,IFSC CODE NO- UBIN0534498 OF Rs.4,29,15,700/- ( UTR No. SBINR 52017022300051075,Dt.23/02/2017)by debiting SBI SME Branch Balasore,Odisha,Cash Credit A/c. No.30352334031 of Balasore Alloys Ltd.

This is for your information.

FOR STATE BANK OF INDIA

  
CHIEF MANAGER/RMME  
मुख्य प्रबंधक/Chief Manager  
समस्त काम में सहायता प्राप्त २०१७-१८  
SME BRANCH BALASORE 7020



OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION  
GHATAKULA, NUAPADA, MADHUPATNA, CUTTACK-753010  
 E-mail ld-dfo.cuttackforestdivision@yahoo.com, Fax-0671-2347611

No 1220 /5F

Dated, Cuttack the 16 th February, 2017

To

The Vice President, Corporate Affaires  
 M/s Balasore Alloys Ltd., Bhubaneswar.

Sub :-

Proposal for diversion of 64.119 ha. of Sabik kissam forest land as on 25.10.1980 within total mining lease area of 64.463 ha. for Chromite mining in their Kaliapani Chromite mines of M/s Balasore Alloys Ltd. in Jajpur District, Odisha under Cuttack Forest Division.

Ref: -

Memo No.474 dt.28.01.2017 of the RCCF, Angul.

Sir,

Please refer to the letter cited above of the Govt. of India, MoEF & CC wherein Stage-I (in principle) approval order has been accorded by Govt. of India, MoEF & CC for diversion of 64.119 ha. of Sabik kissam forest land for Kaliapani Chromite Mines by M/s Balasore Alloys Ltd. in Jajpur district subject to fulfillment of certain conditions.

For compliance of **condition No.2.xi** imposed in the aforesaid Stage-I order an amount of **Rs.1,22,400/-** the approved financial outlay for Afforestation on degraded forest land over one and half time safety zone is to be paid by the User Agency.

Hence, you are requested to deposit the above funds with the Adhoc body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through **e-payment module** and submit the receipt of the deposit to this office for ready reference.

Yours faithfully,

  
 Divisional Forest Officer  
 Cuttack Forest Division

Memo No \_\_\_\_\_ /Date

Copy submitted to the Regional Chief Conservator of Forests, Angul Circle, Angul for favour of kind information and necessary action with reference to his Memo No.474 dt.28.01.2017.

Divisional Forest Officer  
 Cuttack Forest Division

Memo No \_\_\_\_\_ /Date

Copy submitted to the Addl. Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action with reference to Memo No.475 dt.28.01.2017 of the RCCF, Angul.

Divisional Forest Officer  
 Cuttack Forest Division

AGENCY COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 18-03-2017	
Agency Name.	MS BALASORE ALLOYS LTD
Application No.	MIN119342015328
Location.	ORRISA
Address.	Balgopalpur,BalasoreBaleshwar
Amount(in Rs)	122400/-
Amount in Words :One Lakh Twenty-Two Thousand Four Hundred Rupees Only	
NEFT/RTGS to be made as per following details;	
Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	15082MIN119342015328
Bank Name & Address:	Corporation Bank FCS Bangalore 21/1, 3rd floor Jellita Towers Mission Road Bangalore -560027
<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> </ul>	

BANK COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 18-03-2017	
Agency Name.	MS BALASORE ALLOYS LTD
Application No.	MIN119342015328
Location.	ORRISA
Address:	Balgopalpur,Balasore Baleshwar
Amount(in Rs)	122400/-
Amount in Words :One Lakh Twenty-Two Thousand Four Hundred Rupees Only	
NEFT/RTGS to be made as per following details;	
Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	15082MIN119342015328
Bank Name & Address:	Corporation Bank FCS Bangalore 21/1, 3rd floor Jellita Towers Mission Road Bangalore -560027
<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> </ul>	

After making successful payment, User Agencies may send a line of confirmation through  
Email: [helpdeskampa@corpbank.co.in](mailto:helpdeskampa@corpbank.co.in)





Ref: BAL/MINES/4170

Dated: 21.3.2017

The Divisional Forest Officer,  
Cuttack Forest Division,  
Ghatkulia, Nuapada, Cuttack.

Sub: Guideline regarding prior approval of Central Government under the Forest (Conservation) Act, 1980 for areas falling in the mining leases which were or are recorded as forest in the Government record on or after the day the FC Act came for use of forest land falling in such Mining Leases for mining purposes, such areas were treated as Non-Forest.: **Regarding Confirmation of payment.**

Ref No: Memo No.1220/SF (Misc) dated 16<sup>th</sup> February, 2017

Dear Sir,

With reference to the above mentioned subject, we would like to inform you that payment of Rs 1, 22,400/- ( One lakh Twenty Two Thousand Only) has been made in favour Orissa CAMPA, Corporation Bank of India, FCS Bangalore 21-1, in A/c No 1508 MIN 119342015321(details attached as Annexure-1) towards development of Compensatory Afforestation over 0.255 ha of degraded land selected at Mahagiri DPF against the Safety zone area involved in compliance to the condition no 2.xi of Stage-1 Clearance order issued in respect of Kallipani Chromite Mines of M/s Balasore Alloys Ltd.

This is for your kind information and needful action. Requesting you to kindly acknowledge the same.

Thanking you with Regards

Yours faithfully

For Balasore Alloys Ltd

Swarup Panda  
Vice-President (Corporate Affairs)

Encl. As above



State Bank of India,  
SME Branch Balasore (7020)  
(Formerly Balasore Industrial Estate Branch)  
Balasore-756001  
Ph.06782-266065, 262572 (F)

Letter No. RMME/SME BLS/2016-17/

Date : 21.03.2017

## TO WHOM-SO-EVER IT MAY CONCERN

Certified that the following Transfer is made in favour of ORISSA CAMPA Corporation Bank Of India, PCS Bangalore 21-1, Mission Road, Bangalore-560027, in A/c No.1508MTN119342015328, IFSC CODE NO-CORP0000633 OF Rs.1,22,400/- (UTR No. SBINR 417080529467, Dt.21/03/2017) by debiting SBI SME Branch Balasore, Odisha, Cash Credit A/c. No.30352334031 of Balasore Alloys Ltd.

This is for your information.

CHIEF MANAGER/RMME





OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2340443 FAX: - 0671-2347611 Email:- dfo.cuttack@odisha.gov.in

No. 74/6 /5F (Forest Diversion) 17 /2022

Dated, Cuttack the 10 th November, 2022

To

The Managing Director,  
M/s Balasore Alloys Ltd.,  
Module C/I, 1<sup>st</sup> floor Fortune Tower,  
Chandrasekharpur, Bhubaneswar-751023

Sub:- Diversion of 64.119 of Sabik kissam Forest land as on 25.10.1980 within mining lease area of 64.463 ha, for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. in Jajpur district of Odisha. **Approval of schemes for 1.5 times of safety zone.**

Ref:- Memo No.4662 dt.04.11.2022 of the Regional Chief Conservator of Forests, Angul Circle, Angul to your address.

Sir

In inviting a reference to the memo cited above on the captioned subject, it is to inform you that, as per the condition No.(xi)(b) of stage-1 approval order, one scheme for Afforestation on degraded forest land over one and half times of the area under safety zone identified inside Mahagiri DPF has been approved by the Regional Chief Conservator of Forests, Angul Circle, Angul with financial outlay for Rs. 2,25,370.00/- at the wage rate @333/- per Manday with 10 years maintenance.


In view of above, it is requested to make arrangement to deposit the amount Rs. 1,02,970.00 (Rupees One Lakh Two Thousand Nine Hundred Seventy) (Rs. 2,25,370.00- Rs.1,22,400.00) only with the Adhoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e- payment module & submit the receipt of the deposition to this office for ready reference.

Further, you are once again requested to submit point wise compliance imposed in stage-1 approval order by Ministry of Environment, Forest & Climate Change, Govt. of India.

This is for information and an early action

Encl: - As above.

Yours Faithfully

  
Divisional Forest Officer  
Cuttack Forest Division

Copy for kind information to:

- (i) The Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the PCCF & HoFF, Bhubaneswar, Odisha.
- (ii) The Regional Chief Conservator of Forests, Angul Circle, Angul.

# BALASORE ALLOYS LIMITED



CIN-L27101OR1984PLC001354

**BAL GSTN NO.21AAACI3967P1Z9 & PAN NO.AAACI3967P**  
**LEI NUMBER 335800AOBD9P35VQKB47 VALID TILL 15 FEB-2023**

Ref. No. : BALB/F & A/  
Date :

To

**The Chief Manager**  
State Bank of India  
SME Branch,  
Balasore Industrial Estate  
Balasore-756001

Dear Sir,

Sub: Transfer of fund thru RTGS/NEFT

Please arrange to transfer a sum of **Rs.1,02,971/- (Rupees One Lac Two Thousand Nine Hundred Seventy One)** only through **RTGS/NEFT** as per details given below by debiting our **TRA A/C No. 40496787300** with you towards **Sukunda Mines Govt Payments for Forest Officer.**

**Amount : Rs. 1,02,971/-**  
**Account No : 150825811934893**  
**Name of Party : ORRISA CAMPA**  
**Bank Name : UNION BANK OF INDIA**  
**FCS BRANCH, BENGALURU,**

**IFSC/RTGS Code No : UBIN0996335**

Necessary bank charges also may please be debited to our above account under intimation to us.

Your kind co-operation in this regard shall be highly appreciated.

Thanking you.

Yours faithfully  
For Balasore Alloys Ltd.

-----SD-----

**Rs. 1,02,970.00**  
**B/C. RS. 14.16**

**TOTAL RS. 1,02,984.16**

Authorised Signatories  
**Mob: 07381095946**

**UTR NO. SBIN. 122319571542**  
**For BALASORE ALLOYS LTD**  
**CHEQUE NO. 1111111111**  
**Authorised Signatories**







Date : 15 Nov 2022  
 Account Number : 00000040496787300  
 Description : CA-REGULAR-PUB-OTH-ALL-INR  
 Name : BALASORE ALLOYS LTD  
 Currency : INR  
 Corporate Address : AT-BALGOPALPUR PO-BALGOPALPUR DIST-BALASORE  
 Baleshwar  
 21-756020

Branch : BALASORE I.E.(07020)

Rate of Interest (% p.a.) : 0.0%

IFS Code : SBIN0007020

Book Balance : 61285664.86

Available Balance : 61285664.86

Hold Value : 0.00

MOD Balance : 0.00

Uncleared Amount : 0.00

Balance as on 15 Nov 2022 : 13,08,87,835.42

**Account Statement from 15 Nov 2022 to 15 Nov 2022**

Txn Date	Value Date	Description	Ref No./Cheque No.	Branch Code	Debit	Credit	Balance
15/11/2022	15/11/2022	CHEQUE BOOK ISSUE CHARGE-38976288	/ 38976288	7020	✓ 385.00		13,08,86,950.42
15/11/2022	15/11/2022	CHEQUE BOOK ISSUE CHARGE-38976288	/ 38976288	7020	✓ 1,062.00		13,08,85,888.42
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TR-837224	/ 837224	7020	✓ 62,422.00		13,08,23,466.42
15/11/2022	15/11/2022	CHQ TRANSFER-RTGS UTR NO: SBINR52022111515041991-836875 ORRISA CAMPA	/ 836875 ORRISA CAMPA	7020	✓ 20,15,116.20		12,88,08,350.22
15/11/2022	15/11/2022	CHQ TRANSFER-NEFT UTR NO: SBIN122319571542-836874 ORRISA CAMPA	/ 836874 ORRISA CAMPA	7020	✓ 1,02,984.16		12,87,05,366.06
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TRF-836887	/ 836887	7020	✓ 39,56,714.00		12,47,48,652.06
15/11/2022	15/11/2022	CHQ TRANSFER-RTGS UTR NO: SBINR52022111515088819-836873 ORRISA CAMPA	/ 836873 ORRISA CAMPA	7020	✓ 5,44,45,947.20		7,03,02,704.86
15/11/2022	15/11/2022	CREDIT--	/	7020		✓ 5,31,919.00	7,08,34,623.86
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TR-836885	/ 836885	7020	✓ 95,48,959.00		6,12,85,664.86

**\*\*This is a computer generated statement and does not require a signature.**



OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2340443 FAX:- 0671-2347611 Email:- dfo.cuttack@odisha.gov.in

No. 7412/5F (Forest Diversion) 17 /2022

Dated, Cuttack the 10 th November, 2022

To

The Managing Director,  
M/s Balasore Alloys Ltd.,  
Module C/I, 1<sup>st</sup> floor Fortune Tower,  
Chandrasekharapur, Bhubaneswar-751023

Sub: - Diversion of 64.119 of Sabik kissam Forest land as on 25.10.1980 within mining lease area of 64.463 ha, for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. in Jajpur district of Odisha.

Ref: - Memo No.4662 dt.04.11.2022 of the Regional Chief Conservator of Forests, Angul Circle, Angul to your address.

Sir

In inviting a reference to the memo cited above on the captioned subject, it is to inform you that, as per the condition No. xxvi of stage-1 approval order, the scheme for plantation over degraded forest land within 100 meters from the outer perimeter of the mining lease area of Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. has been approved by the Regional Chief Conservator of Forests, Angul Circle, Angul with financial outlay for Rs. 20,15,069.00/- at the wage rate @333/- per Manday with 10 years maintenance.

In view of above, it is requested to deposit the amount Rs. 20,15,069.00 (Rupees Twenty Lakh Fifteen Thousand Sixty-Nine) only with the Adhoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e-payment module & submit the receipt of the deposition to this office for ready reference.

Further, you are once again requested to submit point wise compliance imposed in stage-1 approval order by Ministry of Environment, Forest & Climate Change, Govt. of India.

Yours Faithfully

  
Divisional Forest Officer  
Cuttack Forest Division

Copy for kind information to:

- (i) The Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the PCCF & HoFF, Bhubaneswar, Odisha.
- (ii) The Regional Chief Conservator of Forests, Angul Circle, Angul.



# BALASORE ALLOYS LIMITED



CIN-L27101OR1984PLC001354

**BAL GSTN NO.21AAACI3967P1Z9 & PAN NO.AAACI3967P**  
**LEI NUMBER 335800AOBD9P35VQKB47 VALID TILL 15 FEB-2023**

Ref. No. : BALB/F & A/

Date :

To

**The Chief Manager**  
State Bank of India  
SME Branch,  
Balasore Industrial Estate  
Balasore-756001

Dear Sir,

Sub: Transfer of fund thru RTGS/NEFT

Please arrange to transfer a sum of **Rs.20,15,069/- (Rupees Twenty Lac Fifteen Thousand Sixty Nine)** only through **RTGS/NEFT** as per details given below by debiting our **TRA A/C No. 40496787300** with you towards **Sukunda Mines Govt Payments for Forest Officer.**

**Amount : Rs. 20,15,069/-**  
**Account No : 150825811934893**  
**Name of Party : ORRISA CAMPA**  
**Bank Name : UNION BANK OF INDIA**  
**FCS BRANCH, BENGALURU.**

**IFSC/RTGS Code No : UBIN0996335**

Necessary bank charges also may please be debited to our above account intimating to us.

Your kind co-operation in this regard shall be highly appreciated

Thanking you.

Yours faithfully  
For Balasore Alloys Ltd.

-----SD-----

**Rs. 20,15,069.00**  
B/C. RS. **47.20/-**

**TOTAL RS. 20,15,116.20**

Authorised Signatories  
**Mob: 07381095946**

**UTR NO. SBIN.RS.2022111515041991**

**BALASORE ALLOYS LTD. 836875**

  
Authorised Signatories





Date : 15 Nov 2022  
 Account Number : 00000040496787300  
 Description : CA-REGULAR-PUB-OTH-ALL-INR  
 Name : BALASORE ALLOYS LTD  
 Currency : INR  
 Corporate Address : AT-BALGOPALPUR PO-BALGOPALPUR DIST-BALASORE  
 Baleshwar  
 21-756020

Branch : BALASORE I.E.(07020)

Rate of Interest (% p.a.) : 0.0%

IFS Code : SBIN0007020

Book Balance : 61285664.86

Available Balance : 61285664.86

Hold Value : 0.00

MOD Balance : 0.00

Uncleared Amount : 0.00

Balance as on 15 Nov 2022 : 13,08,87,835.42

**Account Statement from 15 Nov 2022 to 15 Nov 2022**

Txn Date	Value Date	Description	Ref No./Cheque No.	Branch Code	Debit	Credit	Balance
15/11/2022	15/11/2022	CHEQUE BOOK ISSUE CHARGE-38976288	/ 38976288	7020	385.00		13,08,86,950.42
15/11/2022	15/11/2022	CHEQUE BOOK ISSUE CHARGE-38976288	/ 38976288	7020	1,062.00		13,08,85,888.42
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TR-837224	/ 837224	7020	62,422.00		13,08,23,466.42
15/11/2022	15/11/2022	CHQ TRANSFER-RTGS UTR NO: SBINR52022111515041991-836875 ORRISA CAMPA	/ 836875 ORRISA CAMPA	7020	20,15,116.20		12,88,08,350.22
15/11/2022	15/11/2022	CHQ TRANSFER-NEFT UTR NO: SBIN122319571542-836874 ORRISA CAMPA	/ 836874 ORRISA CAMPA	7020	1,02,984.16		12,87,05,366.06
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TRF-836887	/ 836887	7020	39,56,714.00		12,47,48,652.06
15/11/2022	15/11/2022	CHQ TRANSFER-RTGS UTR NO: SBINR52022111515088819-836873 ORRISA CAMPA	/ 836873 ORRISA CAMPA	7020	5,44,45,947.20		7,03,02,704.86
15/11/2022	15/11/2022	CREDIT--	/	7020		5,31,919.00	7,08,34,623.86
15/11/2022	15/11/2022	TO DEBIT THROUGH CHEQUE-SBI TR-836885	/ 836885	7020	95,48,959.00		6,12,85,664.86

\*\*This is a computer generated statement and does not require a signature.





OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION  
GHATAKULA, NUAPADA, CUTTACK-753010

M. No. 8015 / 5F (Misc)/2015

Dated, Cuttack the 14<sup>th</sup> September, 2015

To

The Addl. Principal Chief Conservator of Forests,  
Forest Division and Nodal Officer, FC Act,  
O/O the PCCF, Odisha, Bhubaneswar.

Sub: - Implementation of wildlife management plan in the mining area at project cost.

X-Sub: - Payment of cost of wildlife management plan in respect of Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. in revised cost norm.

Ref: - This office memo no.4796 dt.21.05.2015.


With reference to the above captioned subject, I am to inform you that as per demand raised vide this office Memo No. 4794 dt. 21.05.2015, the User Agency has deposited an amount of **Rs. 14,82,705/- ( Rupees Fourteen lakh Eighty two thousand Seven hundred Five eight)** only being the balance cost of Regional Wildlife Management Plan Cost through RTGS in favour of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) Account No. **SB01025222** with the **Corporation Bank, New Delhi, IFSC No. CORP0000371** with the **RTGS No. SBINR52015072718031597** dt. **27.07.2015**. The copy of RTGS receipt for the above deposited amount is enclosed herewith for favour of kind information and necessary action.

Encl:- As above.

  
14/9/2015  
Divisional Forest Officer  
Cuttack Forest Division

Memo No 8016 Date 14/9/15

Copy forwarded to the Regional Chief Conservator of Forests, Angul for favour of kind information with reference to this office Memo No. 4795 dt. 21.05.2015.

  
14/9/2015  
Divisional Forest Officer  
Cuttack Forest Division

Memo No 8017 Date 14/9/15

Copy forwarded to the Vice President (Mines) Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. At/Po-Kaliapani, Dist-Jajpur for information with reference to his Letter No.BAL/Mine/2553 dt.28.07.2015.

  
14/9/2015  
Divisional Forest Officer  
Cuttack Forest Division

SP  
11/9/15



To  
dfo.cuttackforestdivision@yahoo.com

Received at 2:45 PM

Forwarded by Sankar Gangopadhyay/fatbat/fatbat@spat on 09/11/2015 02:45 PM

Suman Sengupta/fatbat/fatbat@spat  
Sankar Gangopadhyay/fatbat/fatbat@spat  
09/11/2015 02:43 PM  
Payment Details - CAMPA

Sr.

FYI -

27-Jul-15

CHQ TRANSFER  
513398  
RTGS SBINR52015072718031597  
COMPENSATORY AFFORESTATION

14,82,705.00

Regards

|| Suman Sengupta ||

(V.S. - Finance)

|| Mob: +91 7381095938 || Land: (06782) 275781/2/3/4/5 || Extn.: 202 ||

|| Fax: (06782) 275724 || Email: suman\_sengupta@balasorealloys.com ||

### BALASORE ALLOYS LIMITED

(Balgopalpur, Balasore, Orissa, Pin Code - 756020)

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OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION  
GHATAKULA, NUAPADA, CUTTACK-753010

No. 4794 / 5F (Misc)/2015  
Dated, Cuttack the 21<sup>st</sup> May, 2015

To

The Vice President (Mines)  
Ispat Sukinda Chromite Mines of M/s Balasore Alloys Ltd.  
At/Po-Kaliapani, Dist-Jajpur.

- Sub: - Implementation of wildlife management plan in the mining area at project cost.
- X-Sub: - Payment of cost of wildlife management plan in respect of Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. in revised cost norm.
- Ref: - (i) Letter No.10F (Cons) 6/2013 20693/F&E dt.05.10.2013 of Govt. of Odisha, F&E Deptt.  
(ii) Your Letter No.BAL/Mines/816 dt.16.08.2010.

Sir,

With reference to the letter cited above on the captioned subject the balance amount towards the cost of wildlife management plan in revised rate is required to be deposited as calculated below.

- |       |  |                 |
|-------|--|-----------------|
| (i)   | Total ML area 64.463 ha.                                 |                 |
| (ii)  | Cost of wildlife management plan require to be deposited |                 |
|       | Rs.43000 x 64.463 ha. =                                  | Rs.27,71,909.00 |
| (iii) | Amount paid earlier =                                    | Rs.12,89,260.00 |
| (iv)  | Balance amount to be paid =                              | Rs.14,82,649.00 |

Hence, you are requested to make arrangement for payment of the balance cost of wildlife management plan amounting to Rs.14,82,649/- (Rupees Fourteen Lakh Eighty two Thousand Six Hundred Forty nine) only in favour of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through RTGS /NEFT mode in Corporation Bank, Lodhi Complex Branch, New Delhi-110003 (RTGS /IFSC No. CORP0000371, S.B Account No.SB01025222) and submit the receipt in original as a token of evidence to this office for the needful.

Yours faithfully,

  
21/5/2015  
Divisional Forest Officer  
Cuttack Forest Division


Memo No 4795 Date 21-05-2015

Copy forwarded to the Regional Chief Conservator of Forests, Angul for favour of kind information and necessary action.

  
21/5/2015  
Divisional Forest Officer  
Cuttack Forest Division

Memo No 4796 Date 21-05-2015

Copy forwarded to the Addl. Pr.CCF (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action.

  
21/5/2015  
Divisional Forest Officer  
Cuttack Forest Division

Account Name : BALASORE ALLOYS LIMITED  
Address : BALGOPALPUR, BALASORE, BHUBANESWAR, BHUBANESWAR, BHUBANESWAR  
Txn Date : 16-Aug-13  
Value Date : 16-Aug-13  
Description : CHQ TRANSFER-RTGS SBINH13228316738 CAMPA--362515

Ref No./Cheque No. 362515  
Branch Code 41  
Debit 12,89,316.00  
Credit

Counter foil  
State Bank of India Bhubaneswar Main Branch

Branch main Date: 16.08.13 Received From Balasore Alloys Ltd By Cheque/Transfer for RTGS  
on Bank Branch                      Favoring C.A.M.P.A A/c  
No.                      Amount Rs. 1289260 Bank's Charges Rs.                      Total Rs.                       
(Rupees Twelve lac eighty nine thousand two hundred sixty)



**BY SPEED POST**

**No. J-11015/139/2012-IA.II (M)**  
**Government of India**  
**Ministry of Environment, Forests & Climate Change**  
**Impact Assessment Division**

3rd Floor, Vayu Wing,  
Indira Paryavaran Bhawan,  
Jorbagh Road, Aliganj,  
New Delhi-110 003

**Dated: 22<sup>nd</sup> August, 2014**

**To,**

**M/s Balsore alloys Limited**  
Kaliapani Chromite Mine  
At/P.O. Kaliapani-755047

**Subject: Underground Chromite Mine of M/s Balasore Alloys Ltd., Village Kaliapani, Tehsil Sukinda, District Jajpur, Orissa (64.463 ha) (expansion from 0.42 MTPA to 0.6 MTPA and change in technology from opencast to opencast and underground)- Environmental clearance regarding.**

Sir,

This has reference to your letter No. Nil dated 04.05.2012 on the subject mentioned above and subsequent letters dated 01.10.2013 and 15.10.2013. The terms of reference to the proposal for undertaking detailed EIA study were prescribed on 11.10.2012. The proponent submitted the EIA/EMP and public hearing documents which was considered by Expert Appraisal Committee in its meeting held during 31<sup>st</sup> October & 1<sup>st</sup> November, 2013 and re-considered during March 20-21, 2014. The Committee recommended the proposal for grant of environmental clearance.

2. The proposal is for existing Kaliapani Chromite Mine (ML Area – 64.463 Ha.) at Village Kaliapani, Tehsil : Sukinda, District : Jajpur (Odisha). The Latitude & Longitude of the site is 21°00'07"-21°02'46"N and 85°44'12" - 85°47'22" E. The compliance report of the EC conditions stipulated by MoEF, New Delhi vide letter no. J -11015/341/2006-IA.II (M) dated 3<sup>rd</sup> July, 2007 were discussed. It was noted that the conditions stipulated in earlier EC were by and large complied and no specific condition is required in this regard.

3. The total mine lease area is 64.463 ha is Government Land. Modified Mining Scheme is approved by IBM vide letter no. 314(3)/2012-MCCM (CZ)/MS -11 dated 17.12.2012 under rule 10 of MCDR 1988. This is a proposal for expansion in production capacity from 0.42 MTPA & 0.6 MTPA and Change in Technology from Opencast to Opencast & Underground including mining of blocked pillars in open pit mines by Drift & Fill mining method. The Opencast process will be done by mechanized method involving drilling & blasting, loading and transportation of the excavated material. Wet drilling is performed by 100 mm dia DTH drills associated with compatible size compressors. Non cap sensitive slurry of 83mm dia cartridge like Aqua

dyne, as column charge and for secondary blasting Aqua dyne – 25 explosive cartridge of 25 mm dia will be adopted.

4. The total mineable reserves are 26.89 Million Tonnes. The anticipated life of mine is approximately 45 years. It was reported by the PP that the total waste generation at the end of the life of the mine will be 4.08 million cum. At the conceptual stage, about 32.34 ha area will be covered under waste dump. The same will be stabilized by plantation.

5. Total fresh water requirement for the project is 347.2 KLD, out of which 220 KLD is required for beneficiation Plant, 115 KLD for mining operations & Green belt and 12.2 KLD for Domestic/drinking purpose. The requirement is being met from mine discharge water & borewell. Necessary Clearance from CGWA, Ministry of Water Resource, Govt Of India for withdrawal of 53 KLD of water from bore well and 294.2 KLD of Mine Dewater with a total amount not exceeding 347.2 KLD has been obtained vide letter No. 21-4(44)/SER/CGWA/2008-1845 Dated 11.10.2013. It was reported by the PP that during Underground mining, ground water table shall be intersected. NOC for the same shall be obtained from CGWA.

6. It was reported by PP that there is no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Wildlife corridors, Tiger/Elephant Reserves (existing or proposed) etc. within the study area (10 km radius of the mining lease boundary). There are two protected Forests and three Reserved Forests exist within 10 km radius of the mining lease boundary. Authenticated list of flora and fauna was submitted. The nine Schedule-I species are reported from the study area. Species Specific Conservation plan for the schedule-I species i.e. Leopard, *Panthera pardus*; Elephant, *Elephas maximus*; Sloth bear, *Melursus ursinus*; Ratel, *Mellivora capensis*; Indian pangolin, *Manis crassicaudata*; Peafowl, *Pavo cristatus*; Indian rock python, *Python molurus*; Monitor lizards, Bengal & Yellow monitor was submitted. The plan has been forwarded by Divisional Forest Officer, Cuttack forest division.

7. Baseline data for Site-specific Micro-meteorological data, ambient air quality (PM<sub>10</sub>, SO<sub>2</sub> and NO<sub>2</sub>), water quality, noise level, soil and flora and fauna was collected during Post Monsoon Season 2012 (Oct to Dec-2012). Results are found within permissible limits. The Public Hearing for the Project was conducted at Kaliapani Village on 04.04.2013. The Public Hearing was chaired by Mr. Chakrayudha Hota, Additional District Magistrate as per EIA Notification, 2006. Major issues raised during public hearing were related to treatment of Mine Drainage Water, Air pollution and control measures, ground water depletion in mining lease area, provision of check dams for irrigation of agricultural land, deforestation and peripheral development (education, health service, drinking water supply and Employment). Total cost of the project is Rs. 599.0 Crores. Capital cost for Environment Protection Measures has been earmarked Rs. 82.5 Crores along with annual recurring cost Rs. 75.7 Lakh/year.



8. The Ministry of Environment and Forests has examined the application in accordance with the EIA Notification, 2006 and hereby accords environmental clearance under the provisions thereof to the above mentioned proposal of Underground Chromite Mine of M/s Balasore Alloys Ltd. for enhancement of production from 0.42 MTPA to 0.6 MTPA (ROM) and change in technology from opencast to opencast and underground in the mine lease area of 64.463 ha located at Village Kaliapani, Tehsil Sukinda, District Jajpur, Orissa subject to implementation of the following conditions and environmental safeguards.

#### **A. Specific Conditions**

- (i) Mining shall not commence without necessary permissions for drawl of water and intersection of ground water table.
- (ii) Mitigation measures such as well-designed ventilation network within underground mine, provision of Personal Protective Equipment should be ensured and necessary training and awareness programs for mine workers should be undertaken.
- (iii) Continuous monitoring of Mine water should be done and reports furnished.
- (iv) Continuous monitoring of all drinking water sources for Cr(VI) of Mine water should be done and reports furnished.
- (v) Morbidity pattern which is a sensitive indicator of ill health with regard to Cr related diseases need to be done.
- (vi) Mine water discharge and/or any waste water shall be properly treated in an ETP/s for the removal of hexavalent chromium and to meet the prescribed standards before reuse/discharge. The run off from OB dumps and other surface run off shall be analyzed for hexavalent chrome and in case its concentration is found higher than the permissible limit, the waste water should be treated before discharge/reuse.
- (vii) The project proponent shall obtain Consent to Establish and Consent to Operate from the State Pollution Control Board, Odisha and effectively implement all the conditions stipulated therein.
- (viii) Traffic density on the route of mineral transportation shall be regularly monitored and report shall be submitted along with compliance report.
- (ix) As part of ambient air quality monitoring during operational phase of the project, the air samples shall also be analysed for their mineralogical composition and records maintained.
- (x) Mineral handling plant shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
- (xi) Effective safeguard measures such as conditioning of ore with water, regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading and unloading point and transfer points. It should be ensured that the Ambient Air Quality

parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

- (xii) The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- (xiii) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezo meters during the mining operation. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office Bhubaneswar, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
- (xiv) The project proponent shall regularly monitor the flow rate of the natural water streams flowing adjacent to the mine lease and maintain the records.
- (xv) The reclaimed and rehabilitated area shall be afforested. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhubaneswar on six monthly basis.
- (xvi) Dimension of the retaining wall at the toe of temporary over burden dumps and OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
- (xvii) Plantation shall be raised in an area of 36.156 Ha. including a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around the higher benches of excavated void to be converted in to water body, roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per Ha.
- (xviii) Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
- (xix) Process water discharge and/or any waste water shall be properly treated to meet the prescribed standards before reuse/discharge. The runoff from temporary OB dumps and other surface run off shall be analyzed for iron and in case its concentration is found higher than the permissible limit, the waste water should be treated before discharge/reuse.



- (xx) The decanted water from the beneficiation plant and slime/tailing pond shall be re-circulated within the mine and there shall be zero discharge from the mine.
- (xxi) Regular monitoring of the flow rate of the springs and perennial nallahs shall be carried out and records maintained.
- (xxii) Regular monitoring of water quality, upstream and downstream of natural water bodies shall be carried out and record of monitoring data should be maintained and submitted to Ministry of Environment and Forests, its Regional Office, Bhubaneswar, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.
- (xxiii) Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, Central Ground Water Board.
- (xxiv) Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral from mine face to the beneficiation plant. The vehicles shall be covered with a tarpaulin and shall not be overloaded.
- (xxv) Sewage treatment plant shall be installed for the colony. ETP shall also be provided for workshop and wastewater generated during mining operation.
- (xxvi) Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Bhubaneswar.
- (xxvii) Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
- (xxviii) The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to the project site shall be effectively implemented. A copy of action plan shall be submitted to the Ministry of Environment and Forests and its Regional Office, Bhubaneswar.
- (xxix) A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.
- (xxx) The project proponent shall undertake all the commitments made during the public hearing and effectively address the concerns raised by the locals in the public hearing as well as during consideration of the project, while implementing the project.

## **B. General Conditions**

- (i) No change in Iron Ore Processing/Beneficiation technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.
- (ii) No change in the calendar plan including Processing/Beneficiation of mineral iron ore and waste should be made.
- (iii) At least four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10 micron i.e., PM<sub>10</sub>) and NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The data so recorded should be regularly submitted to the Ministry including its Regional office located at Bhubaneswar and the State Pollution Control Board / Central Pollution Control Board once in six months.
- (iv) Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
- (v) There will be zero waste water discharge from the plant.
- (vi) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- (vii) Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- (viii) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- (ix) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar.
- (x) The project authorities should inform to the Regional Office located at Bhubaneswar regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (xi) The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- (xii) The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions



including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bhubaneswar, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Bhubaneswar, the respective Zonal Officer of Central Pollution Control Board and the State Pollution Control Board.

- (xiii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xiv) The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.
- (xv) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Office of the Ministry of Environment and Forests, Bhubaneswar by e-mail.
- (xvi) The project authorities should advertise at least in two local newspapers of the District or State in which the project is located and widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhubaneswar.

9. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

10. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

11. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention &

Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Odhisa and any other Court of Law relating to the subject matter.

12. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**(Dr. V.P. Upadhyay)**  
**Director**

**Copy to:**

- (i) The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi.
- (ii) The Secretary, Department of Environment, Government of Odhisa, Secretariat, Bhubaneswar.
- (iii) The Secretary, Department of Mines and Geology, Government of Odhisha, Secretariat, Bhubaneswar.
- (iv) The Secretary, Department of Forests, Government of Odhisha, Secretariat, Bhubaneswar.
- (v) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
- (vi) The Additional Principal Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests, A-3 Chandrashekharapur, Bhubaneshwar-751023.
- (vii) The Chairman, Odhisa State Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneshwar-751012.
- (viii) The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
- (ix) The Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- (x) The District Collector, Jajpur District, Government of Odhisa.
- (xi) Record File.
- (xii) MoEF Website

**(Dr. V.P. Upadhyay)**  
**Director**



**BY SPEED POST**

**No. J-11015/139/2012-IA.II (M)**  
**Government of India**  
**Ministry of Environment, Forests & Climate Change**  
**Impact Assessment Division**

3<sup>rd</sup> Floor, Vayu Wing,  
Indira Paryavaran Bhawan,  
Jorbagh Road, Aliganj,  
New Delhi-110 003  
Tele: 011-24695304

E-mail: [vp.upadhyay@nic.in](mailto:vp.upadhyay@nic.in)

**Dated: 15<sup>th</sup> December, 2014**

To  
M/s Balsore Alloys Limited,  
Kaliapani Chromite Mine,  
At/ P.O. Kaliapani-755047

Fax:06726-268520

E-mail: [sukinda\\_mines@balasorealloys.com](mailto:sukinda_mines@balasorealloys.com)

**CORRIGENDUM**

**Subject: Underground Chromite Mine of M/s Balasore Alloys Ltd., Village Kaliapani, Tehsil Sukinda, District Jajpur, Orissa (64.463 ha) (expansion from 0.42 MTPA to 0.6 MTPA and change in technology from opencast to opencast and underground)- Environmental clearance regarding.**

Sir,

This is in continuation of MoEF letter even no. dated 22<sup>nd</sup> August, 2014 granting Environmental Clearance to above mentioned project.

2. A typographical error occurred inadvertently in General condition No. (i) & (ii) of EC letter at page 6. The words in General condition 'Iron ore' & 'Iron ore and waste' need to be rectified as 'Chrome Ore' and 'Chrome Ore and waste'.

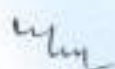
3. Hence, the General condition No. (i) & (ii) of EC letter at page 6 are now substituted as follows:

**B General Condition**

- (i) No change in Chrome ore Processing/Beneficiation technology and scope of working should be made without prior approval of the Ministry of Environment, Forests and Climate Change.
- (ii) No change in the calendar plan including Processing/Beneficiation of mineral Chrome ore and waste should be made.

4. All other terms and conditions mentioned in this Ministry's letter of even no. dated 22.08.2014 shall remain the same.

5. This issues with the approval of the Competent Authority.

  
**(Dr. V.P. Upadhyay)**  
**Scientist 'F'**

**Copy to:**

- (i) The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi.
- (ii) The Secretary, Department of Environment, Government of Odhisa, Secretariat, Bhubaneswar.
- (iii) The Secretary, Department of Mines and Geology, Government of Odhisha, Secretariat, Bhubaneswar.
- (iv) The Secretary, Department of Forests, Government of Odhisha, Secretariat, Bhubaneswar.
- (v) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
- (vi) The Additional Principal Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests, A-3 Chandrashekharapur, Bhubaneswar-751023.
- (vii) The Chairman, Odhisa State Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
- (viii) The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
- (ix) The Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- (x) The District Collector, Jajpur District, Government of Odhisa.
- (xi) Record File.
- (xii) MoEF Website

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**(Dr. V.P. Upadhyay)**  
**Scientist 'F'**



# BALASORE ALLOYS LIMITED

CIN-L27101OR10004PLC001354



Proposal for diversion 64.119 ha. of Sabik KISSAM forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

Annexure-~~III~~ IV

## Undertaking


We do hereby undertake that No labour camp shall be established On the forest land involved in our Kaliapani Chromite Mines by M/s Balasore Alloys Ltd.

**COUNTERSIGNED**

Divisional Forest Officer  
Cuttack Forest Division



For Balasore Alloys Ltd

  
Nagendra Kumar Akula  
Managing Director

# BALASORE ALLOYS LIMITED

CIN-127101OR1084PLC001354



Proposal for diversion 64.119 ha. of Sabik KISSAM forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

Annexure-~~III~~ IV

## Undertaking

We do hereby undertake that/s M/s Balasore alloys ltd shall provide fuels preferably alternate fuels to the labourers and the staff working at the site if required in future, so as to avoid any damage and pressure on the nearby forest areas in respect of Our Kaliapani Chromite Mines.

COUNTERSIGNED

Divisional Forest Officer  
Cuttack Forest Division



For Balasore Alloys Ltd

Nagendra Kumar Akula  
Managing Director



## Concrete Pillars at Boundary of Mines






Proposal for diversion 64.119 ha. of Sabik KISSAM forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

Annexure-~~36~~ X V [ ]**Undertaking**


We do hereby undertake that, mining shall be undertaken in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by M/s Balasore Alloys Ltd from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry in respect of Our Kaliapani Chromite Mines.

**COUNTERSIGNED**

  
Divisional Forest Officer  
Cuttack Forest Division



For Balasore Alloys Ltd

  
Nagendra Kumar Akula  
Managing Director

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Proposal for diversion 64.119 ha. of Sahik Kissan forest land as on 25.10.1980 within mining lease area of 64.463 ha. for Chromite mining in Kuliapani Chromite Mines of M/s Halasore Alloys Ltd in Jajpur district, Odisha

Annexure-~~IV~~ V

### Undertaking

We do hereby undertake that, the layout plan of the mining plan/ proposal of our Kaliapani Chromite Mines of M/s Balasore Alloys Ltd shall not be changed without the prior approval of the Central Government.

For Balasore Alloys Ltd



**Magendra Kumar Akula**  
Managing Director

COUNTERSIGNED

Divisional Forest Officer  
Cuttack Forest Division

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Proposal for diversion 64.119 ha. of Sabik Kissan forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

Annexure-10 ✕ ✕ ✕

Undertaking

We do hereby undertake that, the forest land involved in our Kaliapani Chromite Mines of M/s Balasore Alloys Ltd shall not be used for any purpose other than that specified in the proposal.

COUNTERSIGNED

Divisional Forest Officer  
Cuttack Forest Division



For Balasore Alloys Ltd

Nagendra Kumar Akula  
Managing Director

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Proposal for diversion 64.119 ha. of Sabik KISSAM forest land as on 25.10.1990 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

Annexure-~~16~~ ~~17~~

### Undertaking

We do hereby undertake that, the forest land involved in Kaliapani Chromite mines proposed to be diverted shall under no circumstances be transferred to any other agency department or person other than M/s Balasore Alloys Ltd, without prior approval of the Central Government.

COUNTERSIGNED

Divisional Forest Officer  
Cuttack Forest Division



For Balasore Alloys Ltd

**Rajendra Kumar Akula**  
Managing Director

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Proposal for diversion 64.119 ha, of Sahib Khasam forest land as on 25.10.1989 within mining lease area of 64.163 ha for Chromite mining in Kalapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

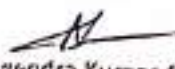
Annexure-~~20~~ XXI

Undertaking

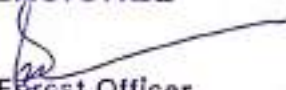
We do hereby undertake that, no damage to the flora and fauna of the adjoining area of our Kalapani Chromite Mines of M/s Balasore Alloys Ltd shall be caused due to mining activity.



For Balasore Alloys Ltd

  
Hazendra Kumar Akula  
Managing Director

COUNTERSIGNED

  
Divisional Forest Officer  
Guttack Forest Division

95

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BALASORE ALLOYS LIMITED



CIN 1271010R100419 C001364

Proposal for diversion 64.119 ha. of Sabik KISSAM forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

Annexure-21 *21/11*

Undertaking

We do hereby undertake that, Any tree felling inside our Kaliapani Chromite Mines of M/s Balasore Alloys Ltd shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department.



For Balasore Alloys Ltd

*N*  
Nagendra Kumar Akula  
Managing Director

COUNTERSIGNED

*[Signature]*  
Divisional Forest Officer  
Cuttack Forest Division

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# BALASORE ALLOYS LIMITED



CIN-L27101OR1984PLC001354

Proposal for diversion 64.119 ha. of Sabik Kissan forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha


Annexure-22 7/11

## Undertaking

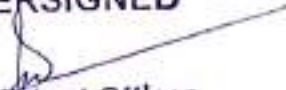
We do hereby undertake to/will be abide by the applicable recommendations of the State Government in respect of Kaliapani Chromite Mines of M/s Balasore Alloys Ltd.



For Balasore Alloys Ltd

  
Nagendra Kumar Akula  
Managing Director

COUNTERSIGNED

  
Divisional Forest Officer  
Cuttack Forest Division

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**SCHEME FOR MITIGATIVE MEASURES  
TO  
MINIMIZE SOIL EROSION  
&  
CHOKING OF STREAMS  
IN RESPECT TO  
KALIAPANI CHROMITE MINE  
OF  
M/S BALASORE ALLOYS LIMITED  
UNDER  
CUTTACK FOREST DIVISION**

(Condition No -2. Xxv(a) of Stage-I Forest Clearance Order Vide Letter No.F.No.8-14/2016-FC dated 18th November,2016" Of Govt. Of India, Ministry of Environment , Forest & Climate Change,New Delhi)

**SCHEME FOR MITIGATIVE MEASURES TO MINIMIZE SOIL EROSION AND CHOKING OF  
STREAMS AT KALIAPANI CHROMITE MINE OF M/S BALASORE ALLOYS LTD UNDER  
CUTTACK FOREST DIVISION.**

(Condition No -2. Xxv (a) of Stage-I Forest Clearance Order Vide Letter No.F.No.8-14/2016-FC dated 18th November, 2016" Of Govt. Of India, Ministry of Environment, Forest & Climate Change, New Delhi)

M/s. Balasore Alloys Limited (BAL) formerly Ispat Alloys Limited, has its Registered Office at Balgopalpur, District Balasore, Odisha. The Company has its Captive Chromite Mines at Kaliapani, tehsil Sukinda Dist: Jajpur, Odisha. Mining Lease deed with respect to 64.463 ha area was duly executed between M/s Balasore Alloys Ltd and Collector, Jajpur on 15.7.2000 with validity of Lease up to 16.07.2030. Mining operation in the Lease hold area was started in Sept' 2000 and is still continuing. Since inception total area of 64.463 ha is mentioned as Non-forest land mining operation is going on over the area with all statutory approval accordingly. As per Sabik record of the same area it found out of 64.463 ha ML area, 64.119 ha was classified as Sal Jungle i.e., Forest Kissam as on 25.10.1980 and balance 0.344 ha as road (Non-Forest).

Accordingly Proposal was submitted on 01.01.2016 Vide No FP/OR/MIN/11934/2015, State SI No: OR-025/2016 for diversion of forest land involved. Thereafter, our proposal was considered and File no: 8-14/2016-FC and Stage-1 approval in principle is accorded on 18th November, 2016 by MoEF & CC, Government of India.

As per condition No. 2 (xxv) (a) of the Stage-I approval, the User Agency shall take up *"Mitigative measures to minimize soil erosion and choking of stream shall be implemented within a period of three years with effect from the issue of Stage-II clearance in accordance with the approved plan in consultation with the State Forest Department"* at the project cost.

In compliance with the above condition, a comprehensive scheme is prepared for implementation of the same in the M.L. area of the above said Mines.

The Kaliapani Chromite mine is situated at Village Kaliapani of Sukinda Tahasil of Jajpur district. The Mining Lease area covers 64.463 hectare. This is a part of Survey of India Topo Sheet bearing No 73G/16 bounded by Latitude N21002'9.54" to N21001'34.47" and Longitude E85045'29.97" to E85044'27.99". The area is approachable from state capital through N.H.-5, Chandikhole-Daitary Express High Way up to Duburi/Tomka and then through Duburi/Tomka-Kaliapani Road.

Further the mines is located within cluster of mines such as lease of Sukinda Chromite Mines of M/s IMFA on the East, Jindal Chromite Mines of M/s Jindal Stainless Ltd (BAL) on west & in south Ispat Sukinda Chromite Mine of M/s Balasore Alloys Ltd . As per Para 4.7 of guidelines of F/C Act-1980, the Safety Zone of 7.5 m width all around the Lease boundaries should be maintained. At Para 4.7 (ii) " which inter alia says that in case of cluster of mines, the outer boundaries of cluster should be taken as Safety Zone & its maintenance cost has to be borne proportionately by the Lessee operating the Cluster." In North side of the Lease area with tree growth is maintained as safety zone with 7.5 m width and total area comes to 0.17 ha except limited area used for entry to the ML area.



The mining and ancillary activities may convert this area prone to soil erosion by creating reels and gullies on mined out pit benches, haul roads, on the surface-soil and on the bank of the natural streams. Such gullies eventually may widen and occupy large tract of the slope and cause considerable soil loss and flooding the valley bottom with considerable siltation during rains, the exposed soil will not allow percolation of rainwater to charge the ground water table. Consequently, the seasonal streams may not flow all the time. Therefore, it is essential to treat the area with strategic soil and moisture conservation measures to mitigate the adverse impact of mining. In addition to the engineering structures, the vegetative cover in barren areas proves to be very effective in preventing soil erosion.

BAL has already constructed adequate retaining wall of 1471 mtr around the waste dump and Garland drains of 2556 mtr. around the waste dump and side of haul road. Further to stabilise the waste dump BAL has already covered with plantation over 33.5 ha ha area and the remaining area in the dump, whenever saturated will be taken for plantation in progressive and phased manner.

#### **FACTORS RESPONSIBLE FOR SOIL EROSION AND CHOKING OF STREAMS**

The mining activities, sub grade dumps and overburden dumps are the major factors impacting adversely to any drainage system in the mining areas. The forms of erosion observed in this region include mainly reel and gully types of erosion. The storm water/ runoff from the hills, mine faces, sub grade dumps and OB dumps/ slope areas carry substantial amounts of solids in the lower order streamlets generally choke the higher order streams. These lower order streamlets and gullies have prone to erosion due to steep gradient and transportation of rock fragments with high velocity of the stream and deposition of same in the connecting high order streams due to velocity drop. Streams may also erode by undercutting their banks resulting in mass-wasting processes like slumps or slides. When the undercut material falls into the stream, the fragments are transported and deposited in the stream bed. The other mode of sediment transportation is very nominal.

#### **OBJECTIVE OF THE SCHEME: -**

The objectives of the proposed scheme are as follows:

- a) In compliance with the stipulated condition No. B xiv (a) of the Stage – I Forest Clearance approval issued by MoEF & CC, New Delhi, Government of India.
- b) Prevention of erosion of loose materials from OB dump may have chance to choke the natural streams.
- c) Proper Management of overburden materials so as to prevent siltation in the streams
- d) Prevention of overflow of eroded soils from the mining areas, natural streams.

#### **PROPOSED METHODOLOGY**

To achieve the above objectives, it has been proposed to take up both biological and structural works for soil and water conservation. The vegetative measures are to be adopted mostly in the upper reaches & around O.B dump sites whereas the structural works are suggested in the lower reaches such as in the garland drain around the dumps and road sides. As per the current practice, check dams (wherever needed) , are constructed across the



contour of seasonal streams arising from the up-slope areas to arrest the sediment load to prevent choking of streams followed by de-silting, before monsoon.

The following activities are proposed to be taken up to mitigate soil erosion and choking of streams:

a) There are no seasonal streams inside the M.L. boundary.

b) Erosion from O.B. dump slope areas shall be controlled by providing retaining walls, garland drains, loose boulders structures, settling tanks etc along with plantation. The main purpose of the works is to control soil erosion from OB dump and minerals stock piles etc.

In addition to the engineering structures, the vegetative cover on areas susceptible to erosion proves to be very effective in preventing soil erosion.

The mining and ancillary activities will convert this area prone to intensive soil erosion by creating reels and gullies on mined out pit benches, on the surface of O.B. dump, on the shoulder of haul roads, on the surface of the surface-soil deposit and on the bank of the natural streams. Such gullies eventually may widen and occupy large tract of the slope and cause heavy soil loss and flooding the valley bottom with heavy siltation. This results the virgin forest area prone to soil erosion. During rains, the exposed soil will not allow percolation of rainwater to charge the groundwater table. Consequently the seasonal streams will be dried up. Therefore, it is essential to treat the area with strategic soil and moisture conservation measures to mitigate the adverse impact of mining.

In addition to the engineering structures, the vegetative cover on areas susceptible to erosion proves to be very effective in preventing soil erosion.

Separate scheme has been prepared for plantation in safety zone. Action will be taken to protect the sub-grade ore dumps from soil erosion. Since most of the areas will be utilized for mining and ancillary purposes, there is no scope for raising plantation in surplus area. Plantation will be taken up during reclamation of worked out areas.

Dump slope also be stabilized with plantation, Coir matting & grass turfing. Overall slope will be kept at 28°. Existing statutory provisions like retaining wall, and garland drain, check dams, terraces and settling tanks those exist at site will be modified. during plan period additional 1.877 ha shall be utilized for dumping. Hence there is only scope Area over overburden area of 1.877 ha plantation be developed

Species selected for plantation shall be drought hardy, fast growing in nature. The species selected will be from among the following:



Common Name	Scientific name	Family
Neem	<i>Azadirachta indica</i>	Meliaceae
Amla	<i>Emblica officinalis</i>	Euphorbiaceae
Bela	<i>Aegle marmelos</i>	Rutaceae
Karanja	<i>Pongamia pinnata</i>	Fabaceae
Dhamana	<i>Grewia tiliifolia</i>	Tiliaceae
Barakoli	<i>Zizyphus mauritania</i>	Rhamnaceae

Pre-planting, planting and post planting operations shall be carried out as per silvicultural practices enumerated in the Govt. approved cost norms. Pit size of 45 cm X 45 cm X 45 cm will be dug out to carry out plantation. Since the work will be done on the dump of a Chromite mine, cost norm of Bald Hill plantation is provided.

Separate schemes, to plant "Drought Hardy Species" within ML area are being prepared to arrest soil erosion. For construction of Check Dam, Retention/Toe walls to arrest sliding down of excavated material, and to stabilize OB dump have been prepared.

There is about 3.6 ha, area which is suitable for plantation inside the Mining Lease. Soil & Moisture Conservation measures shall be done by constructing Loose Boulder Check Dams in the gullies and small streams in the mining lease area.

The Check Dams have been constructed at about every 50 Mtr. interval of garland drain and proposed to construct about 150 running mtr. / 51 nos.(approx) of check dams across the garland drain.

Since Loose Boulder Check Dams may be varying in length depending upon the size of gullies , estimate has been prepared to arrive an average cost per meter of Loose Boulder Check Dam.

Estimate for Loose Boulder Check Dam is enclosed as **Annexure-1**.

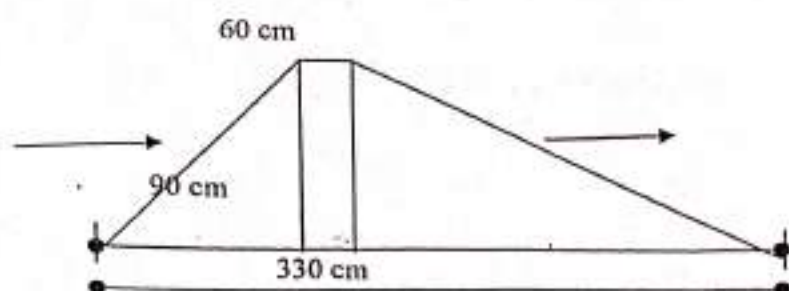
#### **LOOSE BOULDER CHECK DAMS IN GULLIES:**

Loose Boulder Check Dams should be constructed on the following principles: -

- Height of the dam should be the height of the bank or 90 cm whichever is higher.
- Series of check dams should be constructed on the gullies. Bottom level of Check Dam situated on higher slope and top level of the Check Dam located downstream should be same.
- Check Dam or any Soil Conservation Measure should start from the top where the erosion starts and move downwards.
- Check Dam should be constructed where the gullies are narrow and the bank is suitably having strength. The tendency of constructing big check dams, at wide and accessible points should be avoided.
- For construction of loose boulder check dams, as far as larger size stones to be used to fit the proposed design and small stones shall be used to fill interstices to make the structure stable.

- If possible, the construction of loose boulder check dams should be done before plantation is taken up in the area to prevent damage of planted seedlings.

The following simple design should be followed for loose boulder check dams.



- Volume of stone work, as per the Cross section of check dam is sq.mtr x length of check dam in mtr. For example, as per the drawing shown above, the volume calculation for a 2.5 mtr long check dam will be as under:

#### Cross section:

Foundation 4.5 Mtr X 0.25 mtr = 1.125 sq.mtr

Super structure (3.3m + 0.6 m)/2 X 0.9m = 1.755 sq.mtr

1.755 mtr + 1.125 sq.mtr = 2.88 sq.mtr

Volume = 2.88 sq.mtr X 2.5 mtr = 7.2 cub. mtr.

Volume of stone for a 2.5 mtr long loose boulder check dam is 7.2 cub.mtr.

Volume of check dams of different lengths can be calculated accordingly.

Estimate of a standard loose boulder check dam is furnished at **Annexure-I**

### INSPECTION, MONITORING AND EVALUATION

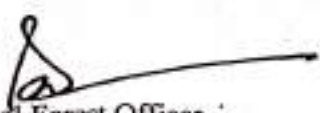
For successful implementation of the above mitigative measures, adequate inspection and technical guidance should be done by the concerned technical wing of the User Agency. The work will also be inspected and evaluated by Officers of Forest Department and MoEF & CC.

### EXECUTING AGENCY

The works in the present Scheme shall be executed by the User Agency.

### FINANCIAL OUTLAY

The total cost of the implementation of mitigative measures shall be Rs.4, 95,000.00 (Rupees Four Lakh Ninety-Five Thousand only) only as shown in **Annexure-II** for implementation of the above mitigation measures.

  
 Divisional Forest Officer  
 Cuttack Forest Division



## Estimate for Loose Boulder Check Dam of length 2.5 mtr

Foundation and apron 25 cm thick.

Top width 60 cm

Height of check dam above the foundation is 90 cm.

Uphill side width 90 cm.

Downhill side width 180 cm.

Uphill side apron 30 cm and downhill side apron 90 cm.

## Analysis of Rate:

Particulars of work	No./ Quantity	Rate	Amount
Earth work in hard or gravelly soil within 50m. Initial lead and 1.5m. Initial lift including rough dressing of clods to maximum 5 cm. to 7 cm and laying in layers not exceeding 0.3 m. in depth (per 100 cum.)	43	333.00	14319.00
Mulia			286.38
2% sundries and T & P etc.	Total		14605.38
Rough stone dry packing in aprons and revetments with hard granite stones (15 to 30 cm size) per cum	1	507.96	507.96
Granite broken stone 1 cum.	0.17	483.00	82.11
Mason (Special)	0.35	373.00	130.55
Stone packer	1.04	333.00	346.32
Mulia			21.33
2% sundries, T & P etc.	Total		1088.27


**Estimate for construction of Loose Boulder Check Dam**  
**Length of Loose Boulder Check Dam 2.5 Mtr**

Particulars of work	Volume	Rate in Rupees	Total amount in Rupees
Earth work in hard or gravelly soil within 50m. Initial lead and 1.5m. Initial lift including rough dressing of clods to maximum 5 cm. to 7 cm and laying in layers not exceeding 0.3 m. in depth Dressing the side of banks and foundation on L.S	L.S	200.00	200.00
Rough stone dry packing in aprons and revetments with hard granite stones (15 to 30 cm size) per cum			
Foundation 4.5 mtr x 0.25 mtr = 1.125 sq.m Super structure (3.3mx0.6m)/2 x 0.9m = 1.755 sq.m 1.755 sq. mtr + 1.125 sq.mtr = 2.88 sq.mtr Volume = 2.88 sq.mtr x 2.5 mtr = 7.2 cu.m	7.2 cu.m	1088.27	7835.5
<b>Total</b>			<b>8035.5</b>

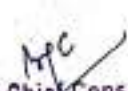
Cost per running meter of L.B.C.D of 90 cm height = Rs 8035.54/2.5 = Rs. 3214.21 or say Rs.3300/-

TOTAL COST OF THE PROJECT

Description of the Work	Fund Required (in Rs.)
Loose Boulder Check Dams over 150 Running Meters in gullies and streams within the mining lease area @ Rs 3300.00 per Meter.	4,95,000.00
<b>Total</b>	<b>4,95,000.00</b>
Rupees Four Lakh Ninety-Five Thousand only	

  
Divisional Forest Officer  
Cutlack Forest Division

*Approved for Rs. 4,95,000/-*

  
Regional Chief Conservator  
of Forests, Angul Circle.







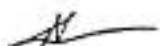
Proposal for diversion 64.119 ha. of Sabik KISSAM forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

Undertaking

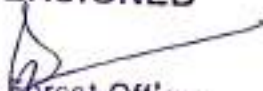
We do hereby undertake that, Activities on Mitigate measures to minimize soil erosion and choking of stream addressed in the scheme prepared and approved by RCCF, Anugul shall be carried out within a period of three year with effect from the issue of Stage-II clearance in accordance with the approved Plan in consultation with the State Forest Department at our Kaliapani Chromite Mines of M/s Balasore Alloys Ltd.



For Balasore Alloys Ltd

  
Nagendra Kumar Akula  
Managing Director

**COUNTERSIGNED**

  
Divisional Forest Officer  
Cuttack Forest Division



SCHEME  
FOR  
PLANTING OF DROUGHT HARDY PLANT  
SPECIES  
AND  
SOWING OF SEEDS  
IN  
THE APPROPRIATE AREA WITHIN  
THE MINING LEASE  
TO  
ARREST SOIL EROSION  
IN LIEU OF  
KALIAPANI CHROMITE MINES  
OF  
M/S- BALASORE ALLOYS LIMITED  
UNDER  
CUTTACK FOREST DIVISION

(Condition No -2. Xxv(b) of Stage-I Forest Clearance Order Vide Letter No.F.No.8-14/2016-FC dated 18th November,2016" Of Govt. Of India, Ministry of Environment , Forest & Climate Change,New Delhi)

**SCHEME FOR PLANTING OF  
DROUGHT HARDY PLANT SPECIES AND SOWING OF SEEDS  
IN THE APPROPRIATE AREA WITHIN THE MINING LEASE TO  
ARREST SOIL EROSION**

(Condition No -2. Xxv(b) of Stage-I Forest Clearance Order Vide Letter No.F.No.8-14/2016-FC dated 18th November,2016" Of Govt. Of India, Ministry of Environment , Forest & Climate Change,New Delhi)

**1. INTRODUCTION**

M/s. Balasore Alloys Limited (BAL) formerly Ispat Alloys Limited, has its Registered Office at Balgopalpur, District Balasore, Odisha. The Company has its Captive Chromite Mines at Kaliapani, tehsil Sukinda Dist: Jajpur, Odisha. Mining Lease deed with respect to 64.463 ha area was duly executed between M/s Balasore Alloys Ltd and Collector, Jajpur on 15.7.2000 with validity of Lease up to 16.07.2030. Mining operation in the Lease hold area was started in Sept' 2000 and is still continuing. Since inception total area of 64.463 ha is mentioned as Non-forest land mining operation is going on over the area with all statutory approval accordingly. As per Sabik record of the same area it found out of 64.463 ha ML area, 64.119 ha. was classified as Sal Jungle i.e., Forest KISSAM as on 25.10.1980 and balance 0.344 ha as road (Non-Forest).

Accordingly Proposal was submitted on 01.01.2016 Vide No FP/OR/MIN/11934/2015, State SI No: OR-025/2016 for diversion of forest land involved. Thereafter, our proposal was considered and File no: 8-14/2016-FC and Stage-I approval in principle is accorded on 18th November, 2016 by MoEF & CC, Government of India

As per condition No **Condition No -2. Xxv(b)** of the Stage-I approval, the User Agency shall take up *"Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved scheme"* at the project cost.

In compliance with this condition, a comprehensive Scheme is prepared for implementation of the same over the entire area of the said mining lease.

The Kaliapani Chromite mine is situated at Village Kaliapani of Sukinda Tahasil of Jajpur district. The Mining Lease area covers 64.463 hectare. This is a part of Survey of India Topo Sheet bearing No 73G/16 bounded by Latitude N21002'9.54" to N21001'34.47" and Longitude E85045'29.97" to E85044'27.99". The area is approachable from state capital through N.H.-5, Chandikhole - Daitary Express High Way up to Duburi/Tomka and then through Duburi/Tomka-Kaliapani Road.



The Mines forms a part of Sukinda Ultramafic Complex which is the largest Chromite deposit of India.

Further the mines is located within cluster of mines such as lease of Sukinda Chromite Mines of M/s IMFA on the East, Jindal Chromite Mines of M/s Jindal Stainless Ltd (BAL) on west & in south Ispat Sukinda Chromite Mine of M/s Balasore Alloys Ltd . As per Para 4.7 of guidelines of F/C Act-1980, the Safety Zone of 7.5 m width all around the Lease boundaries should be maintained. At Para 4.7 (ii) " which inter alia says that in case of cluster of mines, the outer boundaries of cluster should be taken as Safety Zone & its maintenance cost has to be borne proportionately by the Lessee operating the Cluster." In North side of the Lease area with tree growth is maintained as safety zone with 7.5 m width and total area comes to 0.17 ha except limited area used for entry to the ML area

The mining and ancillary activities may prone to intensive soil erosion by creating reels and gullies on mined out pit benches, on the surface of O.B. dump, on the shoulder of haul roads, on the and on the bank of the natural streams. Such gullies may widen and occupy large tract of the slope and cause heavy soil loss and flooding the valley bottom with considerable siltation. This may result prone to soil erosion. During rains, the exposed soil may not allow percolation of rainwater to charge the groundwater table. Consequently, the seasonal may affects the perennial flow of the stream.

Therefore, it is essential to treat the area with adequate soil and moisture conservation measures to mitigate the impacts of Mining activities.

Out of 64.463 ha of ML area, about 61.992ha is under utilization for different mining activities, 0.410 ha is utilized for ETP & Magazine and Plantation in safety zone 2.471ha area is remained unutilized. A separate Scheme for Afforestation in Safety Zone area and Non-mineralized virgin Forest Land area have been prepared. Since most of the areas will be utilized for mining and ancillary purposes, there is only scope for taking up block plantation over an area of 1.12 ha on a part of inactive dump.

Out of Total Dump area of 34.325 ha, 41100 Sqm area of dump slope has been covered by Geotextile and 16550 Sqm area covered with grass turffing & 80540 nos of saplings planted at dump slope, balance dump area is active & dumping is going on, another 3.224 ha area is kept for movement of water tankers, hence at present only 1.12 ha area proposed for plantation at dump slope and part thereof whenever shall be saturated to be taken for plantation in progressive and phased manner.

In addition to the engineering structures, the vegetative cover to be made on areas susceptible to erosion which is very effective in preventing soil erosion.

Map of the proposed plantation area is given as **Plate-I**.

Species selected for plantation shall be "drought hardy" and fast growing in nature.

The species selected will be from among the following:

Common Name	Scientific name	Family
Neem	<i>Azadirachta indica</i>	Meliaceae
Karanja	<i>Pongamia pinnata</i>	Fabaceae
Dhamana	<i>Grewia tilifolia</i>	Tiliaceae
Banyan	<i>Ficus benghalensis</i>	Moraceae
Aswatha	<i>Ficus religiosa</i>	Moraceae

Pre-planting, planting and post planting operations shall be carried out as per *silvicultural* practices enumerated in the State Govt. approved cost norms and having Pit size of 45 cm X 45 cm X 45 cm to be dug out to carry out plantation.

Cost norm for plantation is given at Annexure-I.

Inside the mining lease area for sowing of seeds about 1.12 ha for sowing of seeds.

**Execution of work:**

Since the work will be done within mining lease area, it will be executed by the User Agency.

**Financial outlay:**

The total financial outlay for proposed plantation of "drought hardy species" comes to Rs. 8,74,375.00 (Rupees ~~Eight~~ <sup>Nine</sup> Lakh ~~Seventy Four~~ <sup>Thirteen</sup> Thousand ~~Three~~ <sup>Eight</sup> Hundred ~~Seventy~~ <sup>Sixty Three</sup> ~~Five~~) only as shown in Annexure-II.

9,03,867/-

  
Divisional Forest Officer  
Cuttack Forest Division




**Total Project Cost for Planting of Drought Hardy Plant Species & Sowing of seeds  
over 1.12ha in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd.  
under Cuttack Forest Division.**

Sl No.	Item of Work	Estimated cost in (Rs.)
1	Block Plantation (1000 Plants/ Ha.) over 1.12 Ha @2,47,719/Ha	Rs.2,77,445.28
2	Soil Moisture Conservation cost over 1.12 Ha @35,634/Ha	Rs.39,910.08
3	Watering Model-II (Diesel Pump set Fitted with Bore well) over 1.12 Ha @4,97,339/Ha	Rs.5,57,019.68
	<b>Grand Total</b>	Rs.8,74,375.04 Or Rs.8,74,375.00

4. Cost of sowing of grass seeds over 1.12 Ha. 29,488.00  
 @ Rs. 26,329/-/ha. 67. Total 9,03,863  
 (Rupees Eight Lakh Seventy-Four Thousand Three Hundred Seventy-Five) Only  
 Nine Lakh Three Thousand Eight Hundred Sixty Three) 00/100.

  
**DIVISIONAL FOREST OFFICER  
 CUTTACK FOREST DIVISION**

*Approved for Rs. 9,03,863/-*

  
**Regional Chief Conservator  
 of Forests, Angul Circle.**

**BASE COST NORM FOR AFFORESTATION (AR PLANTATION) @1000 PLANTS PER HECTARE**

1. MODEL	BLOCK
2. NO. OF PLANTS PER HA.	1,000
3. TOTAL AREA TO BE PLANTED(In HA.)	1.12
4. SPACING TO BE ADOPTED	2.5M X 2.5M
5. TOTAL NOS. OF PLANTS TO BE PLANTED	1,120
6. Wage Rate [Per MD]	333.00

Sl. No.	Item of Works	Period of execution	Mandays	Labour Cost @	Material Cost	Total in Rs.
1	2	3	4	5	6	7
<b>Pre-Planting Operation (0<sup>th</sup> Year)</b>						
1	Survey, Demarcation and Pillar Posting	Nov/Dec	2	666.00	0	666.00
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	333.00	100	433.00
3	Site preparation (Cleaning & removal of debris)	Nov/Dec	12	3,996.00	0	3,996.00
4	Creation of 4.00 mt wide Inspection Path	Feb/Mar	1	333.00	0	333.00
5	Alignment and stacking of pits	Feb/Mar	1	333.00	0	333.00
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard & gravelly soil	Feb/Mar	40	13,320.00	0	13,320.00
7	Construction of Temporary Labour Shed, Drinking water facility and First Aid etc.	Jan/Mar	0	0.00	3500	3,500.00
<b>Total:-</b>			<b>57</b>	<b>18,981.00</b>	<b>3,600.00</b>	<b>22,581.00</b>
<b>1st Year/ Planting Year</b>						
1	Refilling of pits by altering the dugout soil of the pits, application of Organic compounds/ CDM/ FYM & mixing the same properly.	Jun/July	7.5	2,497.50	5,000.00	7,497.50
2	Transportation of 18 months old polypot seedlings in hired truck/ tractor from the Permanent/ Mega nursery to planting site including loading & unloading. (Average lead of 10 Rkm) & stacking the seedlings @ Rs.6/- per Seedling. (1100 nos.)	July/Aug	0	0.00	6,600.00	6,600.00
3	Watering the polypot seedlings at planting site	July/Aug	2	666.00	0.00	666.00
4	Conveyance of polypot seedlings on head load from the stacking site to individual dug out pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & pressing the soil properly around the planted seedlings.	July/Aug	22.5	7,492.50	0.00	7,492.50
5	<b>Cost of Fertilizer &amp; Insecticide:-</b> (a) NPK / Bio-fertilizer @50 gms/ plant as basal dose = 50 kg @ Rs.30/- per kg = Rs1500.00 (b) Urea/ Vermicompost/ Mo Khata/ any other fertilizer in two subsequent doses @ Rs.750.00 (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 5 kg @ Rs/150/- per kg = Rs. 750.00	July/Aug	0	0.00	3,000.00	3,000.00



Sl. No.	Item of Works	Period of execution	Mandays	Labour Cost @	Material Cost	Total in Rs.
	2	3	4	5	6	7
1	Casualty Replacement @ 10% (100 nos.)	July/Aug	2.5	832.50	0.00	832.50
6	1st Weeding & Manuring.	Aug/Sept	12	3,996.00	0.00	3,996.00
8	2nd Weeding, Soil working (1mt. Diameter around the plants) and Manuring.	Oct/Nov	15	4,995.00	0.00	4,995.00
9	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
10	Watch & Ward including watering as per requirement.	Aug-Mar	12	3,996.00	0.00	3,996.00
	<b>Total:-</b>		<b>76.5</b>	<b>25474.5</b>	<b>14600</b>	<b>40,074.50</b>
<b>2nd Year Maintenance</b>						
1	Transportation of 100 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs.6/- per seedling.	Jul	0	0.00	600.00	600.00
2	Casualty Replacement @ 10%	Jul	2.5	832.50	0.00	832.50
3	<b>Cost of Fertilizer &amp; Insecticide:-</b> (a) Cost of Insecticide/ Bio-pesticide @ 5 gms/ plant $\approx$ 0.5 kg @ Rs.150/- per kg = Rs.75/- (b) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer @ Rs.2800/-	Aug/Sept	0	0.00	2,875.00	2,875.00
4	Weeding (Complete weeding), Manuring & Soil working (1mt. Diameter around the plants).	Sept/Oct	15	4,995.00	0.00	4,995.00
5	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
6	Watch & Ward including watering as per requirement.	Apr-Mar	18	5,994.00	0.00	5,994.00
7	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.				1,000.00	1,000.00
	<b>Total:-</b>		<b>38.5</b>	<b>12820.5</b>	<b>4,475.00</b>	<b>17295.5</b>
<b>3rd Year Maintenance</b>						
1	Cost of fertilizer (Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer).	Sept/Oct	0	0.00	2,800.00	2,800.00
2	Weeding, Manuring & Soil working (1mt. Diameter around the plants).	Sept/Oct	15	4,995.00	0.00	4,995.00
3	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
4	Watch & Ward including watering as per requirement.	Apr-Mar	18	5,994.00	0.00	5,994.00
5	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr-Mar			1,000.00	1,000.00
	<b>Total:-</b>		<b>36</b>	<b>11,988.00</b>	<b>3,800.00</b>	<b>15,788.00</b>

Sl. No.	Item of Works	Period of execution	Mandays	Labour Cost @	Material Cost	Total in Rs.
1	2	3	4	5	6	7
<b>4th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>5th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>6th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Pruning of branches, Singling out of multiple shoots	Jan/Mar	3	999.00	0.00	999.00
3	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>24</b>	<b>7,992.00</b>	<b>0</b>	<b>7,992.00</b>
<b>7th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>8th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>9th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>10th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>



**TOTAL COST FOR I HA.**

Sl. No.	Year	No. person days	Labour Cost @ Rs.333/-	Material Cost (Rs.)	Monitoring Evaluation, Learning, Documentation and other Contingency (5%) of (4+5)	Cost of Seedlings @ Rs.53.0486/- per seedlings	Total Cost (Rs.)
1	0th year	57	18981	3600	973	0	23,554.00
2	1st year	76.5	25474.5	14600	1918.5	58353.46	1,00,346.46
3	2nd year	38.5	12820.5	4475	821.5	5304.86	23,421.86
4	3rd year	36	11988	3800	749	0	16,537.00
5	4th year	21	6993	0	326	0	7,319.00
6	5th year	21	6993	0	326	0	7,319.00
7	6th year	24	7992	0	373	0	8,365.00
8	7th year	21	6993	0	326	0	7,319.00
9	8th year	21	6993	0	326	0	7,319.00
10	9th year	21	6993	0	326	0	7,319.00
11	10th year	21	6993	0	326	0	7,319.00
<b>Total:-</b>		<b>358</b>	<b>1,19,214.00</b>	<b>26,475.00</b>	<b>6,791.00</b>	<b>63,658.32</b>	<b>2,16,138.32</b>

**TOTAL PROJECT COST FOR I.12 HA.**

Sl. No.	Year	No. Mandays	Labour Cost @ Rs.333/-	Material Cost (Rs.)	MELD & Other Contingency (5%) of (4+5)	Cost of Seedlings @ Rs.53.0486/- per seedlings	Total Cost (Rs.)
1	0th year	63.84	21258.72	4032.00	1089.76	0	26,380.48
2	1st year	85.68	28531.44	16352.00	2148.72	65355.88	1,12,388.04
3	2nd year	43.12	14358.96	5012	920.08	5941.44	26,232.48
4	3rd year	40.32	13426.56	4256	838.88	0	18,521.44
5	4th year	23.52	7832.16	0	365.12	0	8,197.28
6	5th year	23.52	7832.16	0	365.12	0	8,197.28
7	6th year	26.88	8951.04	0	417.76	0	9,368.80
8	7th year	23.52	7832.16	0	365.12	0	8,197.28
9	8th year	23.52	7832.16	0	365.12	0	8,197.28
10	9th year	23.52	7832.16	0	365.12	0	8,197.28
11	10th year	23.52	7832.16	0	365.12	0	8,197.28
<b>Grand Total:-</b>		<b>400.96</b>	<b>1,33,519.68</b>	<b>29,652.00</b>	<b>7,605.92</b>	<b>71,297.32</b>	<b>2,42,074.92</b>
<b>OR</b>							<b>2,42,075.00</b>
<b>(Rupees Two Lakh Forty-Two Thousand Seventy-Five) Only</b>							



Signature of the Officer  
in Charge

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
1	2022-23	23554	100346	23422	16537	7319	7319	8365	7319	7319	7319	7319											247719
2	2023-24	23554	105364	25823	19144	8896	9341	11210	10299	10813	11354	11922	12518										260105
3	2024-25		24732	110632	27114	20101	9341	9808	11770	10813	11354	11922	12518	13144									273111
4	2025-26			25968	116164	28469	21106	9808	10299	12359	11354	11922	12518	13144	13801								286766
5	2026-27				27267	121972	29893	22161	10299	10813	12977	11922	12518	13144	13801	14491							301105
6	2027-28					28630	128070	31388	23269	10813	11354	13626	12518	13144	13801	14491	15216						316160
7	2028-29						30062	134474	32957	24433	11354	11922	14307	13144	13801	14491	15216	15976					331968
8	2029-30							31565	141198	34605	25654	11922	12518	15022	13801	14491	15216	15976	16775				348566
9	2030-31							33143	148257	36335	26937	26937	12518	13144	15773	14491	15216	15976	16775	17614			365994
10	2031-32								34800		155670	38152	28284	13144	13801	14491	17390	15976	16775	17614	18495		384294

(Rupees Two Lakh Forty-Seven Thousand Seven Hundred Nineteen) Only

  
 DIVISIONAL FOREST OFFICER  
 CUTTACK FOREST DIVISION



SMC Works Model-C			
Cost Norms for creation of Afforestation with stabilization of Soil & Conservation of Moisture (1000 Plants/ Ha).			
Sl. No.	Items of work	Preferable Period of Execution	Total Cost (Rs.)
<b>0<sup>th</sup> Year (Pre-Planting Operation)</b>			
1	Nil		0
<b>1<sup>st</sup> Year</b>			
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Dyke & WHS as per the slope & site requirement on LS.	Apr/Sept	20,215.00
<b>2<sup>nd</sup> Year</b>			
3	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>3<sup>rd</sup> Year</b>			
4	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>4<sup>th</sup> Year</b>			
5	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>5<sup>th</sup> Year</b>			
6	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>Total</b>			<b>32,343.00</b>

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 333/- per day	Material Cost	Total Cost (Rs)
1	0 <sup>th</sup> Year	0	0.00	0.00	0.00
2	1 <sup>st</sup> Year	0	0.00	20,215.00	20,215.00
3	2 <sup>nd</sup> Year	0	0.00	3,032.00	3,032.00
4	3 <sup>rd</sup> Year	0	0.00	3,032.00	3,032.00
5	4 <sup>th</sup> Year	0	0.00	3,032.00	3,032.00
6	5 <sup>th</sup> Year	0	0.00	3,032.00	3,032.00
<b>Total</b>		<b>0</b>	<b>0.00</b>	<b>32,343.00</b>	<b>32,343.00</b>

Abstract for 1.12 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 333/- per day	Material Cost	Total Cost (Rs)
1	0 <sup>th</sup> Year	0	0.00	0.00	0.00
2	1 <sup>st</sup> Year	0	0.00	22640.80	22,640.80
3	2 <sup>nd</sup> Year	0	0.00	3395.84	3,395.84
4	3 <sup>rd</sup> Year	0	0.00	3395.84	3,395.84
5	4 <sup>th</sup> Year	0	0.00	3395.84	3,395.84
6	5 <sup>th</sup> Year	0	0.00	3395.84	3,395.84
Total		0	0.00	36224.16	36,224.16
OR					36,224.00
(Rupees Thirty-Six Thousand Two Hundred Twenty-Four)only					

Divisional Officer  
 District Collector



Matrix for (SMC) for 1Hs.

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
Base Norm		0	20,215	3,032	3,032	3,032	3,032																35634
1	2022-23	0	21226	3343	3510	3685	3870																37415
2	2023-24		0	22287	3510	3685	3870	4063															39286
3	2024-25			0	23401	3685	3870	4063	4266														41250
4	2025-26				0	24571	3870	4063	4266	4480													43313
5	2026-27					0	25800	4063	4266	4480	4704												45478
6	2027-28						0	27090	4266	4480	4704	4939											47752
7	2028-29							0	28445	4480	4704	4939	5186										50140
8	2029-30								0	29867	4704	4939	5186	5445									52647
9	2030-31									0	31360	4939	5186	5445	5717								55279
10	2031-32										0	32928	5186	5445	5717	6003							

(Rupees Thirty-Five Thousand Six Hundred Thirty-Four) Only



DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION

Water Model-W-II		
Water provision to Plantation		
Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wage Rate @ 333/-		
Year of Installation (0 <sup>th</sup> Year)		
1	Cost of Bore well	1,50,000.00
2	Cost of Diesel pump Set 5 HP	60,000.00
3	Diesel pump set & accessories like	30,000.00
4	Water Storage Tanks/ Flexible pipes	15,000.00
	<b>Total</b>	<b>2,55,000.00</b>
Cost of Water per Plant(2,55,000/5000)=Rs.51/-		51,000.00
Cost of Water per Ha.=Rs.51,000/-		
1 <sup>st</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 5 Month=100 MDx333=	33,300.00
	<b>Total</b>	<b>54,300.00</b>
2 <sup>nd</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>
3 <sup>rd</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>
4 <sup>th</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>
5 <sup>th</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>



Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.333/- per day	Material Cost	Total cost (Rs.)
1	0 <sup>th</sup> Year	0	0.00	51,000.00	51,000.00
2	1 <sup>st</sup> Year	100	33,300.00	21,000.00	54,300.00
3	2 <sup>nd</sup> Year	160	53,280.00	28,650.00	81,930.00
4	3 <sup>rd</sup> Year	160	53,280.00	28,650.00	81,930.00
5	4 <sup>th</sup> Year	160	53,280.00	28,650.00	81,930.00
6	5 <sup>th</sup> Year	160	53,280.00	28,650.00	81,930.00
Total		740	2,46,420.00	1,86,600.00	4,33,020.00

Abstract for 1.12 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.333/- per day	Material Cost	Total cost (Rs.)
1	0 <sup>th</sup> Year	0.0	0.00	57,120.00	57,120.00
2	1 <sup>st</sup> Year	112.0	37296.00	23,520.00	60,816.00
3	2 <sup>nd</sup> Year	179.2	59673.60	32,088.00	91,761.60
4	3 <sup>rd</sup> Year	179.2	59673.60	32,088.00	91,761.60
5	4 <sup>th</sup> Year	179.2	59673.60	32,088.00	91,761.60
6	5 <sup>th</sup> Year	179.2	59673.60	32,088.00	91,761.60
Total		828.8	275990.40	2,08,992.00	4,84,982.40
				Or	4,84,982.00
(Rupees Four Lakh Eighty-Four Thousand Nine Hundred Eighty-Two )Only					

  
 Divisional Forest Officer  
 Cuttack Forest Division

Matrix for Watering WH (Diesel Pump set with Borewell) over 1 Ha.

Sl. No.	Common cement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
Base Norm	51000	54300	81930	81930	81930	81930	81930																
1	2022-23	51000	57015	90328	94844	99586	104566																497339
2	2023-24		53590	59866	64844	69586	74566	109794															522206
3	2024-25			56228	62859	69586	76406	83345	115284														548316
4	2025-26				59039	66002	72767	79794	86845	121048													575732
5	2026-27					61991	69102	76767	84406	921048	127100												604519
6	2027-28											133455											634745
7	2028-29												140128										666482
8	2029-30													147135									699806
9	2030-31														154491								734797
10	2031-32															162216							771536

(Rupees Four Lakh Ninety-Seven Thousand Three Hundred Thirty-Nine) Only

  
 DIVISIONAL FOREST OFFICER  
 CUTTACK FOREST DIVISION



# BALASORE ALLOYS LIMITED



CIN L27101OR1984PLC001354

Annexure-2005


Proposal for diversion 64.119 ha. of Salak Kinson forest land as on 15.10.1990 within mining lease area of 64.863 ha. for Chromite mining in Kallapani Chromite Mines of M/s Balasore Alloys Ltd in Belpur district, Odisha

## Undertaking


We do hereby undertake that, Planting of adequate drought Hardy plant species and sowing of seeds, in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved scheme prepared and approved by RCEF, Amargal, Odisha shall be carried out in accordance with the approved Plan of mining in consultation with the State Forest Department at our Kallapani Chromite Mines of M/s Balasore Alloys Ltd.



For Balasore Alloys Ltd

  
Rajendra Kumar Akula  
Managing Director

COUNTERSIGNED

  
Divisional Forest Officer  
Cuttack Forest Division

SCHEME FOR  
CONSTRUCTION OF CHECK DAMS,  
RETENTION/TOE WALLS TO ARREST SLIDING  
DOWN OF THE EXCAVATED MATERIAL ALONG  
THE CONTOUR  
IN  
KALIAPANI CHROMITE MINES  
OF  
M/S BALASORE ALLOYS LIMITED  
UNDER  
CUTTACK FOREST DIVISION

(Condition No -2, Xxv(c) of Stage-I Forest Clearance Order Vide Letter No.F.No.8-14/2016-FC dated 18th November,2016" Of Govt. Of India, Ministry of Environment , Forest & Climate Change,New Delhi)



**SITE SPECIFIC SCHEME FOR CONSTRUCTION OF CHECK DAMS, RETENTION / TOE WALLS TO ARREST SLIDING DOWN OF THE EXCAVATED MATERIAL ALONG THE CONTOUR WITHIN KALIAPANI CHROMITE MINES OF M/S BALASORE ALLOYS LIMITED IN JAJPUR DISTRICT UNDER CUTTACK FOREST DIVISION.**

**1. INTRODUCTION**

M/s. Balasore Alloys Limited (BAL) formerly Ispat Alloys Limited, has its Registered Office at Balgopalpur, District Balasore, Odisha. The Company has its Captive Chromite Mines at Kaliapani, tehsil Sukinda Dist: Jajpur, Odisha. Mining Lease deed with respect to 64.463 ha area was duly executed between M/s Balasore Alloys Ltd and Collector, Jajpur on 15.7.2000 with validity of Lease up to 16.07.2030. Mining operation in the Lease hold area was started in Sept' 2000 and is still continuing. Since inception total area of 64.463 ha is mentioned as Non-forest land mining operation is going on over the area with all statutory approval accordingly. As per Sabik record of the same area it found out of 64.463 ha ML area, 64.119 ha was classified as Sal Jungle i.e., Forest Kissam as on 25.10.1980 and balance 0.344 ha as road (Non-Forest).

Accordingly Proposal was submitted on 01.01.2016 Vide No FP/OR/MIN/11934/2015, State SI No: OR-025/2016 for diversion of forest land involved. Thereafter, our proposal was considered and File no: 8-14/2016-FC and Stage-I approval in principle is accorded on 18th November, 2016 by MoEF & CC, Government of India

As per condition No. 2(xxv)(c) of the Stage-I F.C. approval, the User Agency shall take up *"Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme"* at project cost.

In compliance with this condition, a comprehensive Scheme is prepared for implementation of the same in the entire area of the said mining lease.

Dumping of overburden is done in retreating method. Since the material is loose type in nature so it is susceptible to erosion. The natural slope being steep, it will contaminate the streams down the hill with sediments during the rain. In order to protect the dump, it is designed in such a manner that the wash-out should be minimum. Terrace of 20 mtr height with up to 28° slopes are effective. Garland drain and Retaining wall at the toe of the dump is planned and constructed to minimise the soil erosion. The drain is planned to be maintained in regular interval. It is planned, in addition to the engineering design, vegetative protection of the dump surface by plantation, once the dump is declared saturated. At the conceptual stage, the dump yard becomes stable with good forest growth over it which resembles like original vegetative cover.

BAL has already constructed adequate retaining wall of 1471 mtr around the waste dump and Garland drains of 2556 mtr. around the waste dump and side of haul road. Further to stabilise the waste dump BAL has already covered with plantation over 33.5 ha ha area and the remaining area in the dump, whenever saturated will be taken for plantation in progressive and phased manner.



Since there is possibility of flow of wash-offs towards the low lying area & natural course, contamination of surface water is likely to occur due to (a) discharge of water from mine, vehicle washing etc and (b) rain water overflowing from dumps, stacks etc, which needs management for prevention & control of water pollution.

Gabion wall has been constructed around Dump-3 and retaining wall has been constructed around Dump-2 for heightening the OB dump. During 3<sup>rd</sup> year (2022-23) of the plan period, retaining wall will be constructed around the OB Dump-2 to retain the wash-off materials. Brick / OB boulders will be utilized for construction of retaining wall and sand as well as cement will be used for the binding of the boulders. The protective measures like gabion wall / retaining wall, garland drain and settling tank already built up and to be built up around the waste dumps in the M.L. area are as follows:

Name of Dump	Name of protective measure	Existing	Proposed
Dump-1	Gabion wall	825m (L)	---
	Garland drain	784m (L) x 1m (W) x 0.5m (D)	420 m
	Settling tank	1 no.	-----
Dump-2	Garland drain	738m (L) x 1m (W) x 0.5m (D)	340 m
Dump-3	Retaining wall	582m (L)	400m
	Garland drain	1034m (L) x 1m (W) x 0.5m (D)	420 m
	Settling tank	3 Nos.	2 Nos.

Water flowing from the dumps will be routed through garland drain & settling tank to settle the wash-off materials and release the clean water.

The estimated cost of construction of garland drain has been estimated to be Rs 84,266.75 (Annexure-II). *and for Retaining wall as per Annexure - I.*

**Excavation of Settling Ponds near toe of the OB dump:** It is proposed to excavate 1 nos of settling pond near the toe of the proposed OB dump with dry masonry wall to arrest the silt laden water from the garland drains and helps in sedimentation of residues and allows to flow of water. The size of the pond shall be 15 mtr x 10 mtr x 2 mtr in depth. These ponds are proposed to be cleaned on regular intervals. The sketch of plan and cross section of the settling ponds are being shown as under:

The proposed ponds are to be dug out by the side of garland drain. The estimated cost for this work is to be Rs. 50,986.00 (Annexure-III).

#### FINANCIAL FORECAST

Sl. No.	Particulars of interventions	Quantity	Financial involvement (Rs)
1	Development of crated boulder masonry wall.	400 mtr	15,60,874.00
2	Excavation of garland drain.	1180 mtr	84,267.00
3	Excavation of settling ponds.	2 No	50,985.00
<b>Total</b>			<b>16,96,126.00</b>



The above item of works amounting Rs 16, 96,126.00 (Rupees Sixteen Lakhs Ninety Six Thousand One Hundred Twenty Six only) shall be taken up to safeguard sliding down material from the dump and protect the water bodies.

  
Divisional Forest Officer  
Cuttack Division

*Approved for Rs. 16,96,126/-*

  
Regional Chief Conservator  
of Forests, Angul Circle.

Annexure-I

**A. Development of crate boulder masonry near proposed OB dump**  
(Length of the wall = 400 mtr.)

1) E/W excavation by mechanical means.

Qty. 400 mtr x 2mtr x 0.3mtr = 240 Cum  
Expenses for excavation = 240 Cum @ Rs. 66.39 = Rs. 15,933.60

2) Providing crate boulder.

Bottom layer: 400m x 1.5m x 1.00 = 600.00Cum

Second layer: 400m x 1.00m x 1.00m = 400.00Cum

1000.00 Cum

@ Rs. 1544.94/Cum

= Rs. 15,44,940.00

Total = Rs. 15,60,873.60

Annexure-II

**B. Excavation of Earthen drain (Garland drain) near proposed OB dump**

1) E/W excavation by mechanical means.

15mtr x 10 mtr x 2 mtr = 1180.00 Cum

= 1180.00 Cum @ Rs. 57.13/cum

= Rs. 84,266.75

or say 84,267.00

Annexure-III

**C. Excavation of Settling Pond near Toe of Proposed OB dump.**

1) E/W excavation by mechanical means.

15m x 10 m x 2m x 2 = 600.00 Cum

= 600.00 Cum @ Rs. 57.13/Cum

= Rs. 34278.00

2) Dry masonry wall. 2 nos. x 6.00mtr x (1.60mtr+1.00mtr)/2 x 2mtr = 31.2 Cum

Rs. 535.48/Cum = Rs. 16,706.98

Total 1+2

= Rs. 50,984.98

or Say Rs. 50,985.00

Grand Total (A+B+C): Rs. 15,60,873.60 + Rs. 84,267.00 + Rs. 50,985.00 = Rs. 16,96,125.60 or  
say Rs. 16,96,126.00 (Rupees Sixteen Lakh Ninety-Six Thousand One Hundred Twenty-Six  
only).





Proposal for diversion 64.119 ha. of Sabik Kissam forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

Undertaking

We do hereby undertake that, Construction of check dams, retention / toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme prepared and approved by RCCF, Anugul, Odisha shall be carried out in accordance with the approved Plan of mining in consultation with the State Forest Department at our Kaliapani Chromite Mines of M/s Balasore Alloys Ltd.



For Balasore Alloys Ltd

  
Nagendra Kumar Akula  
Managing Director

**COUNTERSIGNED**

  
Divisional Forest Officer  
Cuttack Forest Division




Proposal for diversion 64.119 ha. of Sabik KISSAM forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

## Undertaking

We do hereby undertake that, activities to stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of repose at any given place is less than  $28^{\circ}$ ; in accordance with the approved scheme prepared and approved by RCCF, Anugul, Odisha shall be carried out in accordance with the approved Plan of mining in consultation with the State Forest Department at our Kaliapani Chromite Mines of M/s Balasore Alloys Ltd.



For Balasore Alloys Ltd

  
Nagendra Kumar Akula  
Managing Director

**COUNTERSIGNED**

  
Divisional Forest Officer  
Cuttack Forest Division



**SCHEME FOR**  
**MANAGEMENT OF TOP SOIL**  
**AT KALIAPANI CHROMITE MINES**  
**OF**  
**M/S BALASORE ALLOYS LIMITED**  
**(In lieu of diversion of 64.119 hectare of Forest Land)**

Compliance to: (Condition No -2. Xxv.e) of Stage-I Forest Clearance Order Vide Letter No.F.No.8-14/2016-FC dated 18th November, 2016" of Govt. Of India, Ministry of Environment, Forest & Climate Change, New Delhi)

## **SCHEME FOR MANAGEMENT OF TOP SOIL AT KALIAPANI CHROMITE MINES OF M/S BALASORE ALLOYS LIMITED**

(As per condition (Condition No -2. Xxv.e) of Stage-I Forest Clearance Order Vide Letter No.F.No.8-14/2016-FC dated 18th November, 2016" of Govt. Of India, Ministry of Environment, Forest & Climate Change, New Delhi)

### **1. INTRODUCTION**

M/s. Balasore Alloys Limited (BAL) formerly Ispat Alloys Limited, has its Registered Office at Balgopalpur, District Balasore, Odisha. The Company has its Captive Chromite Mines at Kaliapani, tehsil Sukinda Dist:Jajpur, Odisha. Mining Lease deed with respect to 64.463 ha area was duly executed between M/s Balasore Alloys Ltd and Collector, Jajpur on 15.7.2000 with validity of Lease up to 16.07.2030. Mining operation in the Lease hold area was started in Sept' 2000 and is still continuing. Since inception total area of 64.463 ha is mentioned as Non-forest land mining operation is going on over the area with all statutory approval accordingly. As per sabik record of the same area it found out of 64.463 ha ML area, 64.119 ha was classified as Sal Jungle i.e., Forest Kissam as on 25.10.1980 and balance 0.344 ha as road (Non-Forest).

Accordingly Proposal was submitted on 01.01.2016 Vide No FP/OR/MIN/11934/2015, State SI No: OR-025/2016 for diversion of forest land involved. Thereafter, our proposal was considered and File no: 8-14/2016-FC and Stage-I approval in principle is accorded on 18th November, 2016 by MoEF & CC, Government of India

As per condition (Condition No -2. Xxv.d) of Stage-I Forest Clearance Order Vide Letter No.F.No.8-14/2016-FC dated 18th November, 2016" of Govt. Of India, Ministry of Environment, Forest & Climate Change, New Delhi

*"No damage shall be caused to the top soil and the user agency will follow the top soil management plan".*

In compliance to this condition a plan for management of top soil has been prepared:

The purpose of this scheme is to prescribe methods to manage top soil/sub soil effectively so as to preserve & conserve natural resources which has been formed after several years of natural processes.

### **2. Top Soil management.**

In order to manage the top soil the following suggestions are put forth and to be practiced.

- ✓ Top soil likely to be generated/collected is to be stacked at earmarked place.
- ✓ Stack shall be maintained with a slope less than 28°.
- ✓ Provision of retaining wall and garland shall be provided all around the top soil stack.
- ✓ The top soil Stack shall be covered with a tarp/coir mat.
- ✓ Broadcasting of grass seed over the top soil stack shall be taken up.
- ✓ During reclamation, the top soil may be utilized for tree plantation.
- ✓ The soil under tree plantation is to be taken as soon as possible and covered with mulch to prevent the soil from washing or blowing away.



- ✓ Generation of Top Soil & its utilization will be recorded in a hard bound register and copy of the same to be provided for reviewing to the authorities.

### 3. Present Scenario:

Mining Lease over 64.463 ha at village Kaliapani has been granted in 2002 to produce Chrome ore for captive use by M/s Balasore Alloys Limited. The Mines has one Quarry, three nos. of waste dumps inside the ML Area and the remaining area are being used for other mining activities. Total lease area has been utilized during course of mining as follows

Sl. No.	Type of land use (in ha)	Area at the beginning of the proposal period	Area proposed under activity	Actual Area utilized in the proposal period
1	Mining	20.130	20.625	20.154
2	Mineral storage	1.478	1.478	1.478
3	Mineral Beneficiation plant	0.890	0.890	0.890
4	Township	NIL	NIL	NIL
5	Tailing Pond	0.020	0.020	0.020
6	Railways	NIL	NIL	NIL
7	Roads	3.244	3.244	3.244
8	Infrastructure (Workshop, administrative building etc.)	1.471	1.471	1.471
9	OB/waste dump	34.325	36.325	34.325
10	Top soil preservation	NIL	NIL	NIL
11	Others (ETP & Magazine and Plantation in safety zone)	0.410	0.410	0.410
12	<b>Total area put to use</b>	<b>61.968</b>	<b>64.463</b>	<b>61.992</b>
13	Excavated area reclaimed	NIL	NIL	NIL
14	Waste dump area reclaimed	NIL	NIL	NIL
15	Undisturbed Area	2.495	NIL	2.471
—	<b>Total</b>	<b>64.463</b>	<b>---</b>	<b>64.463</b>

### TOPSOIL MANAGEMENT AS APER APPROVED MINING PLAN

Cumulative Work Done as on Date				
Sl. No.	Top Soil Generated (m <sup>3</sup> )	Top Soil Utilized (m <sup>3</sup> )	Topsoil Stored (m <sup>3</sup> )	Total expenditure incurred as on date (Rs.)
1	NIL	N.A	NIL	N.A

Year Wise Proposal				
Year	Topsoil Generated (m <sup>3</sup> ) (A)	Topsoil Utilized (m <sup>3</sup> ) (B)	Topsoil Stored (m <sup>3</sup> ) (A-B)	Estimated Expenditure (INR)
2022-23	NIL	N.A	N.A	N.A
2023-24	NIL	N.A	N.A	N.A
2024-25	NIL	N.A	N.A	N.A

Hence there will be additional area shall be mined in phased manner for extraction of Chrome ore. So there will be topsoil generation during the Mining of the proposed area.

Approved.

  
Regional Chief Conservator  
of Forests, Angul Circle.

  
Divisional Forest Officer  
Cuttack Forest Division



COLLECTORATE : JAJPUR

Ph. 06728-222001 (O), 222330 (R), FAX - 222087  
E-mail: [dm-jajpur@nic.in](mailto:dm-jajpur@nic.in), web site: [www.jajpur.nic.in](http://www.jajpur.nic.in)  
(ST & SC DEV. SECTION)

No. 363 /Date. 26/2/16

To

The Divisional Forest Officer,  
Cuttack Forest Division, Ghatakul,  
Nuapara, Cuttack.

Sub:-

Issuance of certificate under Forest Rights Act, 2006 in  
connection with Kaliapani Chromite Mines of Balasore  
Alloys Ltd.

Ref:-

Letter No. 2253 Dt. 23.04.2015 of Vice President, Balasore  
Alloys Ltd.

Sir,

In inviting a reference to the letter on the captioned subject  
cited above, I am directed to enclose herewith the model certificate  
[64.463 hectares] in Form-II for projects other than liner projects under  
Forest Rights Act, 2006 in favour of M/s. Balasore Alloys Ltd. for  
Kaliapani Chromite Mines for taking further action at your end.

Encl:- As above

Yours faithfully,

  
District Welfare Officer,  
Jajpur

Memo No. \_\_\_\_\_ / Date. \_\_\_\_\_

Copy forwarded to the Vice President, Balasore Alloys Ltd.,  
At/Po- Kaliapani, 755047, Dist- Jajpur for information and necessary  
action.

  
District Welfare Officer,  
Jajpur

**FORM-II**  
*(for projects other than linear projects)*  
Government of Odisha  
Office of the District Collector, Jajpur

No. 359.....

Date. 25.02.16.....

**TO WHOMSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11-9/98-FC (pt.) dated 3<sup>rd</sup> August 2009 wherein the MoEF issued guidelines on submission of evidence for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition Forest Rights) Act, 2006 ('FRA' for short) on the forest land proposed to be diverted for non-forest purposes, it is certified that 64.463 hectares of forest land proposed to be diverted in favour of **M/s. Balasore Alloys Ltd.** for Kaliapani Chromite Mines in Jajpur district falls within jurisdiction of Kaliapani village in Sukinda tahsil.

It is further certified that:

- (a) the complete process for identification and settlement of rights under the FRA has been carried out for the entire 64.463 hectares of forest land proposed for diversion. A copy of records of all consultation and meetings of Forest Rights Committee, Gram Sabha (s), Sub-Division Level Committee and the District Level Committee are enclosed as Annexure- A to Annexure-C.
- (b) the proposal for such diversion (with full details of the project and its implementations, in vernacular/local language) have been placed before each concerned Gram Sabha of forest-dwellers, who are eligible under FRA;
- (c) the each of concerned Gram Sabhas, has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ameliorative measures, if any, having understood



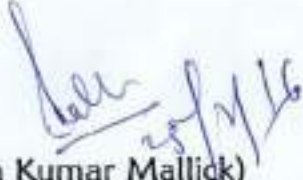
the purpose and details of proposed diversion. A copy of the certificate issued by the Gram Sabha of Kaliapani village is enclosed (as mentioned above).

(d) the discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of the Gram Sabha present;

(e) the diversion of forest land for facilities managed by the Government as required under section 3 (2) of the FRA have been completed and the Gram Sabhas have given their consent to it;

(f) the rights of Primitive Tribal Groups and Pre-Agricultural Communities, where applicable have been specifically safeguarded as per Section 3 (1) (e) of the FRA.

Encl: As above

  
(Satya Kumar Mallick)  
Collector & District Magistrate,  
Jajpur



15

ଚତୁର୍ଥ ଆବେଦନା ନମ୍ବର ୨୦୦୫ ଅନୁସାରେ କାର୍ଯ୍ୟକାରୀ  
ଗ୍ରାମ ସହା/ସହାୟୀ ସହା ଶେଷର ସହା

ଗ୍ରାମ ସହା - କାଳିଦାସୀ

ସହା - କାଳିଦାସୀ ଶିବ ମନ୍ଦିର ପ୍ରାଙ୍ଗଣ

ଗ୍ରାମ ସହାୟକ - କାଳିଦାସୀ

ଡା - ୩୦-୦୮-୨୦୧୫ ରୁ

ସହା - ଶ୍ରୀମତୀ ସାମାଜିକ

ପିନ୍ ୩୦-୦୮-୨୦୧୫ ରୁ ଶ୍ରୀମତୀ ସାମାଜିକ  
ସହାରେ ଚଳୁ କାର୍ଯ୍ୟକାରୀର ସହା ବିଭାଗ ଲାଗୁରୁ କ ର  
ନଂ ୮୩୩ ଡା ୧୫-୦୮-୧୫ ରୁ ଓ ସହା ଶ୍ରୀମତୀ ସାମାଜିକ,  
ସହା କ ର ଚିଠି ନଂ ୧୩୩୩ ଡା ୨୮-୦୮-୨୦୧୫ ରୁ ଅନୁସାରେ  
ସହା ବିଭାଗର କାର୍ଯ୍ୟକାରୀ ଅନୁସାରେ କାଳିଦାସୀ ଶ୍ରୀମତୀ  
ଶିବ ମନ୍ଦିର ପ୍ରାଙ୍ଗଣର ଚତୁର୍ଥ ଆବେଦନା ନମ୍ବର ୨୦୦୫ ର ଦେବା  
୧(୩) ସହାୟକ ଏକ ଗ୍ରାମ ସହା/ସହାୟୀ ସହା କାଳିଦାସୀ ଶ୍ରୀମତୀ  
ଶ୍ରୀମତୀ ସହା ଡାକ୍ତର ସହା/ସହା, ସହା ସହାୟକ ଶ୍ରୀମତୀ ସହା/ସହା  
ସହା, ଚତୁର୍ଥ ଆବେଦନା କରୁଥିବା ସହା/ସହା, ଏବଂ ସହାୟକ ଓ  
ଗ୍ରାମର ସହା ସହାୟକ ସହାୟକ ଶ୍ରୀମତୀ ସହା ଶ୍ରୀମତୀ ସହା ।

ଏହି ସହାୟକ ଶ୍ରୀମତୀ ସହା ସହାୟକ ସହାୟକ କରୁଥିବା  
ଗ୍ରାମ ସହାୟକର ସହାୟକ ସହାୟକ ଓ ସହାୟକ ସହାୟକ ସହାୟକ  
ଆବେଦନା ସହାୟକ ଶ୍ରୀମତୀ ସହା

୧. ସହାୟକ କାଳିଦାସୀ ସହାୟକ
୨. ସହାୟକ ସହା କାଳିଦାସୀ ସହାୟକ
୩. ଗ୍ରାମ ସହାୟକ କାର୍ଯ୍ୟକାରୀ ଆବେଦନା, କାଳିଦାସୀ ଶ୍ରୀମତୀ ସହା
୪. ଶ୍ରୀମତୀ ସହା କାର୍ଯ୍ୟକାରୀ ଗ୍ରାମ ସହା
୫. ସହାୟକ ଶ୍ରୀମତୀ ସହା
୬. ସହାୟକ ସହାୟକ ଆବେଦନା ସହାୟକ
୭. ସହାୟକ ସହାୟକ ସହାୟକ ସହାୟକ ଆବେଦନା ସହାୟକ











16

ଏହି ସମ୍ପର୍କରେ ଉପସ୍ଥିତ ସମସ୍ତ ସ୍ତମ୍ଭ/ସ୍ତମ୍ଭ ଉକ୍ତ ପ୍ରଶ୍ନାନୁସାରେ  
ସମ୍ପର୍କ କରିବା ସହ ଉପର କାର୍ଯ୍ୟକୁ ହ୍ରାସ କରିବା ସାଧ୍ୟ  
ସମ୍ପର୍କ ପ୍ରକାଶ କରିଥିବେ ।

ଏହି କାର୍ଯ୍ୟାଳୟରେ ଉପସ୍ଥିତ ସମସ୍ତ ସମ୍ପର୍କରେ  
ସାମ୍ବନ୍ଧୀୟ ହେଉଥିବା ଏହି ଉପସ୍ଥିତ ସମସ୍ତ ସମ୍ପର୍କରେ  
ସମ୍ପର୍କ କରିବା ସହ ଉପର କାର୍ଯ୍ୟକୁ ହ୍ରାସ କରିବା ସାଧ୍ୟ  
ସମ୍ପର୍କ ପ୍ରକାଶ କରିଥିବେ । ଏହି କାର୍ଯ୍ୟାଳୟରେ  
ସମ୍ପର୍କ କରିବା ସହ ଉପର କାର୍ଯ୍ୟକୁ ହ୍ରାସ କରିବା ସାଧ୍ୟ  
ସମ୍ପର୍କ ପ୍ରକାଶ କରିଥିବେ ।

ଏହି ସମ୍ପର୍କରେ ଉପସ୍ଥିତ ସମସ୍ତ ସମ୍ପର୍କରେ  
ସାମ୍ବନ୍ଧୀୟ ହେଉଥିବା ଏହି ଉପସ୍ଥିତ ସମସ୍ତ ସମ୍ପର୍କରେ  
ସମ୍ପର୍କ କରିବା ସହ ଉପର କାର୍ଯ୍ୟକୁ ହ୍ରାସ କରିବା ସାଧ୍ୟ  
ସମ୍ପର୍କ ପ୍ରକାଶ କରିଥିବେ ।

Simbura  
Sarapani  
Kallapara G.P.

ଅଧ୍ୟକ୍ଷ  
ବାର୍ଦ୍ଧନ ଚନ୍ଦ୍ର ସାହୁ  
ବାର୍ଦ୍ଧନ ଚନ୍ଦ୍ର ସାହୁ

30.9.15  
Forester  
Rajendra

30/9/15  
REVENUE INSPECTOR  
KANKADPAL

Janki Munda  
30.9.15  
Kallapara G.P.

Kallapara G.P.

30.9.2015  
Welfare Extension Officer  
BUKINDA BLOCK  
Samiti Member  
Kallapara G.P.

Pitababhi Dahan  
Janki Munda  
Janki Munda  
Mangla Baral  
Mangla Baral

PROCEEDING OF THE DISTRICT LEVEL COMMITTEE MEETING ON DIVERSION OF  
FOREST LAND FOR USE OF NON-FOREST PURPOSE UNDER ST & OTHER  
TRADITIONAL FOREST DWELLERS (RECOGNITION OF FOREST RIGHTS) ACT,  
2006 HELD ON 09.02.2016 IN THE RESIDENTIAL OFFICE OF COLLECTOR

\*\*\*\*\*

The District Level Committee was convened on 09.02.2016 for conferment of Diversion of Forest Land for use of Non-Forest purpose under ST and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006. The Collector-cum-Chairman presided over the meeting in presence of the following members.

1. Sri Sudarsan Behera, OFS- I (SB), DFO., Cuttack
2. Sri Maheswar Panigrahi, OAS (S), Sub-Collector, Jajpur.
3. Sri Dibakar Munda, ZP Member, Zone No. 3
4. Smt. Sabita Behera, ZP Member, Zone No. 12
5. Smt. Tapaswini Mallik, ZP Member, Zone No. 39
6. Sri Debadutta Mahanta, OAS (I), BDO, Sukinda
7. Sri Nabakrishna Jena, OAS (I), Tahasildar, Sukinda
8. Miss Chetna Sethy, OWS, District Welfare Officer, Jajpur
9. Sri Padan Charan Jena, ADWO, Jajpur
10. Sri Sushil Nayak, Rep. of M/s. IMFA Ltd.
11. Sri Sriram Ch. Dash, Rep. of M/s. IMFA Ltd.
12. Sri Ranjan Ku. Pattanaik, Rep. of M/s. Balasore Alloys Ltd.

Initiating the discussion the Chairman desired to know about the verification report prepared by Tahasildar, Sukinda and the recommendation of Gram Sabha of Kaliapani village for the proposal of Diversion of Forest Land for use of Non-Forest purpose of Mahagiri Chromite Mines, Sukinda Chromite Mines of M/s. IMFA Ltd. & Kaliapani Chromite Mines of M/s. Balasore Alloys Ltd.

The DWO apprised before the committee that, the the Gram Sabha of Kaliapani G.P has recommended the proposal for diversion of Forest Land measuring Ac. 18.28 dec. or 7.397 ha. for use of non-forest purpose by IMFA Ltd. for Mahagiri Chromite Mines and about Ac. 284.29 dec. or 115.05 ha. for Sukinda Chromite Mines & forest land about Ac. 159.29 dec. or 64.463 hec. for use of non-forest purpose by M/s. Balasore Alloys Ltd. for Kaliapani Chromite Mines before the SDLC for approval. The detailed village wise position is given below.



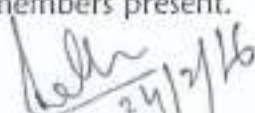
Name of the Agency	Name of the GP	Name of the Village	Area applied for
M/s. IMFA Ltd. (Mahagiri Chromite Mines)	Kaliapani	Kaliapani	Ac. 18.28 dec. or 7.397 ha.
M/s. IMFA Ltd. (Sukinda Chromite Mines)	Kaliapani	Kaliapani	Ac. 284.29 dec. or 115.05 ha.
M/s. Balasore Alloys Ltd. (Kaliapani Chromite Mines)	Kaliapani	Kaliapani	Ac. 159.29 dec. or 64.463 ha.

On verification of the Grama Sabha proceedings forwarded by Block Development Officer, Sukinda, it is revealed that detail discussion was made in the Gram Sava/Palli Sava regarding Forest Right Act., 2006 and its provision and the same was explained to them in odiya vernacular. Further, it is seen the people present in the Gram Sabha have agreed and given their written consent with recommendation for diversion of the forest land of above extent for non-forest use by the M/s. IMFA Ltd. & M/s. Balasore Alloys Ltd. The above areas has been verified by the Revenue Inspector, Kankadapal for determining the possession of land by any claimant under Forest Rights Act- 2006. Moreover, it was found that no individual and community are in possession of the above scheduled land. The same has been confirmed by the Revenue Inspector, Kankadapal through Tahasildar, Sukinda.

Further, the said proposal was also approved by the SDLC giving proper safeguard to the individuals and community claims as per Section 3 (1) (i) & 3(1)(e), 3(2) under Forest Rights Act, 2006 and recommended to DLC for approval. The detail elaborate discussion was made on the recommendation of the SDLC and the District Level Committee approved the Diversion of Forest Land for use of Non-Forest purpose by M/S. IMFA Ltd & M/s. Balasore Alloys Ltd. referred above .

The committee resolved to submit certificate in favour of M/s. IMFA Ltd. & M/s. Balasore Alloys Ltd. for diversion of the above forest area by the Collector as Chairman of District Level Committee on Forest Rights Act, 2006.


The Meeting ended with vote of thanks to the members present.

  
24/2/16  
Collector-cum-Chairman,  
Jajpur

//3//


Memo No. 340 /Date. 24/2/16

Copy forwarded to all members for information and necessary action.

  
Collector-cum-Chairman,  
Jajpur

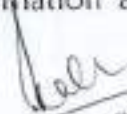
Memo No. 341 /Date. 24/2/16

Copy forwarded to Tahasildar, Sukinda/ Block Development Officer, Sukinda for information and necessary action.

  
Collector-cum-Chairman,  
Jajpur

Memo No. 342 /Date. 24/2/16

Copy forwarded to the Director (ST)-cum-Additional Secretary to Govt., ST & SC Development Department, Odisha, Bhubaneswar for information and necessary action.

  
Collector-cum-Chairman,  
Jajpur



PROCEEDING OF THE MEETING OF THE SUB-DIVISIONAL LEVEL COMMITTEE ON  
DIVERSION OF FOREST LAND FOR NON-FOREST PURPOSE UNDER S.T & OTHER  
TRADITIONAL FOREST DEWELLERS (RECOGNITION OF FOREST RIGHTS) ACT, 2006  
HELD ON 31.12.2015 IN THE OFFICE CHAMBER OF SUB-COLLECTOR, JAJPUR

\*\*\*\*\*

The Sub Divisional Level Committee meeting on Diversion of Forest Land for use of Non-Forest Land under Scheduled Tribe and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 of Jajpur was convened on 31.12.2015 at 4.00PM under Chairmanship of Sub-Collector, Jajpur.

The following members of the committee were present.

1. Sri Ajay Kumar Sahoo, OFS, ACF, Cuttack
2. Sri Kamadeba Dehuri, P.S Member of Sukinda P.S
3. Sri Pandu Tiyyu, P.S Member of Badachana P.S
4. Smt. Sati Dehury, P.S. Member of Dharmasala P.S
5. Sri Debadutta Mahanta, OAS (I), BDO, Sukinda
6. Sri Nabakishna Jena, OAS (I), Tahasildar, Sukinda
7. Miss Chetna Sethy, OWS, District Welfare Officer, Jajpur
8. Sri Padan Charan Jena, ADWO, Jajpur
9. Sri Biswambar Nayak, Rep. of M/s. IMFA Ltd.
10. Sri Sushil Nayak, Rep. of M/s. IMFA Ltd.
11. Sri Sriram Ch. Dash, Rep. of M/s. IMFA Ltd.
12. Sri Ranjan Ku. Pattanaik, Rep. of M/s. Balasore Alloys Ltd.

At the outset, the Chairman welcomed all the members present and initiated the discussion and intimated that the Gram Sabha of Kaliapani G.P has recommended the proposal for diversion of Forest Land amounting Ac. 18.28 dec. or 7.397 ha. for use of non-forest purpose by IMFA Ltd. for Mahagiri Chromite Mines and about Ac. 284.29 dec. or 115.05 ha. for Sukinda Chromite Mines & forest land about Ac. 159.29 dec. or 64.463 hec. for use of non-forest purpose by M/s. Balasore Alloys Ltd. for Kaliapani Chromite Mines before the SDLC for approval. The detailed village wise position is given below.

Name of the Agency	Name of the GP	Name of the Village	Area applied for
M/s. IMFA Ltd. (Mahagiri Chromite Mines)	Kaliapani	Kaliapani	Ac. 18.28 dec. or 7.397 ha.
M/s. IMFA Ltd. (Sukinda Chromite Mines)	Kaliapani	Kaliapani	Ac. 284.29 dec. or 115.05 ha.
M/s. Balasore Alloys Ltd. (Kaliapani Chromite Mines)	Kaliapani	Kaliapani	Ac. 159.29 dec. or 64.463 ha.

On verification of Grama Sabha proceedings forwarded by Block Development Officer, Sukinda, it is revealed that detail discussion was made in the Gram Sava/Palli Sava regarding Forest Right Act., 2006 and implementation of displacement and its implication and rehabilitation was explained to them in odiya vernacular. Further, it is seen the people present in the Gram Sabha had agreed and haven given their written consent with recommendation for diversion of forest land of above extent for non-forest use by the M/s. IMFA Ltd. & M/s. Balasore Alloys Ltd. The above areas has been verified by the Revenue Inspector, Kankadapal for determining the possession of actual extent of Forest land by the individuals and communities for giving safeguard and recognition of Forest Rights Act- 2006. Moreover, it was found that no individual and community are in possession of the above scheduled land. The same has been confirmed by the Revenue Inspector, Kankadapal through Tahasildar, Sukinda.


Then the Chairman wanted to know regarding compensatory measure for afforestation taken by the mentioned mining authorities for the above land. The representatives present in the meeting have also confirmed that, correspondence have been made with the Tahasildar, Darpan/ Dharmasala vide Dist. office Letter No. 3015 Dt. 23.06.15 considering the Letter Dt. 05.06.2015 of Vice President, Head-Corporate Affairs & Legal, IMFA in respect of Mahagiri Chromite Mines & Sukinda Chromite Mines of IMFA & Tahasildar, Darpan/ Dharmasala vide Dist. Office Letter No. 3778 Dt. 05.08.2015 for M/s. Balasore Alloys Ltd. in respect of Kaliapani Chromite Mines for compensatory measure for afforestation. Records prepared with this effect have



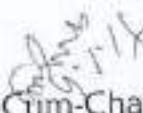
also been placed before the committee for verification. After verification, the same is found correct.

Hence the committee unanimously decided to send the diversion proposal of above said land for use of non forest purpose by M/S. IMFA Ltd. & M/s. Balasore Alloys Ltd. for the above mines to District Level Committee.

The Meeting ended with vote of thanks to the Chair.

  
Sub-Collector-Cum-Chairman, SDLC  
Jajpur

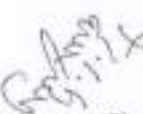
Memo No. 35 / Date. 6/1/16  
Copy forwarded to all members for information and necessary action.

  
Sub-Collector-Cum-Chairman, SDLC  
Jajpur

Memo No. 36 / Date. 6/1/16  
Copy to Tahasildar, Sukinda/BDO, Sukinda for information and necessary action.

  
Sub-Collector-Cum-Chairman, SDLC  
Jajpur

Memo No. 37 / Date. 6/1/16  
Copy submitted to the Collector, Jajpur for favour of kind information.

  
Sub-Collector-Cum-Chairman, SDLC  
Jajpur



# OFFICE OF THE PANCHAYAT SAMITI, SUKINDA

Phone No. 06726-244421, FAX No. 06726-244421

E Mail Id- [ori-sukinda@gramsat.nic.in](mailto:ori-sukinda@gramsat.nic.in)

To-

Letter No. 2679 Dt. 06-11-2015

The District Welfare Officer  
Jajpur

Sub-

Submission of Gram Sabha resolution copy regarding issuance of Certificates under Forest Right Act, 2006 for diversion of forest land for non forest use in connection with Kaliapani Chromite Mines of M/s. Balasore Alloys Ltd.

Ref-

Your Letter No 933 Dt 16-05-2015 arising out of Letter No 2253 of Vice President of M/s Balasore Alloys & Letter No 80 Dt 03-11-2015 of Sarpanch, Kaliapani G.P

Madam,

With reference to the letters on the captioned subject for diversion the below mentioned land for non forest use in connection with Sukinda Chromite Mines of M/s. Balasore Alloys Ltd, one Palliasbha(Gram Sabha) was convened in the concerned village as per following programme for the purpose of issuance of Certificate of No objection and Consent in favour of the proposed diversion fulfilling all the prerequisite Parameters and with required quorum.


## LAND PARTICULARS

Sl No	NAME OF THE TAHASIL	NAME OF THE VILLAGE	Date Of Palli Sabha	Time Of Palli Sabha	Place Of Palli Sabha	Forest Area Proposed for Diversion
1	Sukinda	Kaliapani	30-09-2015	09.00 AM	At the premises of Lord Shiva temple of village Kaliapani	64.463 Ha or 159.29 Ac

The proposed diversion was consented by the local inhabitants and No objection certificate was issued. It is noteworthy to mention here that no lands have been occupied by any Scheduled Tribe and Other Traditional Forest Dwellers in the concerned land as per the report of Revenue officials.

The original proceedings recorded in the Gram Sabha along with other pre requisites is enclosed herewith for taking future course of action at your end.

Yours faithfully,

  
Block Development Officer  
Sukinda

### List of Enclosures

- 1- Gramsabha resolution in original form page 1 to 57
- 2- Photo copy of notice
- 3- Enquiry Report of R.I along with Map.
- 4- Su. Photo along video graph copy of Gram sabha recordings
- 5- Receipt of Registrar Charges.

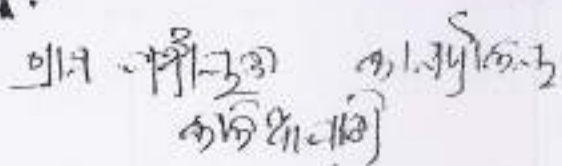
Contd....



Memo No 2680 Date 06-11-2015

Copy submitted to the Tahasildar Sukinda for favour of kind information.

  
Block Development Officer  
Sukinda



12/10/2014

॥ ॐ नमो भगवते वासुदेवाय ॥  
 श्रीगुरुभ्यो नमः ॥ श्रीगुरुभ्यो नमः ॥ श्रीगुरुभ्यो नमः ॥

அ-2/8542

e- ଗ୍ରାମ ସ୍ତର / ପଞ୍ଚାୟତ ସ୍ତର କ୍ଷେତ୍ର ବିବରଣୀ

୩- ଗ୍ରାମ ସଚିବା/ପଞ୍ଚାୟତ ସଭାରେ ଗ୍ରହଣ କରାଯିବ

୪. ପ୍ରାୟ ୫୫/୧୦୦ ବର୍ଷର ଶୁଭ ଚିନ୍ତା (୨୪)

୪ - ଚେଷ୍ଟା ଯଥାର୍ଥ। ଆଶ୍ରିତ ରାଜା

23/10/2019  
Tina's Mum  
23/10/2019  
23/10/2019

निर्देश 2





විත් ප්‍රයත්න භීෂණී ජිවිතා පුලා, ප්‍රදර්ශි කතිතීතා  
 ජනි ව්‍යාප්ත ව්‍යාප්තී තත්ත්ව කල්පාදිතා ।

බිලිපාදානා භානසානීය කොමස පොලිසිකාල ප්‍රා  
 පාදක කල්පිත ව්‍යාප්තී තත්ත්ව කල්පිතා ।

එදිනේ බිලිපාදක ප්‍රාග් භානසානී තත්ත්ව ප්‍රාග්  
 තත්ත්ව ව්‍යාප්ත කල්පාදිතා ।

ප්‍රාග් :

විද්‍යා ප්‍රාග්/ප්‍රාග් ව්‍යාප්ත කල්පිතානී කොමස  
 පාදක තත්ත්ව ව්‍යාප්ත කල්පිත කල්පිත තත්ත්ව  
 ජ 280 90 තා තා 50000 ක්ව ව්‍යාප්ත කල්පිත තත්ත්ව  
 තත්ත්ව ව්‍යාප්ත । ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ජන කොමස කල්පිත ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව

Impermanence  
 Suffering  
 Illness & Death

ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව

ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව  
 ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව ව්‍යාප්ත තත්ත්ව



ଉକ୍ତ ହିସାବରୁ ଜଣାପଡ଼ୁଛି ଯେ ନାଲୁସ୍ଥିର ମାଲୁପଦ୍ମ କୃଷି  
 କଳିଧାମାଣି ଚକ୍ରାମୂଳ ଯାଣି ନିମନ୍ତୁ ମାତ୍ରଦମ କରୁଥିବା ଏ. ୧୫୮.୫  
 ନା ୧୭.୦୪.୪୦୦ ତିନି ମଧ୍ୟରୁ ଚଷମରୁ ସ୍ୱତନ୍ତ୍ରତା ମାତ୍ର ୧୮୮  
 ସୁରାକର ଦିଆଯିବ ଯା ୦୪-୧୦-୮୦ ମଧ୍ୟରୁ ଏକ ମାତ୍ର ଏ. ୧.୮୫  
 ରୁ କିମ୍ବା ଉକ୍ତ (ସିଗ୍ନାଲ) ଦିଆ ଯିବ ମାତ୍ର ଏ. ୧୫୮.୦୦  
 ଯାହାକି ସୁରାକର ଚଷମରୁ ଦିଆଯିବ ।

ନାଲୁସ୍ଥିର ମାଲୁପଦ୍ମ କୃଷି, କଳିଧାମାଣି ଚକ୍ରାମୂଳ ଯାଣିର  
 ଯାଣିଆଦାନରୁ ନିମନ୍ତୁ ମାତ୍ରଦମ କରୁଥିବା ଏ. ୧୫୮.୭୮  
 ଚଷମରୁ ତିନି ମଧ୍ୟରୁ ଚକ୍ରାମୂଳ ତିନି ମାତ୍ରଦମ କିମ୍ବା ସିଗ୍ନାଲ ମାତ୍ର  
 ଉକ୍ତ ନିମନ୍ତୁ ମାତ୍ର ନାଲୁସ୍ଥିର ଉପରୁ କିମ୍ବା ଚକ୍ରାମୂଳ ଉପରୁ  
 ମାତ୍ର କୃଷି ଚକ୍ରାମୂଳ । ଯଦି ସ୍ୱତନ୍ତ୍ର ଚକ୍ରାମୂଳ ମାତ୍ରଦମ କିମ୍ବା ସିଗ୍ନାଲ  
 ମାତ୍ରଦମ ଉକ୍ତ ନିମନ୍ତୁ ମାତ୍ର ନିମନ୍ତୁ ଚକ୍ରାମୂଳ ମାତ୍ରଦମ କିମ୍ବା ସିଗ୍ନାଲ  
 ଉପରୁ ନିମନ୍ତୁ ମାତ୍ର ନିମନ୍ତୁ । ଏକାଧାରରେ ଉକ୍ତ ଚକ୍ରାମୂଳ କିମ୍ବା ସିଗ୍ନାଲ  
 ଯାଣି ଆଦାନ ଚକ୍ରାମୂଳରୁ ହିସାବରୁ ସ୍ୱତନ୍ତ୍ରତା ମାତ୍ର ଦିଆଯିବ ।

ପ୍ରାକ୍ତିକ ଚଷମରୁ ତିନି ଉପରୁ ସ୍ୱାମୀଙ୍କୁ ମାତ୍ରଦମ କିମ୍ବା ସିଗ୍ନାଲ  
 ଉପରୁ ନିମନ୍ତୁ ମାତ୍ର ଚକ୍ରାମୂଳ ଚକ୍ରାମୂଳ ପ୍ରକାର ନାଲୁସ୍ଥିର  
 କିମ୍ବା ଚକ୍ରାମୂଳ ଦାନି ଉପରୁ ମାତ୍ର କରାଯାଉ ନାହିଁ । ଉକ୍ତ ଚଷମ  
 ତିନି ଉପରୁ ଚକ୍ରାମୂଳ ସ୍ୱାମୀଙ୍କୁ ମାତ୍ରଦମ କିମ୍ବା ସିଗ୍ନାଲ ମାତ୍ରଦମ  
 ନିମନ୍ତୁ ମାତ୍ର ଚକ୍ରାମୂଳ ପ୍ରକାର ନାଲୁସ୍ଥିର ନା ଚକ୍ରାମୂଳ ଚକ୍ରାମୂଳ  
 ନାହିଁ । ଯଦି ଉପରୁ ସ୍ୱାମୀଙ୍କୁ ସ୍ୱତନ୍ତ୍ରତା ମାତ୍ରଦମ କିମ୍ବା ସିଗ୍ନାଲ  
 ଉପରୁ ଉକ୍ତ ପ୍ରାକ୍ତିକ ଏ. ୧୫୮.୭୮ ରୁ ଚଷମରୁ ତିନି ଉପରୁ  
 ଚକ୍ରାମୂଳ ସ୍ୱାମୀଙ୍କୁ ମାତ୍ରଦମ କିମ୍ବା ସିଗ୍ନାଲ ମାତ୍ରଦମ ନିମନ୍ତୁ ମାତ୍ର  
 ଚକ୍ରାମୂଳ ନିମନ୍ତୁ ନିମନ୍ତୁ କିମ୍ବା ସିଗ୍ନାଲ ମାତ୍ରଦମ କିମ୍ବା ସିଗ୍ନାଲ  
 ଉପରୁ ଉକ୍ତ ଚଷମରୁ ତିନି ଉପରୁ ସ୍ୱାମୀଙ୍କୁ ମାତ୍ରଦମ କିମ୍ବା ସିଗ୍ନାଲ  
 ମାତ୍ରଦମ ମାତ୍ରଦମ ନିମନ୍ତୁ ମାତ୍ର ଚକ୍ରାମୂଳ ପ୍ରକାର ଚକ୍ରାମୂଳ  
 ଚଷମରୁ ସ୍ୱତନ୍ତ୍ରତା ମାତ୍ରଦମ ନାହିଁ । ଯଦି ଉପରୁ ସ୍ୱାମୀଙ୍କୁ ସ୍ୱତନ୍ତ୍ରତା  
 କରୁଥିବୁ ।

ଏହି କଳିଧାମାଣି ଚକ୍ରାମୂଳ ଉପରୁ ପ୍ରାକ୍ତିକ ଚଷମରୁ  
 ଉକ୍ତ ଚକ୍ରାମୂଳ କରାଯାଉ ଯାଣି ଆଦାନ ଉପରୁ ମାତ୍ରଦମ  
 କରାଯାଉ ଉପରୁ ମାତ୍ରଦମ କରାଯାଉ ଉପରୁ ମାତ୍ରଦମ

Information  
 Service  
 2018





Sub - Convening of patti Sabha / Gram Sabha for issuance of certificate under Forest rights Act - 2006 for diversion of forest land for non-forest use in consonance with Kulparni Charitable Memo of M/s Balasore Alloys Ltd.

Qedar!

ସଦର !  
 ଚନ୍ଦ୍ରସିଂହଦାସ ଶ୍ରୁତିନିକା ନା ଧାନ୍ଦେଶ ସ୍ଥାନୀୟ M/s Balasore Alloy Steel  
 ଟ୍ରୋମାହିର୍ସ ମାହିନ୍ଦ୍ରା ଲିମି. କାଳିଆପାଣି, ବେଙ୍ଗ. ୨୮ ଟା ହେ: ୨୪.୪୦ ମାନ୍ଦ୍ର  
 ପ୍ରାୟ ୧୧୫୫ ସ୍ଥାନୀୟ ତଳାହ ଚଳିତୁ ଅଣାଉଛନ୍ତି ତୁମ୍ଭେ ପରିବର୍ତ୍ତନ  
 କଥାମାହି. ତଳାହ ଧୂସରୀ ଧାତନ - ୨୦୦୦ ଧନୁଷାରେ ମାଣିମାନ ହୁଅନ୍ତି  
 ବାଜଡ଼ା କହିବାକୁ ଧୂସରୀ ଧନୁଷି. ଯେଉଁ ହୁଅ ପ୍ରସ୍ତାବିତ ହୁଅନ୍ତି ହେଉ  
 ଘନସ୍ଥ ୧ ନିଶ୍ଚିତ ମୋକ କହିବାସ୍ଥ ସ୍ୱର୍ଗମାନ ଚନ୍ଦ୍ରସିଂହ ଦାସାହ ଜଳହାମ ନିମ୍ନ  
 ମତେ ପ୍ରଦାନ କରାଗଲା ।

e- M/s Balasore Alloys Ltd. Chromite Minesର କାଳିଧା ମାର୍ବି  
 ଲୋକର ଲୋର୍ସ ବେର୍ସ-୨ର ନା ହେ: ୧୪.୪୩ କୁହୁ ଜମି ଭିତ୍ତିପର୍ବ,  
 ହସ୍ତ ବେର୍ସ-୨ର ନା: ଭିତ୍ତିପର୍ବ ସାମନା ଜଙ୍ଗଲଜମିର ଲୋକର ସାମନା  
 ଖଣ୍ଡଜମି, ନିଜର ଓ ହସ୍ତ ଲୋକର ପରିସର ଭିତ୍ତିମାପ ଓ ଲୋକର ସମସ୍ତ  
 ଲୋକର ସାମନା ଭିତ୍ତିମାପର କମିଶନ ସ୍ଥାନ ନାହିଁ କିନ୍ତୁ ଏକ ପ୍ରକାର  
 ଜଙ୍ଗଲଜମି ନିଜାଲୋକରୁ.

୨-ହସ୍ତ ପ୍ରସ୍ତାବର ଅନୁଯାୟୀ ହାତୁସ୍ଥାନର ମେଳନହୋନାହିଁ ତାହାହ ଗ୍ରହମାନଙ୍କର  
ପର ସେଠାରୁ ମେଳୁ ପଥ ସହିତ ସଂଯୋଗ ହୋନାହିଁ। ହସ୍ତ ଗ୍ରହମାନଙ୍କର  
ହାତୁରେ ୦୧୫୮-୪୪ ହଜାର-୫୩୨୩୩ + ୦୦.୮୫-୦୨ ହଜାର-ହାତୁ  
ମୋଟ ୦୧୫୮-୦୨ ଧରାଭାଗକୁ ଜମି ହୋଇଥିବାବେଳେ, ସ୍ଥାନର ସ୍ୱରାଜ୍ୟ  
୦୧୫୮-୪୪ ହଜାର-ଗାଳିକରାହିଁ + ୦୦.୮୫ ହଜାର-ହାତୁ ହିସାବୁ  
ଦେଖି ସ୍ଥାନର ସ୍ୱରାଜ୍ୟ ୦୧୫୮-୪୪ ହଜାର ଧରାଭାଗକୁ ଜମିରୁ ପରିଗଣନା  
ଧାରଣାପରେ ।

[illegible]

ମୁଁ ଯେଉଁ ଜଣକ ଜଣକ ନିମନ୍ତେ ନିଜର ସ୍ୱାଧୀନତା ଛାଡ଼ି ଦେଇଛି  
 ତାହା ଯେଉଁଠି ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି  
 ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି  
 ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି

ଯେଉଁଠି ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି  
 ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି ଆଜି ଯେଉଁଠି

Yours faithfully  
 R. I. Kantadpal  
 15/9/15





ପ୍ରକାଶନ ନାମ ନିମ୍ନ ପ୍ରାକ୍ତ ଉପାଦାନ ୩୦୦୧/୩/୨୦୧୫

ପ୍ରା. କଲିଆପାଣି

କାଳିଆପାଣି ପୋଷାକର ଖଣିର ଦଳର ନିମ୍ନ  
ଅଞ୍ଚଳର ନିମ୍ନର ଉପାଦାନର ଉପାଦାନର ଉପାଦାନ

- (1) Sanjaya Purty
- (2) Chembur Balmuchu
- (3) Ashok Pradhan
- (4) Ganeswar Mohanta
- (5) Subrat KC Jui
- (6) Maheswar Pradhan.
- (7) Pramod Pradhan
- (8) Prashant Dehury
- (9) Ganeswar Pradhan
- (10) Ganesh Jandali
- (11) Surendra Mahapatra
- (12) ବିନୟ ମହାପାତ୍ର
- (13) Ajin Majhi
- (14) Singi Saini
- (15) ବିନୟ ମହାପାତ୍ର
- (16) Rupasingh enabur
- (17) BULSAN LAMPHI
- (18) ବିନୟ ମହାପାତ୍ର
- (19) Ganesh Harbaga
- (20) Rama Ch Chaki
- (21) ବିନୟ ମହାପାତ୍ର
- (22) Sanatan Gyogari
- (23) ବିନୟ ମହାପାତ୍ର
- (24) ବିନୟ ମହାପାତ୍ର
- (25) ବିନୟ ମହାପାତ୍ର
- (26) Ranjan Korum
- (27) ବିନୟ ମହାପାତ୍ର
- (28) ବିନୟ ମହାପାତ୍ର



(29) Janki S Karkatta

(30) सुद्धा सुद्धा

(31) चर्चेंद्र पद्मि

32 - Rama ch samad

33 - Binod Haribodh

34 - Basuamath Nayak

35 - Narendra Mahanta

36 - Ashobad Mahanta

37 - Puta Mahanta

38 - Chandra Acharya

39 - Rajesh Kumar

40 - Santosh Mahanta

41 - Pintu KC Panda

42 - Rakesh Mahanta

43 - Manoj KC Mahanta

44 - Sagar Nayak

45 - D. Hari Prasad

46 - सुद्धा सुद्धा

(47) - Gopika Bihari Mahanta  
PINTODAS

48) Bhima Prusty

49) सुद्धा सुद्धा

50) Chaitanya Mahanta

51) Manoj Kumar Mahanta

52) सुद्धा सुद्धा

53) Binod Ch Mahanta

Jinife Munda





*Forsy. myrica*

131 ଗାୟତ୍ରୀ ଗେହେରୀ

132 ଶ୍ରୀମଦ୍ଦୟାଳୟ

133 ଶ୍ରୀ ଶ୍ରୀ ଶ୍ରୀ ଶ୍ରୀ

134 ଶ୍ରୀ ଶ୍ରୀ

135 ଶ୍ରୀ ଶ୍ରୀ

136 ଶ୍ରୀ ଶ୍ରୀ

137 ଶ୍ରୀ ଶ୍ରୀ ଶ୍ରୀ ଶ୍ରୀ

138 ଶ୍ରୀ ଶ୍ରୀ

139 ଶ୍ରୀ ଶ୍ରୀ

140 ଶ୍ରୀ ଶ୍ରୀ

141 ଶ୍ରୀ ଶ୍ରୀ

142 ଶ୍ରୀ ଶ୍ରୀ

143 ଶ୍ରୀ ଶ୍ରୀ

144 ଶ୍ରୀ ଶ୍ରୀ

145 ଶ୍ରୀ ଶ୍ରୀ

146

147 Babali menola

148 ଶ୍ରୀ ଶ୍ରୀ

149 Gita Bejara

151 Sharata chandha Bari Ka

152 Dalk Mahanta

153 Trikuhan Mandhale

154 Dadoalhan Barala

155 Kartika Mahanta

156 ଶ୍ରୀ ଶ୍ରୀ

156 ଶ୍ରୀ ଶ୍ରୀ

157 ଶ୍ରୀ ଶ୍ରୀ

158 Keshaba Parashda

159 Baburam menola

160 Tani De

161 ଶ୍ରୀ ଶ୍ରୀ

162 Barika Dandha

163 ଶ୍ରୀ ଶ୍ରୀ

164 ଶ୍ରୀ ଶ୍ରୀ

165 ଶ୍ରୀ ଶ୍ରୀ

166 ଶ୍ରୀ ଶ୍ରୀ

167 ଶ୍ରୀ ଶ୍ରୀ

168 Madusudan Dohary

169 ଶ୍ରୀ ଶ୍ରୀ

170 Rant Magi

171 ଶ୍ରୀ ଶ୍ରୀ

Informant



173 ପ୍ରାଣୀ ସଂସାର  
174 ପ୍ରାଣୀ ସଂସାର  
175 ପ୍ରାଣୀ ସଂସାର  
176 ପ୍ରାଣୀ ସଂସାର  
177 Purnami Mahanta

178 ପ୍ରାଣୀ ସଂସାର  
179 ପ୍ରାଣୀ ସଂସାର  
180 ପ୍ରାଣୀ ସଂସାର  
181 Santi lata mahanta

182 ପ୍ରାଣୀ ସଂସାର  
183 ପ୍ରାଣୀ ସଂସାର  
184 ପ୍ରାଣୀ ସଂସାର  
185 ପ୍ରାଣୀ ସଂସାର  
186 ପ୍ରାଣୀ ସଂସାର

187 କୋକିଳ ସଂସାର  
188 କୋକିଳ ସଂସାର  
189 କୋକିଳ ସଂସାର  
190 କୋକିଳ ସଂସାର  
191 କୋକିଳ ସଂସାର

192 LT: Putuna Bewo  
193 ମାଲିକା ସଂସାର

194 ମାଲିକା ସଂସାର  
195 ମାଲିକା ସଂସାର  
196 ମାଲିକା ସଂସାର  
197 ମାଲିକା ସଂସାର  
198 ମାଲିକା ସଂସାର  
199 ମାଲିକା ସଂସାର

200 LT: Kasebati Dehu

201 ମାଲିକା ସଂସାର

202 ମାଲିକା ସଂସାର  
203 ମାଲିକା ସଂସାର

204 ମାଲିକା ସଂସାର

205 ମାଲିକା ସଂସାର

206 LT: Giris Gajwari

207 ମାଲିକା ସଂସାର

208 Harabati Pradhan

209 Kanta Pradhan

210 ମାଲିକା ସଂସାର

211 Lakshmi Pradhan

212 ମାଲିକା ସଂସାର

213 LT: Banmali Dehu

214 ମାଲିକା ସଂସାର  
215 ମାଲିକା ସଂସାର

ଜିନିଷମାନା  
ମାଲିକା ସଂସାର

206 ନାୟକ ପ୍ରଧାନ

207 କାର୍ତ୍ତିକ ଚନ୍ଦ୍ର

208 [redacted] LT: ଶ୍ରୀମତୀ ଚନ୍ଦ୍ର

209 [redacted] LT: ଶ୍ରୀମତୀ ପ୍ରଧାନ

210 [redacted] LT: ରାଜକି ଚନ୍ଦ୍ର

221 ରବି ଦେବୁରୀ

222 ଜୋ ଦେବୁରୀ

223 ସୁକୁମାରୀ ମାତା

224 ବୃକ୍ଷିଣି ଚନ୍ଦ୍ର

225 ପ୍ରାଚୀନ ପ୍ରଧାନ

226 ଜାନକୀ ଦେବୁରୀ

227 ରମାକାନ୍ତ ରାଉତ

228 Susanti Kanha

229 ଭିକ୍ଷାସି ଦାସୀ

230 ସୁକୁମାରୀ ରାଉତ

231 Amiyubala mohanta

232 ରାଜାସି ଦେବୁ

233 ରେବତୀ ମହାପାତ୍ର

234 Kalyani Dehuri

235 ରମାକାନ୍ତ ଦେବୁରୀ

236 [redacted] LT: Bhagbat Dehuri

237 [redacted] LT: Manu Dehuri

238 [redacted] LT: Sita Dehuri

239 Maniyubala Dehuri

240 [redacted] LT: ରବି ମହାପାତ୍ର

241 [redacted] LT: ପ୍ରଭାକର ମହାପାତ୍ର

242 [redacted] LT: ସୁକୁମାରୀ ମହାପାତ୍ର

243 [redacted] LT: ଗୋପାଳ ସିଂହ

244 [redacted] LT: ରେବତୀ ସିଂହ

245 ମାତା ଦେବୁ

246 ପ୍ରଦେବୁରୀ

247 ମାନସ ଦେବୁରୀ

248 ରେବତୀ ମହାପାତ୍ର

249 ରବି ଚନ୍ଦ୍ର

250 Sanasti Dehuri

251 ସୁକୁମାରୀ ଚନ୍ଦ୍ର

252 [redacted] LT: Ketuka Dehuri

253 ସୁକୁମାରୀ ଚନ୍ଦ୍ର

254 ନରାୟଣ ଚନ୍ଦ୍ର

255 ସୁକୁମାରୀ ଦେବୁରୀ

256 Ajit Kumar Dehuri

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257 Arata Dehuri  
 258 Lalita Dehuri  
 259 Badhimantha Dehuri  
 260 Manasi Dehuri  
 261 Suktasini Dehuri

262 Suktasini Dehuri  
 263 Lalita Dehuri  
 264 Suktasini Dehuri

265 Manasi Dehuri  
 266 Suktasini Dehuri

267 [Redacted] Ti Kandig  
 Patra

268 Parthana Hanhaga

269 Suktasini Dehuri

270 Suktasini Dehuri

271 Suktasini Dehuri

272 Suktasini Dehuri

273 Suktasini Dehuri

274 Suktasini Dehuri

275 Suktasini Dehuri

276 Debananda Hanhaga

280 Suktasini Dehuri

281 Suktasini Dehuri

282 Suktasini Dehuri

283 Suktasini Dehuri

284 Suktasini Dehuri

285 Suktasini Dehuri

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285 Suktasini Dehuri  
 286 Suktasini Dehuri  
 287 Suktasini Dehuri  
 288 Suktasini Dehuri

289 Suktasini Dehuri

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294 Suktasini Dehuri

295 Suktasini Dehuri

296 Suktasini Dehuri

297 Suktasini Dehuri

298 Suktasini Dehuri

299 Suktasini Dehuri

Debananda Hanhaga

303 Tema chakhi

304 ବିମଳା କାନ୍ତୁଆ

305 ବନମାଳି ମହାନ୍ତି

306 Ajit mohanta

307 Manchi Patia

308 LT: ଶ୍ରୀହରୀ ମୁଖାର୍ଜୀ

309 Dashum u mundla

310 LT: ସେନେ ମହାନ୍ତି

311 Gustin Lal munda

312 ମହମ୍ମଦ ମୁକ୍ତା

313 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

314 Singinai munda

315 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

316 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

317 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

318 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

319 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

320 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

321 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

322 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

323 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

324 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

325 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

326 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

327 Giden San Redara

329 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

330 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

331 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

332 Belapurady

333 Singarayy

334 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

335 Sanatan

336 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

337 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

338 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

339 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

340 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

341 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

342 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

343 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

344 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

345 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

346 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

347 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

348 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

349 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

350 LT: ଶ୍ରୀମତୀ ସୁମିତ୍ରା

351 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

352 ଶ୍ରୀମତୀ ସୁମିତ୍ରା

353 ଶ୍ରୀମତୀ ସୁମିତ୍ରା



- 356 Bishen Kesor Sena  
 357 Rajan Kumar Bhayan.  
 358 Pishen 2 Jhand  
 359 Jata 2 Jhand  
 360 Chandan Mohan Mahanta  
 361 Netranandan Mahanta  
 362 Pishan Mahanta  
 363 Pishan Mahanta  
 364 Anand Kumar Mahanta  
 365 Pishan Mahanta  
 366 Satyadhan Sena  
 367 Sanjay Dehury  
 368 Upksha Dehury  
 369 Balanti Dehury  
 370 Balanti Dehury  
 371 Kamal Chandra Dehury  
 372 Sanjay K. Mahanta  
 373 Ravi Kumar  
 374 Lata Gargan  
 375 Mahan Dehury  
 376 Balanti Dehury  
 377 Mahanta Gargan  
 378 Surendra Hanaga  
 379 Rajan K. Dehury  
 380 Mahanta Mahanta  
 381 Sanjay Kumar

- 383 Sanjay Mahanta  
 384 Sanjay Mahanta  
 385 Pishan Mahanta  
 386 Laxman Mahanta  
 387 Anand Mahanta  
 388 Pishan Mahanta  
 389 Pishan Mahanta  
 390 Pishan Mahanta  
 391 Pishan Mahanta  
 392 Pishan Mahanta  
 393 Sanjay K. Mahanta  
 394 Sanjay K. Mahanta  
 395 Pishan Mahanta  
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 405 Pishan Mahanta

407 Bind Maharana  
 408 Ghanashyam Gogoi  
 409 ବିଜୟ ବେହେରା  
 410, ଭୂମିନାଥ ପ୍ରଧାନ  
 411 Purib Kahan Kona  
 412 Dakshia Patra  
 413 Binod Kumar  
 414 Jagannath Pradhan  
 415 ବିଜୟ ବେହେରା  
 416 Ananta Harshya  
 417 ଦିନ ମୁଖା  
 418 Ananta K. K.  
 419 Madhu Kahan K.  
 420 Sakina Hamedah  
 421 Rono Ch Samad  
 422 Sudam Mohanta  
 423 ଶ୍ରୀ ପ୍ରମୋଦ ସାହୁ  
 424 [Redacted] LT: ପ୍ରମୋଦ ସାହୁ  
 425 [Redacted] LT: ଭବିଷ୍ୟ ଦେବୁ  
 426 [Redacted] LT: ପ୍ରମୋଦ ସାହୁ  
 427 ମାଲିକ ସିଂହ  
 428 Ananta K. K.

430 Sukanta Majhi  
 431 Subu Majhi  
 432 Bapun Majhi  
 433 ରାଜିତା ମହାନ୍ତି  
 434 ପ୍ରମୋଦ ମହାନ୍ତି  
 435 ରାଜିତା ମହାନ୍ତି  
 436 ଲୋକନାଥ ମହାନ୍ତି  
 437 ରାଜିତା ମହାନ୍ତି  
 438 [Redacted] LT: ପ୍ରମୋଦ ସାହୁ  
 439 ବିଜୟ ବେହେରା  
 440 [Redacted] LT: ବିଜୟ ବେହେରା  
 441 [Redacted] LT: ପ୍ରମୋଦ ସାହୁ  
 442 [Redacted] LT: ବିଜୟ ବେହେରା  
 443 [Redacted] LT: ରାଜିତା ମହାନ୍ତି  
 444 ପ୍ରମୋଦ ମହାନ୍ତି  
 445 [Redacted] LT: ମାଲିକ ସିଂହ  
 446 Meena Pradhan  
 447 ରାଜିତା ମହାନ୍ତି  
 448 ପ୍ରମୋଦ ସାହୁ



451 ସୀମା କାହ୍ନୁ  
 452 ଶିଶିର କାହ୍ନୁ  
 453 [redacted] LT: Sankhi Majhi  
 454 [redacted] LT: Sami Marandi  
 455 [redacted] LT: Samai Hasda  
 456 ଭଜନ ମାହାନ୍ତି  
 457 କର ମାହାନ୍ତି  
 458 [redacted] LT: Diji Soren  
 459 [redacted] LT: Baijoyanti Hesa  
 460 ଚିତ୍ରକାନ୍ତି ମହାନ୍ତି  
 461 ସୁକୁମାର ମହାନ୍ତି  
 462 ଛାୟାଙ୍କନ ସେନ୍ତୁ  
 463 ଦୀନୀକାନ୍ତି ଟୁଡୁ  
 464 [redacted] LT: Budhram Hesa  
 465 Salge Boske  
 466 Ramdas Hembam  
 467 [redacted] LT: Jaba Hasel  
 468 ମାୟାବତୀ ଟୁଡୁ  
 469 [redacted] LT: Malati Hasda  
 470 [redacted] LT: Rabindra Majhi  
 471 [redacted] LT: ଦାନ ମାଝି  
 472 [redacted] LT: ଦାନ ବାଝି  
 473 ଦାନ ହାସି ଦା

474 ପ୍ରତାପ ସାହୁ  
 475 [redacted] LT: Balema munda  
 476 ନନ୍ଦିନୀ ଦେବୀ  
 477 ସୁନିତା ମହାନ୍ତି  
 478 Kanha Dehuri  
 479 କୁନ୍ତଳା ସାହୁ  
 480 Nimai charan sahu  
 481 ସୀତା ସାହୁ  
 482 [redacted] LT: ରାଧା ମାହାନ୍ତି  
 483 [redacted] ଶ୍ରୀମତୀ ଟୁଡୁ  
 484 Karan Marandi  
 485 Duma Marandi  
 486 ମନଜା ମହାନ୍ତି  
 487 ଫକ୍ତ ମହାନ୍ତି  
 488 ଗୋରାମ ମହାନ୍ତି  
 489 Smatila Mahanta  
 490 ଗାଧୁ ଅ  
 491 ସୁନିତା ଦେବୀ  
 492 [redacted] LT: ରାଧା ମାହାନ୍ତି  
 493 ପ୍ରତା ମାହାନ୍ତି  
 494 Raghya Murmu  
 495 [redacted] LT: Chandra Murmu  
 496 ସୁନିତା ଦେବୀ  
 497 ସୀତାବତୀ ଦେବୀ  
 498 Kanhekan Titia

Tinku  
 10/10/2020

489 Monaj Sahoo

500 SORAJ Sahoo

501 Nirupama Sahoo

502 ପାଣି ଚିତ୍ତି

503 LT: କୌଳାସ କାନ୍ତୁଆ

504 LT: ରଜନ ଚିତ୍ତି

505 ସୁନା ଚିତ୍ତି

506 ବିଳାସ ଦେବୁ  
507 ଦୟାଳୁ ମହାନ୍ତି

508 LT: Kuni Purdy

509 ବାବୁରା ପୁରୀ

510 ଶୈଳୁଷ୍ଟି ପୁରୀ

511 କାନ୍ତ ପୁରୀ

512 Balia Hembram

513 DAMBRU BAGE

514 Ravib Karua

515 Kalandri Karua

516 ରାମ ମହାନ୍ତି

517 ମଦନ ମାହାନ୍ତି

518 Gobinda Karua

519 ଶ୍ରୀ ରାମ ମହାନ୍ତି

520 ଶ୍ରୀ ରାମ ମହାନ୍ତି

521 ଶ୍ରୀ ରାମ ମହାନ୍ତି

522 ରାମ ମହାନ୍ତି

523 Nuranam Narana

524 Balendra Narana

525 ରାମ ମହାନ୍ତି

526 ରାମ ମହାନ୍ତି

527 ରାମ ମହାନ୍ତି

528 ରାମ ମହାନ୍ତି

529 Susanta Mohanta.

530 ରାମ ମହାନ୍ତି

531 ରାମ ମହାନ୍ତି

532 ରାମ ମହାନ୍ତି

533 ରାମ ମହାନ୍ତି

534 ରାମ ମହାନ୍ତି

535 ରାମ ମହାନ୍ତି

536 ରାମ ମହାନ୍ତି

537 ରାମ ମହାନ୍ତି

538 ରାମ ମହାନ୍ତି

539 Tulu Mohanta.

540 ରାମ ମହାନ୍ତି

541 ରାମ ମହାନ୍ତି

542 Rama Tulu

543 LT: ରାମ ମହାନ୍ତି

Tinash



543 ପ୍ରଭାତୀ ନାଥ  
544 ପ୍ରଭାତୀ ନାଥ  
545 ନାଥୀ ନାଥୀ  
546 ପ୍ରଭାତୀ ନାଥ

547. ପ୍ରଭାତୀ ନାଥ

548 Laxmi Karua

549 ପ୍ରଭାତୀ ନାଥ

550 ପ୍ରଭାତୀ ନାଥ

551 MARCHAL Jai

552 ଜିଉର ଜିଉ

553 ପ୍ରଭାତୀ ନାଥ

554 ପ୍ରଭାତୀ ନାଥ

555 Purnima Munch

556 Gobinda chandra moharana

557 ପ୍ରଭାତୀ ନାଥ

558 Junika Tadee

559 LT: ପ୍ରଭାତୀ ନାଥ

560 ନାଥୀ ନାଥ

561 . chadha mada

564 ନାଥୀ ନାଥ

565 ନାଥୀ ନାଥ

566 ନାଥୀ ନାଥ

567 ନାଥୀ ନାଥ

568 Sashitekha majhi

569 ନାଥୀ ନାଥ

570 LT: ପ୍ରଭାତୀ ନାଥ

571 ପ୍ରଭାତୀ ନାଥ

572 ପ୍ରଭାତୀ ନାଥ

573 Pochi Nayak

574 LT: ପ୍ରଭାତୀ ନାଥ

575 ପ୍ରଭାତୀ ନାଥ

576 Mina Mphanta

577 ପ୍ରଭାତୀ ନାଥ

578 ପ୍ରଭାତୀ ନାଥ

579 Bhabarati mahanty

580 Narana mra

581 ନାଥୀ ନାଥ

582 LT: ପ୍ରଭାତୀ ନାଥ

583 Ashok Das

584 Biswanath Sahu

585 LT: ପ୍ରଭାତୀ ନାଥ

Tinika  
Saranen  
Joshi

587 A. J. Mohan  
 588 A. J. Mohan  
 589 A. J. Mohan  
 590 R. K. Kanta Sahoo  
 591 K. K. Mohan  
 592 K. K. Mohan  
 593 K. K. Mohan  
 594 K. K. Mohan  
 595 K. K. Mohan  
 596 R. P. Puri  
 597 B. K. S. S. S.  
 598 D. K. S. S. S.  
 599 K. K. Mohan  
 600 S. K. Ram  
 601 M. K. K. K. K.  
 602 K. K. Mohan  
 603 K. K. Mohan  
 604 R. K. Mohan  
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 609 K. K. Mohan

612 K. K. Mohan  
 613 R. K. Mohan  
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 631 K. K. Mohan  
 632 K. K. Mohan

J. K. Mohan  
 K. K. Mohan  
 K. K. Mohan



634 ବଳେସୁ ପ୍ରଭା

635 ଶକ୍ତି ରାଜ୍ୟ

636 ମାୟା ରାଜ୍ୟ

637 କାନ୍ତ ଦେବୀ

638 ସୁକୁ ବାଳୁ

639 ହରିହର ବାଳାହର

640 ନାଗି ଦେବୀ

641 ମାୟା ଦେବୀ

642 ମାୟା ଦେବୀ

643 Lti Sitaran Lohar

644 Lti Jema munda

645 Lti Suru Gajrajai

646 Lti Lili Muni Mundari

647 Lti Raibari charu

648 Lti Buduni Bari

670 Mangul Ram munda

671 Lti Lili Muni

672 Ghura prasad

673 ବିଶାଳ ଦେବୀ

674 ବିଶାଳ ଦେବୀ

675 Rupasingh charu

676 GULSAN LAGURI

677 ବିଶାଳ ଦେବୀ

678 Bida Patra

679 Pabitu meharu

680 Lti Titiba Jamuda

681 Lti Nitras munda

682 Lti Jamuna kala

683 Lti mandei munda

684 Lti Bhagban Tudu

685 Lti Ramchandra Das

686 Lti Singa Dei

687 Lti Putrima moharana

688 Surikher Chatter 700 Rappa Tunda.

689 Shastilata Chatter 710 Rappa Bhabha

690 Ramrai Munda 711 Rappa Rappa

691 Rangit Munda 712 Sora Mahanta

692 Mansing Sunda 713 Sora Mahanta

693 Ramrai

694 Kuna Munda

695 Ramrai

696 Lhakem Munda

697 Mahendra Munda

698 Ramrai

699 Ramrai

700 Ramrai

701 Ramrai

702 Ramrai

703 Ramrai

704 Ramrai

705 Ramrai

706 Ramrai

714 Sora Mahanta

715 Sora Mahanta

716 Sora Mahanta

717 Sora Mahanta

718 Sora Mahanta

719 Sora Mahanta

720 Sora Mahanta

721 Sora Mahanta

722 Sora Mahanta

723 Sora Mahanta

724 Sora Mahanta

725 Sora Mahanta

726 Sora Mahanta

727 Sora Mahanta



729 Sukanya' Mohanta

730 Manas Chatterjee

731 ଶ୍ରୀମତୀ ପ୍ରମିଳା

732 Kaushalya Mahanta

733 ପ୍ରଭାକର ମହାନ୍ତି

734 Himala Teria

735 Susanti' Karava

736 Dasa Hembar

737 ବିନୟ ଚନ୍ଦ୍ର ମହାନ୍ତି

738 Dilip Karava

739 Saraswati Karava

740 ଶ୍ରୀମତୀ ପ୍ରମିଳା

741 ଦୁର୍ଲ୍ଲଭାବତୀ ମହାନ୍ତି

742 Bhima Puri

743 ବିନୟ ଚନ୍ଦ୍ର ମହାନ୍ତି

744 ବିନୟ ଚନ୍ଦ୍ର ମହାନ୍ତି

745 ଅନୁଗ୍ରହ ଚନ୍ଦ୍ର ମହାନ୍ତି

746 ଅନୁଗ୍ରହ ଚନ୍ଦ୍ର ମହାନ୍ତି

747 ଶ୍ରୀମତୀ ପ୍ରମିଳା

748 ଶ୍ରୀମତୀ ପ୍ରମିଳା

749 ଶ୍ରୀମତୀ ପ୍ରମିଳା

750 Shambhu, Kusum Mahanta

751 LT ଶ୍ରୀମତୀ ମାରି

752 ପ୍ରାଚୀନ ସ୍ତମ୍ଭ

753 LT ଶ୍ରୀମତୀ ମାରି

754 ଶ୍ରୀମତୀ ମାରି

755 LT ଶ୍ରୀମତୀ ମାରି

756 Radha Mohanta

757 Laxman Mahanti

758 ବିନୟ ଚନ୍ଦ୍ର ମହାନ୍ତି

759 ବିନୟ ଚନ୍ଦ୍ର ମହାନ୍ତି

760 LT ଶ୍ରୀମତୀ ମାରି

761 Jitendra Mohanta

762 Radha Mohanta

763 ଅନୁଗ୍ରହ ଚନ୍ଦ୍ର ମହାନ୍ତି

764 ଶ୍ରୀମତୀ ପ୍ରମିଳା

765

766

750

767 Amir Khan

768 ଜାକିର ସାନ

769 Pragnya Paramita Mohanty

770 ବାସନ୍ତି ଦାସ

771 Raj Laxmi Parik

772 ପ୍ରାୟା କାରିକ

773 କିରିକିରୀ କାରିକା ୨ ଭାଗ

774 ପ୍ରୀତି ମଲିକ

775 Houshikesh Das

776 ସଂସ୍କୃତା ସାହୁ

777 ବାସନ୍ତି ଲତା ଦାସ

778 ସୁନୀଲ କୁମାର ଦାସ

779 Priyanshu Sahoo

780 Prabhati Sahoo

781 Praveesh Samal

782 ସୁଜାତା ସାହୁ

783 ପ୍ରଦୀପ ସାହୁ

784 ଅନୁଗ ନନ୍ଦନା

785 ପ୍ରୀତି ମା ୧ ଭାଗ

786 ପ୍ରୀତି ସାହୁ

787 Hruday Samal

788 Hemanta Sekhi

789 ପ୍ରୀତି ସାହୁ ୨ ଭାଗ

790 ପ୍ରୀତି ନନ୍ଦନା

791 ସଂସ୍କୃତା ସାହୁ ୨

792 Tami Sahoo

Tami Sahoo  
Sarpanch  
KULIAPANI G.P.



- 793 ବିବି ବାହାଦୁରୀ  
794 Ram Bahadur.  
795 ମିନ ବାହାଦୁରୀ  
796 Sita Bahadur.  
797 ଫୁଲବାସୀ ବାହାଦୁରୀ  
798 Hita Kumar Mahanty  
799 Brijay Lalani Mahanty  
800 Parvokhita Saha  
801 Amartyakshi Mohapatra  
802 କାଞ୍ଚିବାଳା ହାତୀ  
803 ଚିନ୍ତାକାମୀ ପାତ୍ର  
804 Rashmita Patra  
805 Rishi Rekha Patra  
806 ଚନ୍ଦ୍ରଶେଖର ପାତ୍ର  
807 ଜାୟସିନୀ ମହାପାତ୍ର  
808 Manas Kumar Mallik  
809 ସୁମିତ୍ରା ମହାପାତ୍ର  
810 Ashok Kumar Mahanty  
811 Rakesh K. Jena.  
812 ଚମିତାକା ଚିନ୍ତା  
813 ଫୁଲୁ ପାତ୍ର  
814 ଶ୍ରୀକାନ୍ତ ପ୍ରଧାନ,  
815 Nareela Das  
816 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ  
817 ମହାଶ୍ୱେତା ସାହୁ.  
818 Varadh Kumar Jena.

- 819 Santosh Kumar Bantik  
 820 ଜିଗ୍ମି କାରିକ  
 821 ମୁକ୍ତେଶ୍ୱରୀ କାରିକ  
 822 Muddhusum Baskari  
 823 ମୁକ୍ତେଶ୍ୱରୀ ମହା  
 824 Dhaneeswar Sahoo  
 825 ମୁକ୍ତେଶ୍ୱରୀ ମହା  
 826 ଜଗନ୍ନାଥ ପ୍ରଧାନ  
 827 Jagannath Pradhan  
 828 ଜଗନ୍ନାଥ ପ୍ରଧାନ  
 829 ଜଗନ୍ନାଥ ପ୍ରଧାନ  
 830 ଜଗନ୍ନାଥ ମହା  
 831 Ranjan Bantik  
 832 ଜଗନ୍ନାଥ ମହା  
 833 Babuli Kumar Saha  
 834 Bi Chitra nanda Das  
 835 ସଚ୍ଚିତ୍ର ଦାସ  
 836 Subha Kanta Jana  
 837 Bhagirathi Sen  
 838 Minakanta Bantik  
 839 Chaitanya Ch. Chaitanya  
 840 Ashok Sen  
 841 ସଚ୍ଚିତ୍ର ପ୍ରଧାନ  
 842 Sammita Bantik  
 843 ଜଗନ୍ନାଥ ମହା  
 844 Bharati Mahanta  
 845 Anandhusmita Bantik



846 Parbati Munda

847 ପ୍ରବଳା ମହା

848 Mangra Munda

849 ରାଜକା ମହା

850 Himadri Dhir

851 Ipsita Dhir

852 Priyanka Priyadarshini Dhir

853 Pratap Kumar Pattan.

854 Manas Pattan.

855 Pranati Nanneni Pattan.

856 Prabodha Kumar Dhir

857 Manorama Dhire.

858 Kasi Nath Parnal

859 ମାଗୁ ପା

860 Manjulata Rout

861 ସୁଶ୍ରୀ ବିଲ୍ଲୀ

862 सुनिल कुमार पाण्डे

863 Abhinav Singh

864 ରବିନୀ ମହା

865 Ranita Mohanta.

866 Mukund Ch. Barik

867 M. D. Gajamukhin

868 Sujata Biswal

869 ନିପତ କୁମାର ମା

870 Chhabirani Nayak

871 ହରିରାମ ମିଶ୍ର

872 Sanita Saini

873 Bijayalaxmi Mohanty.

874 ମୁକ୍ତି ମିଶ୍ର

Sanjiv Kumar

Sarapani

SAIPAN

875 ରବିନ୍ଦ୍ର ମା||ମା||

876 ଦା||ନିଧି ଦ୍ରା||ମା||

877 Biswasjit Niyam

878 Bahin Sena

879 ଦୁଇ ମା||

880 ରବିନ୍ଦ୍ର ମା||

881 Bikram Mahanta

882 Sushanta Kumar Jena

883 ଜିନନ୍ଦ ମା||

884 Madhu Smita Mahanta

885 ଦା||ନିଧି ମା||

886 Shashadevi Mahanta

887 ମା||ନିଧି ମା||

888 ରବିନ୍ଦ୍ର ମା||

889 Kusuma Chandra Mahanta

890 Jagan Sagar Mahanta

891 ଦୁଇ ମା||

892 ରବିନ୍ଦ୍ର ମା||

893 ରବିନ୍ଦ୍ର ମା||



- 894 Laxminarayan Das  
 895 ବିନୟ ପ୍ରଧାନ  
 896 Anish Kumar Das  
 897 Suresh Ch Sahoo  
 898 राजेन्द्र सिंह  
 899 ବିନୟ ପ୍ରଧାନ  
 900 यमनाथ चौधरी  
 901 Rajesh K. Singh  
 102 Abhash Kumar Rout  
 903 Anantarambha Mishra  
 904 प्रदीप प्रजापति  
 905 Kirekela Mishra  
 906 राजा राजा  
 907 Harvikesh Das  
 908 ललितानाथ ठाकुर  
 909 Nakula Nayak  
 910 ललित प्रजापति  
 911 राजेश कुमार सो.  
 912 Brajendra K. Rath  
 913 Somyanjan Jena  
 914 Subhash Kumar  
 915 Debajish Anand  
 916 यमनाथ चौधरी  
 917 विनय प्रजापति  
 918 राम मोहन राय  
 919 Anand Das  
 920 विनय प्रजापति  
 921 Gobind Pradhan  
 922 यमनाथ चौधरी  
 923 विनय प्रजापति  
 924 Rupma Pradhan

925 Niranjan Das.

926 ଶ୍ରୀହରିଦିନ ବିନା

927 John Tékha

928 ସଞ୍ଜିତା ବିନା

929 ନରସିଂହ ମହାନ୍ତି

930 Rajalini Jana

931 ବିକାଶ ମହାନ୍ତି

932 ସୁକୁମାର ମହାନ୍ତି

933 ସୁକୁମାର ମହାନ୍ତି

934 Samir Ch. Sena.

935 ଚକ୍ରପାଣି ମହାନ୍ତି

936 Prasanta Panda

937 ସୁକୁମାର ମହାନ୍ତି

938 Manu Sanjay Sena.

939 Santosh K. Mallik

940 Laxmidhar Das.

941 ସୁକୁମାର ମହାନ୍ତି

942 ସୁକୁମାର ମହାନ୍ତି

943 ସୁକୁମାର ମହାନ୍ତି

944 Aman Ku Samal

945 Nivakar Mohanta.

946 ସୁକୁମାର ମହାନ୍ତି

947 Sanku Raut

948 ସୁକୁମାର ମହାନ୍ତି

949 Samu Kuru Balik

950 ବିନା ମହାନ୍ତି

Sirajamunda  
Sarepenta  
KALIAPAM G.P.



952 ଲକ୍ଷ୍ମିପ୍ରସାଦ ପ୍ରଧାନ

953 ଲକ୍ଷ୍ମିପ୍ରସାଦ ଶାହୁ

954 ଲକ୍ଷ୍ମିପ୍ରସାଦ ପଣ୍ଡା

955 ଲକ୍ଷ୍ମିପ୍ରସାଦ ଶାହୁ

956 ଲକ୍ଷ୍ମିପ୍ରସାଦ ଶାହୁ

957 Sureswar Sahu

958 Manini Barua

959 Rameswar Sahu

960 Sachitra Kumar Lenka

961 Pitanbar Pradhan

962 Kailash Mohanta

963 Linga Raja Pradhan

964 ନିମିତ୍ତା ପାଣି

965 Nanda Pradhan

966 ନିରଞ୍ଜନ ପାଣି

967 Narayan Mohanta

968 Kailash Rout

969 Nimati Mohanta

970 ନିରଞ୍ଜନ ପାଣି

971 ପ୍ରମିଳା ପାଣି

972 ପ୍ରମିଳା ପାଣି

973 Sasmita Patra

974 ପ୍ରମିଳା ପାଣି

975 Deepanjali Mohanta

976 କାମିନୀ ପାଣି

977 Alekh Ch Mohanta

978 ଜିତେନ୍ଦ୍ର ପାଣି

979 Titendra Mohanta

980 Amangajit Nayak.

981 ରାମକୃଷ୍ଣ ୯/୨/୨୧

982 Ajay skain

983 ବିନୟ ୨୧/୨/୨୧

984 Binod Biswal

985 ପ୍ରମୋଦ ଚନ୍ଦ୍ର

986 Upendra sethu

987 Gitanjali Barick.

988 ଶ୍ରୀମତୀ ଶର୍ମିଷ୍ଠା

989 ଶ୍ରୀମତୀ ଶର୍ମିଷ୍ଠା

990 ଶ୍ରୀମତୀ ଶର୍ମିଷ୍ଠା

991 ଶ୍ରୀମତୀ ଶର୍ମିଷ୍ଠା

992 Narine Haque.

993 ଆମିତାଭ ଶର୍ମା

994 ଆମିତାଭ ଶର୍ମା

995 Truptirekha mahapatra

996 ଶ୍ରୀମତୀ ଶର୍ମିଷ୍ଠା

997 ଶ୍ରୀମତୀ ଶର୍ମିଷ୍ଠା

998 Parana Ch. Jadau

999 Kuntalsharapona

1000 ଶ୍ରୀମତୀ ଶର୍ମିଷ୍ଠା

1001 Debika Mahapatra

1002 ଜାମିନୀ ମହାପାତ୍ର

1003 Binamchand Mahapatra.

1004 Abhinav Das

1005 ଆମିତାଭ ଶର୍ମା

1006 ଶ୍ରୀମତୀ ଶର୍ମିଷ୍ଠା

1007 ଶ୍ରୀମତୀ ଶର୍ମିଷ୍ଠା

1008 Debendra Das

1009 Nirupama Biswal

1010 ଶ୍ରୀମତୀ ଶର୍ମିଷ୍ଠା

1011 ଶ୍ରୀମତୀ ଶର୍ମିଷ୍ଠା

Jinilamunda

Sarpanch



- 1012 Jayanti Khatua.
- 1013 Jasmin Khatua.
- 1014 Roshni rekha Khatua.
- 1015 Santukta Nath
- 1016 Kshitish Khatua
- 1017 Manjuni Banik
- 1018 Sheetal Banik
- 1019 Angushree Banik.
- 1020 Puspajali Singh
- 1021 Karan Kaur Singh
- 1022 Jyotsna Singh
- 1023 S. Ram Murthy
- 1024 S. Madhavi
- 1025 S. Kailaspati Venkata Prasad Rao
- 1026 S. Rajendra Prasad
- 1027 Samanath Nanda.
- 1028 ମନୋଜ କୁମାର ନାଥ
- 1029 କମଳାକାନ୍ତ ଦେବଦାସ
- 1030 Walpatanu Paul.
- 1031 ସୁଶାନ୍ତ ନାଥ
- 1032 Braadeep Ku. Singh
- 1033 ମନୋଜ କୁମାର ନାଥ
- 1034 Balaram Nayak
- 1035 Rama Chandra Sahu.
- 1036 Sargu. Ku. Prady
- 1037 Raj Vishore Singh

- 1038 Debasrata Karmya  
 1039 Bishnupriya Das.  
 1040 ଜୀର୍ଣ୍ଣକାଳୀ ପରିଚିତ.  
 1041 ମନୋଜୟ ୨୪/୧୨  
 1042 Bhakti Prasad Singh  
 1043 ଶିଳାବତୀ ଲକ୍ଷ୍ମୀର ଚନ୍ଦ୍ରକାନ୍ତ  
 1044 Arun Ku. Behera.  
 1045 Anurag Kumar Pratik.  
 1046 ମନୋଜୟ ୨୪/୧୨  
 1047 Anindita Das.  
 1048 Ajay Mohanty  
 1049 ଶ୍ରୀକାନ୍ତ କିଶୋରୀ  
 1050 Prabat Ku. Nayak  
 1051 ଚନ୍ଦ୍ରକାନ୍ତ ନାୟକ  
 1052 Manasi Duan  
 1053 Subash ch. Behera  
 1054 ଗୋପାଳ  
 1055 Gitanjali Das.  
 1056 Abhismit Das  
 1057 ସୁଧାକର ୨୧/୧୨  
 1058 Sudeshan Patra  
 1059 ଶ୍ରୀକାନ୍ତ ୦୨/୧୨  
 1060 Tapati Mohanty  
 1061 ବିନୟାମିତା ଚନ୍ଦ୍ରକାନ୍ତ.  
 1062 Narendra Ku. Dhir  
 1063 ଶିଳାବତୀ/୧୨/୧୨  
 1064 Sakti swarup Singh  
 1065 Manisha Priyadarshini Dhir  
 1066 ଶ୍ରୀକାନ୍ତ ୨୪/୧୨

*Tirumala*  
 Sarapanthi  
 KALIAPANI G.P.



1067 Sajatarani Poudel.

1068 ବିଜୟାବତୀ ମହାନ୍ତି.

1069 Tapas Kumar Dhir

1070 ଶ୍ରୀମତୀ ରୁଚା ପ୍ରଧାନ

1071 Tanuzaara Jena

1072 Anita Behera

1073 Beena Bhuyan.

1074 Manjushree Patra.

1075 Pradip K. Paul

1076 ଅନନ୍ତଲକ୍ଷ୍ମୀ ସେନାପତି

1077 ଶ୍ରୀମତୀ ରୁଚା ମହାକୁଡ଼ି.

1078 ଭୁବନା ବେହେରା

1079 Usha Das

1080 ଶ୍ରୀମତୀ ଦୀପ.

1081 Sudersan Dhir

1082 ପ୍ରମିଳା ବେନା

1083 ଡା. ଜି. ନା. ମହାନ୍ତି

1084 ଅନାମିକା

1085 Hemita Pradhar.

1086 ମିତ୍ରାମା ଦାସ.

1087 ଅନୁଭବ ମହାନ୍ତି ପାଣି

1088 Sushree Sangeeta Nayak

1089 ମନୋଜ୍ୟୋତୀ ପ୍ରଧାନ

1090 ରଞ୍ଜିତା ମହାକୁଡ଼ି.

1091 ରଞ୍ଜିତା ବେହେରା.

1092 Lipsamayee Nayak

1093 Banita Penigrahi.

Jini Jini

Sarapanch

1000000000

1094 ଲକ୍ଷ୍ମୀ ପାତ୍ର

1095 Pushpanjali Patra

1096 Sagarika Mishra

1097 ଲକ୍ଷ୍ମୀ ପାତ୍ର

1098 Tyotirmayee Mohanty

1099 Medhumahe Prusty

1100 Bulu Behera

1101 ଲକ୍ଷ୍ମୀ ପାତ୍ର

1102 Sundar Kumar Pradhan

1103 Anil Kumar Barik

1104 Pooja Ranjan Behera

1105 Kanchancharan Kandi

1106 HOK Kumar Debata

1107 KAMAL LOCHAN NAIK

1108 Akhandaleswar Kanungo

1109 Sandhyarani Kanungo

1110 Pratima Nayak

1111 Mehendra Kandi

1112 Prabhakar Nishan

1113 Akhaya Shor

1114 Santosh Barik

1115 Dr. Umakant Mallick

1116 ଲକ୍ଷ୍ମୀ ପାତ୍ର

1117 Swander Prasad Singh

1118 Sindhu Kumar Pattnaik

1119 राजेश पाशनाब

1120 Anjula Behera

1121 ସୁମାତ୍ରି ନନ୍ଦା

1122 Sailesh Singh

1123 दिनीप सो



1124 ଉତ୍କଳ ଶାସନ ଉପା

11<sup>25</sup> Lawrence M. Mahan

1126 ५/१२/१९ १२।२५।

1127 ଦେବୁ ଶୁକ୍ଳ ପୃ ୨

1128 Santosh ke Nayak

1129 ୨୫୫୫୫୫୫୫ ୨୫୫୫୫୫୫୫୫

137.  $\frac{1}{x^2} = x^{-2}$   $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$

1137  
Dipak ku Pradhan.

11316 ਬਾਨਾਰੀ ਸਮੁੱਚੇ

1133 ୧୫/୦୧/୨୦୧୮

1134 Umashankar Sethy

1135-ନାଶିକା ମହାଶୟ

1134 Rama Moharana

1137 ଭୁବନେଶ୍ୱର ବିଦ୍ୟାଳୟ

1137 G. L. 17/5, 1138 Sukanta Kumare Nayak.

1139 Pravakar Nayak.

1140 Debasis Das

1141 516/5) 5/12/80

1142 Hruschesh Das

1143 ਅੰਮ੍ਰਿਤ ਪੰਨਾ,

1143 ~~Pradham~~ Pradham  
1144 Sucharita Pradham

1145- ସିଦ୍ଧିଚରଣ 6/11/62

1146 Sumantra ku ~~14th~~ Nagpur

1142 ମନ୍ତ୍ରୀ ଟା ଚାମ୍ପି

1147 प्रविशति वापि  
1148 अन्तर्गतं न। ६४।६२

1149 ମୃତ୍ୟୁ ୧ ପୃଷ୍ଠା

1150



L. T. G. of Bengani party

1151 Samanath Munda

1152 Santay party

1153

ଦଶରଥ ସିଂହ

1154



L. T. G. of Bidari Samara

1155

ଶ୍ରୀମତୀ ସୁମିତ୍ରା

1156



L. T. G. of Saraswati Hanbys

1157



L. T. G. of Budhan Singh Hanbys

58 Manju Tojo

1159 Madhan Motan Gagarai

Tina Janda



- 1160 सुखमति पूरणी  
 1161 Laksh Hansdah  
 1162 छवि सिंह वि  
 1163 सुवनेश्वरी देवी  
 1164 Reena Munda  
 1165 दीना प्रसाद

1166 Gilash parsi mohant,

1167 विष्णु च. न. प्र. १७

1168 [redacted] of Gurubani Mohant.

1169 [redacted] of Phul Mathi

1170 हिनक वरद्वारा

1171 व्यास वरद्वारा

[redacted] of Nirala Mohant.

1173 Sanatan Paradhar

1174 Seemati agra

1175 Mina kashi Maharara

1176 Aramgama Mohant.

1177 Badeshahab Kira

1178 ବିପ୍ଳବୀ ବ୍ରହ୍ମାଣୀ.

1179 Laxmi Priya Behera.

1180 Anurupa Kanungo.

1181 ବିଜିକା ମାମୁ

1182 Prishnu Prasad Parida

1183 ଶ୍ରୀମତୀ ଚିତ୍ରାବତୀ

1184 ଜ୍ଞାନାମାଳା ଚକ୍ରବର୍ତ୍ତୀ

1185 Janaki Behera

1186 ଶ୍ରୀକାଳୀ ମାମୁ

1187 ବିପ୍ଳବୀ ବ୍ରହ୍ମାଣୀ

1188 ଜାଗନ୍ନାଥ ମହାନ୍ତି

1189 ଭାବନା ମାମୁ

1190 Tapaswani Dhir.

1191 ଶ୍ରୀମତୀ ମାମୁ

1192 Shama Moharana

1193 Srimati Moharana

1194 ସୁକୁମାରୀ ମାମୁ

1195 ଶ୍ରୀମତୀ ଚିତ୍ରାବତୀ

1196 ବିପ୍ଳବୀ ବ୍ରହ୍ମାଣୀ

1197 Umakanta Mohanta

1198 ଶ୍ରୀମତୀ ଚିତ୍ରାବତୀ

1199 Lipi Lekha Mohanty

1200 ଶ୍ରୀମତୀ ଚିତ୍ରାବତୀ

1201 Kabila Jena

1202 Dhurba Ch. Nihon

1203 ବିପ୍ଳବୀ ବ୍ରହ୍ମାଣୀ

1204 ଶ୍ରୀମତୀ ଚିତ୍ରାବତୀ

1205 Bibhuti Bhuyan Mohanta

Jinajamunda

Saragroh

11/11/2020



1207 ଶ୍ରୀମାତ୍ର ପାତ୍ର  
ବାହୁଲ୍ୟବହୁଳ  
1208 ଜଗନ୍ନାଥପାତ୍ର

1209 Lti ରାଗ ସୁକୁର

1210 Lti ଶେଷ ବାକିଆ

1211 Lti ବେଶ ମହାତ୍ମା

1212 ~~Lti ସୁକୁର~~ ବା

1213 Lti Dur Patra

1214 Lti Kuni munda

1215

ଫୁଲିନା-ବେଶପତ୍ର

1216

Debaki patra

1217 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1218 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1219 Lti chanda Nayak

1220 Meena Mahakal

1221 ରାମାକାନ୍ତବେଶପତ୍ର

1222 Lti Pakili Dehuri

1223 Lti Boisakhi Dehuri

1224 Lti Anni Dehuri

1225- କାମଳି ଦେବୀପାତ୍ର

1226 ...

1229 Rabindramohanta

1230 ରବି ନିଧିର

1231 ବାଳି ପାତ୍ର

1232 ରବିବାହୁ ପାତ୍ର

1233 Keshab Patra

1234 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1235 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1236 ~~...~~ Lti Khulona patra

1237 ସୁଷମା ପାତ୍ର

1238 ଶୋଭାସୁ ପାତ୍ର

1239 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1240 ~~...~~ Lti Bakati patra

1241 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1242 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1243 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1244 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1245 ~~...~~ Lti Golap mohanta

1246 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1247 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1248 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1249 ଶ୍ରୀ ଶ୍ରୀ ପାତ୍ର

1250 ~~...~~ Lti Pulangi Sardan

1251 ~~...~~ Lti chepi mohanta

Tinamuck

1253 chhish mahantra  
1254 Rakshita Mahanta.

1255 Sauri Mahanta  
1256 Parshuram Mahanta.

1257 Lal Mohant Mahanta

1258 Hrishikesh Mahanta

1259 Padmanava Mahanta

1260 Ganesha Mahanta

1261 Chaitanya Mahanta

1262 Ramesh Mahanta

1263 Prabhat Mahanta.

1264 Santosh Mahanta

1265 Dhanu Mahanta

1266 Masha Mahanta

1267 Rabindra Mahanta

1268 Hrishikesh Mahanta

1269 Puspata Mahanta

1270 Nirmala Mahanta

1271 Nirmala Mahanta

1272 Nityananda Mahanta

1273 Sudhansu Mahanta

1274 Smash ch. Mahanta.

1275 Bonati Mahanta

1276 Chaitanya

1277 Karakoram Mahanta

1280 Purnima Mahanta.

1281 Suresh Mahanta

1282 Chaitanya

1283 Chaitanya

1284 Chaitanya

1285 Chaitanya Mahanta

1286 Chaitanya Mahanta

1287 Chaitanya Mahanta

1288 Chaitanya Mahanta

1289 Chaitanya Mahanta

1290 Chaitanya Mahanta

1291 Chaitanya Mahanta

1292 Chaitanya Mahanta

1293 Chaitanya Mahanta

1294 Chaitanya Mahanta

1295 Chaitanya Mahanta

1296 Chaitanya Mahanta

1297 Chaitanya Mahanta

1298 Chaitanya Mahanta

1299 Chaitanya Mahanta

1300 Chaitanya Mahanta

1301 Chaitanya Mahanta

Tingling  
Sarapan  
KALJAPANT G.P.



1304 Manas Tāra

1305 ବାବୁର ଚିତ୍ର

1306 ଆକାଶ ଚିତ୍ର

1307 ଗୁଣାଚିତ୍ର ଚିତ୍ର

1308 ଜନାକାଶ ଚିତ୍ର

1309 ମାଗାକାଶ ଚିତ୍ର

1310 ଜନାକା ଗୁଣା

1311 Bhisen Tāra

1312 ସୁମତି ଚିତ୍ର

1313 ବାସନ୍ତି ନାୟକ

1314 Lr ମାତ୍ର ଶିଳା

1315 chinda Behera

1316 ଗୁଣା ଗୁଣା ବାସନ୍ତି

1317 ବିଶା ବାସନ୍ତି

1318 ଗୁଣାକାଶ ଚିତ୍ର

1319 Gayendra Beste

1320 Romant Mohan

1321 Lr ବାସନ୍ତି ଚିତ୍ର

1322 ଗୁଣାକାଶ ବାସନ୍ତି

1323 ଗୁଣାକାଶ ବାସନ୍ତି

1324 ଗୁଣାକାଶ ବାସନ୍ତି

1325 ଗୁଣାକାଶ ବାସନ୍ତି

1326 ଆକାଶ ଚିତ୍ର

1329 Babu's Barak

1330 Barak

1331 ଗୁଣାକାଶ ବାସନ୍ତି

1332 ବିଶା ବାସନ୍ତି

1333 ଗୁଣାକାଶ ବାସନ୍ତି

1334 ଗୁଣାକାଶ ବାସନ୍ତି

1335 ବିଶା ବାସନ୍ତି

1336 ଗୁଣାକାଶ ବାସନ୍ତି

1337 ଗୁଣାକାଶ ବାସନ୍ତି

1338 Lr Tare's Oram

1339 କାଶିକା ନାୟକ

1340 ବାସନ୍ତି ବାସନ୍ତି

1341 Banaji pari

1342 ବାସନ୍ତି କାଶିକା

1344 ବାସନ୍ତି ଶିଳା

1345 ବାସନ୍ତି ବାସନ୍ତି

1346 ଗୁଣାକାଶ ବାସନ୍ତି

1347 ବିଶା ବାସନ୍ତି

1348 ବିଶାକାଶ ବାସନ୍ତି

1349 Umakanta Sabar

1350 କାଶିକାକାଶ ବାସନ୍ତି


Lr



1351 ଗୁଣାକାଶ ବାସନ୍ତି

1352 ଗୁଣାକାଶ ବାସନ୍ତି


1353 ବାସନ୍ତି ବାସନ୍ତି

Tinamoh  
ଗୁଣାକାଶ ବାସନ୍ତି  
ଗୁଣାକାଶ ବାସନ୍ତି

- 1354 ବିଜୟା ବେହେରା  
 1355 ଚମାଟନ ବେହେରା  
 1356 Raju maharana  
 1357 Basanta. Dehury  
 1358 ଭାବୁ ବେହେରା  
 1359 Duxhia Patra  
 1360 Danyip mahanta  
 1361 ପାଟ ପୁରୀ  
 1362 ପାଟ ପ୍ରଧାନ  
 1363 ସୁକୁମାର ବେହେରା  
 1364  LTi Basanti Dehury

- 1365 ପ୍ରତ୍ନା ପ୍ରଧାନ  
 1366 ନନ୍ଦିନୀ ପ୍ରଧାନ  
 1367 ଶ୍ରୀମତୀ ବେହେରା  
 1368 ଲକ୍ଷ୍ମୀ ପ୍ରଧାନ  
 1369 ଲକ୍ଷ୍ମୀ ପ୍ରଧାନ  
 1370 ପ୍ରତ୍ନା ପ୍ରଧାନ  
 1371 Sanatan munda  
 1372 Koha maharana  
 1373  LTi Babula Behara  
 1374 ଗୁଣେ ନାୟକ  
 1375 Sukhadev Dehury  
 1376  LTi Nataraj Dehury  
 1377 ଶ୍ରୀମତୀ ବେହେରା

- 1379 ରାଜକିଶୋର ପ୍ରଧାନ  
 1380 ଲକ୍ଷ୍ମୀ ପ୍ରଧାନ  
 1381 Prasanta pradhan  
 1382 ରାଜ୍ୟା ଦେବଦାସ  
 1383 ରାଧାରାଣୀ ଦାଶ  
 1384 ପ୍ରତ୍ନା ପ୍ରଧାନ

- 1385 ପ୍ରତ୍ନା ପ୍ରଧାନ  
 1386 ଲକ୍ଷ୍ମୀ ପ୍ରଧାନ  
 1387  LTi Suta Dehury  
 1388 ଲକ୍ଷ୍ମୀ ବେହେରା  
 1389 ଦିଲ୍ଲୀ ପ୍ରଧାନ  
 1390 Mukha Dehury  
 1391 ପ୍ରତ୍ନା ବେହେରା  
 1392 ପ୍ରତ୍ନା ବେହେରା  
 1393 ଶ୍ରୀମତୀ ବେହେରା

- 1394 ପ୍ରତ୍ନା ପ୍ରଧାନ  
 1395 ପ୍ରତ୍ନା ପ୍ରଧାନ  
 1396 ପ୍ରତ୍ନା ପ୍ରଧାନ  
 1397 ମାନ୍ୟ ବିଜୟା  
 1398 ବିଜୟା ପ୍ରଧାନ  
 1399 ପ୍ରତ୍ନା ପ୍ରଧାନ  
 1400 ପ୍ରତ୍ନା ପ୍ରଧାନ  
 1401 ପ୍ରତ୍ନା ପ୍ରଧାନ  
 1402 ପ୍ରତ୍ନା ପ୍ରଧାନ



1403 ଭୁବନେଶ୍ୱରୀ କାହାଣୀ

1404 ଶାନ୍ତିଲୀଳା ସ୍ତୁତି

1405 Nityal ନିତ୍ୟ

1406 ଭୋଗବିହାରୀ ମାହି

1407 Ram Kumar

1408 ବିନୟ ଚଉତି

1409 ଅନୁପମ ସହାୟତା

1410 Khomayabati mohanti

1411 ଦେବୀ ମହାନ୍ତି

1412 ଭାସ୍କର ମହାନ୍ତି

1413 ବିଳାସିନୀ ମହାନ୍ତି

1414 ଅନୁଭବପତି ମହାନ୍ତି

1415 ଦେବୀ ସୁରୀ

1416 ପାଗଳୀ ମହାନ୍ତି

1417 କୁମାରୀ କାହାଣୀ

1418 ଭୁବନ ମହାନ୍ତି

1419 ମାନ ସୁରୀ

1420 କୁମାର ପ୍ରଧାନ

1421 ସଜ୍ଜା ପ୍ରଧାନ

1422 Karabharumar mohanty

1425 ଭାନୁ ମହାନ୍ତି


1426 ମାହାତ୍ମା ସୁରୀ

1427 ଦୋଳାଳୀ ନାୟକ

1428 କାହିଁ ମହାନ୍ତି

1429 ଭୁବନ ମହାନ୍ତି

1430 କୁମାରୀ ଆ ମହାନ୍ତି

1431  Karabharumar Mohanty

1432 କାହିଁ ମହାନ୍ତି

1433 ସୁମିତ୍ରା ସୁରୀ

1434 ସୁମିତ୍ରା ଦାଶ

1435 କାହିଁ ଦାଶ

1436 Minakanti Ho

1437 କୁମାରୀ ଦେବୀ ସୁରୀ

1438 Basumati Mohanty

1439 କାହିଁ ମହାନ୍ତି

1440 Dash Hemant

1441 ବିଶ୍ୱାସୀ ମହାନ୍ତି

1442 ମାହାତ୍ମା ମହାନ୍ତି

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1444 ବ୍ରହ୍ମା ପୁରୁଷା

1445 ବ୍ରହ୍ମା ବିକା ପୁରୁଷ

1446



2. 7. 7 of Ganesha Pingu

1447



2. 1. 9 of Manashu Pingu

1448

UMAKANT Sabat

1449

ବ୍ରହ୍ମା ପୁରୁଷା ପ୍ରାବ

1450

ବ୍ରହ୍ମା ପୁରୁଷା ପ୍ରାବ

1451

ବ୍ରହ୍ମା ପୁରୁଷା ପ୍ରାବ

1452

Gahunda Mazhi

1453

ପ୍ରାବ/ପ୍ରାବ/ପ୍ରାବ



1454

ବିପ୍ଳବୀ ପ୍ରଦୀପ

1455

Alok Maharana

1456

Hemanta Behera

1457

[Redacted]

1458 L T 9 of pinto yanda

[Redacted]

L T 9 of parabati yanda

1459

ବିପ୍ଳବୀ ପ୍ରଦୀପ

1460

ବିପ୍ଳବୀ ପ୍ରଦୀପ

1461

Sidio party

1462

ବିପ୍ଳବୀ ପ୍ରଦୀପ

1463

mahan party

1464

ବିପ୍ଳବୀ ପ୍ରଦୀପ

1465

ବିପ୍ଳବୀ ପ୍ରଦୀପ

1466

[Redacted]

1467 L T 9 of kahinabati Sardar

1468

[Redacted]

L T 9 of Taramani Raja

1469

file party

1470

ବିପ୍ଳବୀ ପ୍ରଦୀପ

1471

[Redacted]

Tinamunda

1472  
ପାରାବତୀ ମହାନ୍ତ  
1473  
Paravati Mohanta

1474



K T 9 of Kanaka Dai

1475

Dasta MmMu.

1476 ସମ୍ବେଦ

1477 ଧ

କମ୍ପି ନବ୍ୟ ପୁରୀ

1478



K T 9 of Susala Karkafa

1479



K T 9 of Duli Tadeu

1480



K T 9 of Nemanti Samuda

Tiniamundi  
Sarapench  
KALIAPEM A.P.



1481



273 of Raimuni panti

1482 ਰਿਫ਼ੀ ਸ਼ਾਮਲ

1483

ਰਮਨ ਰਮੁ ਸ਼ਾਮਲ

1484

ਸ਼ਾਮਲ ਗਾਗਾਗਾਗਾ  
1485 ਸ਼ਾਮਲ ਗਾਗਾਗਾਗਾ

1486



273 of Gati Gagan

1487

Sahab panti

1488

ਸ਼ਾਮਲ  
1489 ਸ਼ਾਮਲ

1490

Karma Hentram

1491

ਸ਼ਾਮਲ ਸ਼ਾਮਲ

1492

ਕੁਸੁਮਾ ਸ਼ਾਮਲ

1493



273 of Rasta Sahab

1494

ਕੁਸੁਮਾ ਸ਼ਾਮਲ

1495 d'Antonia's Samad

1496



K 19 of Jureka Samada

1497



K 19 of Saccanti Samada

1498



K 19 of Adhion Jaja

1499



K 19 of Dapanti Jaja

1500



K 19 of Nagari Dal muchu

1501

जिहवा किल्लुमुकु

1502

जिहवा किल्लुमुकु

1503

जिहवा किल्लुमुकु

1504

जिहवा किल्लुमुकु

1505

जिहवा किल्लुमुकु

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जिहवा किल्लुमुकु

1507

जिहवा किल्लुमुकु

1508

जिहवा किल्लुमुकु

1509

जिहवा किल्लुमुकु

1510

जिहवा किल्लुमुकु

1511

जिहवा किल्लुमुकु

1512

जिहवा किल्लुमुकु

Jinamunda



1509 [redacted] of piharilal Munda

1510 [redacted] 1/1/68

1511



of Rama Parshy

1512

1/1/68

1513

Ramesha Nalla

1514

1/1/68

1515

[redacted] 1/1/68

1516



of Karunakar Moharana

1517



of Adhikari Mohanta

1518

Laxman Munda

1519 1/1/68

1520 Anil Kumar Maharana

1521 Rama Ch Maharana

1522 ଅହସ୍ତୀ ଅହରା

1523 ଚନ୍ଦ୍ରବିହାର ଚନ୍ଦ୍ର

1524 ଶିବ ଶାସ୍ତ୍ରୀ

1525 ସୁକୁମାର ସୁକୁମାର

1526 ଗୋବିନ୍ଦ ଗୁପ୍ତ

1527 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1528 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1529 Ajoy K. Mohanta

1530 ମିନା ମହାନ୍ତି

1531 ମିନା ମହାନ୍ତି

1532 ମିନା ମହାନ୍ତି

1533 ମିନା ମହାନ୍ତି

1534 ମିନା ମହାନ୍ତି

1535 Ranjan Barik

1536 ମିନା ମହାନ୍ତି

1537 ମିନା ମହାନ୍ତି

1538 ମିନା ମହାନ୍ତି

1539 ମିନା ମହାନ୍ତି

1540 Raju Hembram

...

1541 ସୁକୁମାର ସୁକୁମାର

1542 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1543 ସୁକୁମାର ସୁକୁମାର

1544 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1545 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1546 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1547 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1548 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1549 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1550 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1551 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1552 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1553 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1554 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1555 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1556 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1557 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1558 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1559 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1560 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1561 Rasminto Patra

1562 କେଶବୀ ପାତ୍ର

1563 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ

1564 Diptirekha Patra

Timamanda  
B. S. Patra  
19.11.1980



1567 ନିରଦାୟ ପଣ୍ଡା

1568 ବ୍ରଜନାଥପୁରୀ

1569 ଭୂବନା ମହାନ୍ତି

1570 ଶ୍ରୀ ଦେବଦାସୀ

1571 Boishnaba Kora

1572 ସୁଶାନ୍ତ ସିଂହ

1573 କାମେଶ୍ୱରୀ ପ୍ରଧାନ

1574 Manjubinda Purty

1575 Deepak Moharana

1576 ସୁଶାନ୍ତ ଦାଶ

1577 ଶ୍ରୀମତୀ କାମେଶ୍ୱରୀ

1578 ଶ୍ରୀମତୀ ଦାଶ

1579 Dushu Tudu

1580 ମାନ୍ଦିଆ କାମେଶ୍ୱରୀ

1581 singhu Tudu

1582 Mathun Keshkeko

1583 Deben purty

1584 ଶ୍ରୀମତୀ କୁନ୍ତଳା

1585 putul Purty

1586 କୋକିଳ ମହାନ୍ତି

1587 ଭୂବନା ମହାନ୍ତି ପ୍ରଧାନ

1588 ଶ୍ରୀମତୀ ମହାନ୍ତି

1589 ମୋହିନୀ କାମେଶ୍ୱରୀ

1591 ନାୟକ ଦେବଦାସୀ

1592 Lti Kharti Palei

1593 ଶ୍ରୀମତୀ ଦାଶ

1594 ଶ୍ରୀମତୀ ପ୍ରଧାନ

1595 ଶ୍ରୀମତୀ ପ୍ରଧାନ

1596 ଶ୍ରୀମତୀ

1597 ram suna

1598 Lti Koushal Ya Mohanta

1599 ମାନ୍ଦିଆ ମହାନ୍ତି

1600 କେଶ୍ୱରୀ ଦେବଦାସୀ

1601 Lti Rahuri Mohanta

1602 Diptimayee Pradhan

1603 ଶ୍ରୀମତୀ ଦାଶ

1604 Netrananda Mohanta

1605 Kartach mhu

1606 nini balmuch

1607 ଶ୍ରୀମତୀ କାମେଶ୍ୱରୀ

1608 ଶ୍ରୀମତୀ କାମେଶ୍ୱରୀ

1609 Lti Adhikari Mohanta

1610 Lti Dina Mohanta

Tirupathi  
Sri Jagannath  
Kalyanaram

1641 Harchhar Sendha  
 1642 ହରି ଚନ୍ଦ୍ର  
 1643 Mahendra Sahoo  
 1644 Anjali bala Sahoo  
 1645 ~~Maha~~ Malaya Biswal  
 1646 Babita Biswal  
 1647 Pradmanar Panch  
 1648 Monorama Sahoo.  
 1649 Tula Mahanta.  
 1650 Ashok Mahanta.  
 1651 ଜୁନାଲୀ ମହାନ୍ତି  
 1652 ହରିହର ମହାନ୍ତି  
 1653 ବିଶ୍ଵରାଜ ମହାନ୍ତି  
 1654 ଜଗନ୍ନାଥ ମହାନ୍ତି  
 1655 ସତ୍ୟନାଥ ଚକ୍ରବର୍ତ୍ତୀ  
 1656 ଚିନ୍ତାମଣି ଚକ୍ରବର୍ତ୍ତୀ  
 1657 ପିଞ୍ଜାବୀ ଜାରିନ  
 1658 ଅନିତା ଜାରିନ  
 1659 ଚାନ୍ଦିନୀ ଜିନ୍ଦ  
 1660 ମଧୁସୂଦାନ ମହାନ୍ତି  
 1661 P. K ନାୟକ  
 1662 ବିଜା ନାୟକ  
 1663 ସତ୍ୟନାଥ ପ୍ରଧାନ  
 1664 ବିଜି ପ୍ରଧାନ  
 1665 P. K ନାୟକ  
 1666 ଜୟୀ ନାୟକ  
 1667 Prativa Naik

1641 Harchhar Sendha  
 1642 ହରି ଚନ୍ଦ୍ର  
 1643 Mahendra Sahoo  
 1644 Anjali bala Sahoo  
 1645 ~~Maha~~ Malaya Biswal  
 1646 Babita Biswal  
 1647 Pradmanar Panch  
 1648 Monorama Sahoo.  
 1649 Tula Mahanta.  
 1650 Ashok Mahanta.  
 1651 ଜୁନାଲୀ ମହାନ୍ତି  
 1652 ହରିହର ମହାନ୍ତି  
 1653 ବିଶ୍ଵରାଜ ମହାନ୍ତି  
 1654 ଜଗନ୍ନାଥ ମହାନ୍ତି  
 1655 ସତ୍ୟନାଥ ଚକ୍ରବର୍ତ୍ତୀ  
 1656 ଚିନ୍ତାମଣି ଚକ୍ରବର୍ତ୍ତୀ  
 1657 ପିଞ୍ଜାବୀ ଜାରିନ  
 1658 ଅନିତା ଜାରିନ  
 1659 ଚାନ୍ଦିନୀ ଜିନ୍ଦ  
 1660 ମଧୁସୂଦାନ ମହାନ୍ତି  
 1661 P. K ନାୟକ  
 1662 ବିଜା ନାୟକ  
 1663 ସତ୍ୟନାଥ ପ୍ରଧାନ  
 1664 ବିଜି ପ୍ରଧାନ  
 1665 P. K ନାୟକ  
 1666 ଜୟୀ ନାୟକ  
 1667 Prativa Naik

Jiniamunda



1668 Raja Ram  
 1669 ଭକ୍ତାବଳୀ ଦାଣ  
 1670 ଭକ୍ତାବଳୀ ଦାଣ  
 1671 Subanta Parada  
 1672 ବାହୁଲ୍ୟ ନାମାବଳୀ  
 1673 Lakhana Nayak  
 1674 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1675 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1676 ସମ୍ପାଦନ  
 1677 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1678 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1679 ବିଶ୍ଵନାଥ ବିହାରୀ  
 1680 Ram Chanda Parada  
 1681 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1682 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1683 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1684 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1685 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1686 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1687 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1688 Bhul Ch. Mahanta

1690 Balaram Mahanta  
 1691 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1692 Navayan Mahanta  
 1693 Bhatati Mahanta  
 1694 Kubeli Mahanta  
 1695 Sunil Ojha  
 1696 Kakkila Mahanta  
 1697 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1698 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1699 madhusudan Prusty  
 1700 Rudra Narayan Samal  
 1701 Ananta Samal  
 1702 Gobinda Kanua  
 1703 Chandraika Kanua  
 1704 Lakshmi Parida  
 1705 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1706 Pitabash Nayak  
 1707 Sabitri Nayak  
 1708 Nirza Nayak  
 1709 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1710 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1711 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1712 Bhramara Parida  
 1713 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1714 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1715 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ  
 1716 ଭକ୍ତାବଳୀ ସମ୍ପାଦନ

1717 ସୁଜିତ ଦେବୁଆ

1718 ବିନାୟ ଦେବୁଆ

1719 ଚିନ୍ମୟ ଦେବୁଆ

1720 ସୁଜିତ ଦେବୁଆ

1721 ବିନାୟ ଦେବୁଆ

1722 Ashokata Dehury

1723 Lt. Ketuka Dehury

1724 Subarna Ray

1725 ଶ୍ରୀମତୀ ସବିତ୍ରୀ

1726 ମୁକ୍ତିମୁଖୀ, ଶ୍ରୀମତୀ

1727 Kamesh Sahoo

1728 ଦୁର୍ଲଭ ବାଗଚର

1729 Dina Bandhu Samal

1730 ସୁଜିତ ଦେବୁଆ

1731 Angada Bidolhara

1732 ପ୍ରମୋଦ ପ୍ରମୋଦ

1733 ବିରଜ ପ୍ରଧାନ

1734 Prakash Dehury

1735 ଚିନ୍ମୟ ପ୍ରଧାନ

1736 ସୁଜିତ ପ୍ରଧାନ

1737 ନାରାୟଣ ପ୍ରଧାନ

1740 ରବିକାନ୍ତ ଦେବୁଆ

1741 Lt. ଗୋବିନ୍ଦ ପ୍ରଧାନ

1742 ରବିକାନ୍ତ ଦେବୁଆ

1743 ରବିକାନ୍ତ ଦେବୁଆ

1744 Suresh Sarna



1745 कमलेश शर्मा

1746 Rahindra Das.

1747 Amiya Chandra,

1748 रामकृष्ण पटव

1749 Anurag Kumar

1750 काशी मंडल

1751 Ajoy Kumar Dash

1752 अविनाश कुमार

1753 Mirza Torab Beg -

1754 Bishnu

1755 सखानि रमा

1756 Anant Sekhy.

1757 Bipin Patra

1758 कृष्ण शर्मा

1760 Mohendra Kanti

1761 Shyamsunder Chandra

1762 श्री सुकुमार

1763 R. N. Das

1764 सखानि कुमार

1765 कृष्ण चरण

1766 अविनाश रमा

1767 बाबूदास पटव

1768 Rabi Maity

1769 वैष्णव पटव

1770 Padmanav Behara

1771 जगन्नाथ कर्माकर

1772 नारायण चरण

1773 अनिरुध पटव

1774 Mukha Roy

1775 बालकृष्ण शर्मा

1776 Ranjit Kumar

Time Limit

1778 Ramesh prasad

1779 Ilal

1780 D. K. Tripathy

1781 J. R. Patra

1782 Padmavati Patra

1783 A. K. Pradhan

1784 Babarai Patra

1785 Badol Mallick

1786 Bata Kusuma/Mohanty

1787 Prasantha Pradhan

1788 Ram Kewal Yadav

1789 Ramesh Choudhary

1790 Ananta Singh

1791 Ananta Singh

1792 Ananta Singh

1793 Ramesh Choudhary

1794 Ananta Singh

1795 Ananta Singh

1796 Ananta Singh

1797 Ramesh Choudhary

1798 Jalandhar Mohanty

1799 Ganeswar Barua

1800 Ananta Singh

1801 Pradeep Kumar

1802 Ananta Singh

1803 Gopal Das

1804 Sugrivar Mohanty

1805 Ramesh Choudhary

1806 Ananta Singh

1807 A. B. Singh

1808 Ramesh Choudhary

1809 Ananta Singh

1810 Ananta Singh

1811 Ananta Singh

1812 Ananta Singh

1813 Ananta Singh



SCHEME FOR  
PLANTATION OVER DEGRADED FOREST LAND 100MTR.  
AROUND THE MINING LEASE AREA  
OF  
KALIAPANI CHROMITE MINES  
OF  
M/s- BALASORE ALLOYS LIMITED  
UNDER  
CUTTACK FOREST DIVISION

Compliance to the Condition no. (xxvii) of the Stage-1 Forest Clearance granted by MoEF & CC,  
Govt. of India vide F.No.8-14/2016-FC dt. 18.11.2016

## CHAPTER- II

### **DETAILS OF LAND IDENTIFIED FOR PLANTATION OVER 2.28 HA IN ANR MODEL @ 1000 PLANTS/HA**

#### IDENTIFICATION OF DEGRADED FOREST LAND

##### **II (1) Details of identified Forest land:**

An area of 2.28 ha of degraded forest land within 100 mtr from the outer perimeter of Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. has been identified for plantation. The area shall be taken up for plantation in AR model @ 1000 plants/ha. The location map on Survey of India Topo Sheet is enclosed as Plate-I.

##### **II (2) Character of existing vegetation of the identified site:**

The prevailing forest growth in part of the forest land has been categorized under forest type- 3C/C<sub>2</sub>e Moist Peninsular Valley Sal. The vegetation consists of Sal and its associates like Jammu, Sunari, Asana, Kangada, etc.

##### **II (3) Suitability of the identified site:**

The identified site is a degraded patch with existing vegetation of Sal and Sal associates. Gaps are sporadically spread over the forest block. The topography of the area is undulating in the identified area. The soil is mostly hard to sandy loam. The average maximum temperature is 42° to 45° C and minimum 5° to 10° C and annual rainfall varies from 1100 mm to 1800 mm. The maximum rainfall is received during the rainy season from July to September.

## CHAPTER-III

### **DELINEATION OF PROPOSED AREA ON SUITABLE MAP**

#### **III (1) - GPS COORDINATES AND GPS MAP OF THE PLANTATION SITE**

The area has been demarcated through GPS survey and GPS survey data showing latitude and longitude of each point and their chain age with bearing is also enclosed in the map prepared thereon.

The GPS survey data with chain age map is enclosed as Plate- II.

## CHAPTER- IV

### **AGENCY RESPONSIBLE FOR PLANTATION OVER 2.28 Ha.**

#### **IV (1) - AGENCY RESPONSIBLE FOR PLACEMENT OF FUNDS**

The user agency shall provide funds to carry out plantation as per approved scheme. The funds to be deposited in CAMPA Account by the User Agency.

The Territorial Wing of the Forest Department i.e. Divisional Forest Officer, Cuttack Forest Division shall be assigned with the task for execution of plantation work.



**DETAILS OF WORK SCHEDULE PROPOSED OVER 2.28 HA**

**A. PLANTING PLAN:** Planting Plan reflects the species specific treatment of the identified site. Choice of species is based on the geo-morphology of the site, soil-texture, structure, fertility and depth, proneness of the site to water logging etc.

**Species to be planted:-**

1. *Shorea robusta* (Sal)
2. *Pterocarpus marsupium* (Piasal)
4. *Dalbergia sissoo* (Sissoo)
5. *Azadirachta indica* (Neem)
6. *Gmelina arborea* (Gambhar)
7. *Terminalia chebula* (Harida)

**B. PRE-PLANTING OPERATION**

**B (I)-RAISING OF PLANTATION STOCK- NURSERY-**

Nursery will be raised including seedlings for 10% causality replacement i.e. 1100 seedlings per hectare will be raised.

**B (II)-SURVEY, DEMARCATION & PILLAR POSTING, GPS READING WITH MAPPING-**

The planting area has been surveyed and demarcated with four feet height RCC pillars at inter visible distance with GPS coordinates, forward and backward bearing, pillar No. and distance between pillars inscribed in it. A GPS map in the scale of 1:1000 has been prepared along with GPS co-ordinates, forward & backward bearing, pillar to pillar distance and pillar numbers reflected in the map.

**C. PLANTING OPERATION**

Planting of seedlings will be taken up in the month of July. The polythene covering the ball of earth will be carefully removed before planting. Care will be taken to see that the ball of earth is not broken while doing so. The seedling with the ball of earth will then be placed firmly in the pit and buried at such a depth that the root collar is well below the surface of the soil. The soil around the plant will be well compacted with the heel as a final step so that there is a proper bond between the plant and the surrounding soil. The earth close to the collar will be slightly elevated so that rain water does not accumulate very close to the plant.

**D. POST PLANTING OPERATION**

**D (1) CASUALTY REPLACEMENT**

The entire area will be gone over in the same order as plantation was carried out and casualties, if any, will be replaced as soon as the main plantation operation is over.

**D (2) WEEDING AND SOIL WORKING**

Regular and efficient weeding will start immediately in the month of Aug- Sept.

**D (3) MANURING AND INSECTICIDE APPLICATION**

On degraded sites urban compost or farmyard manure, wherever available, will be added to the soil while refilling the pits. As regards artificial fertilizers, the minerals required and dosage will be applied in the month of August to September as per the schedule and dosage provided in the Cost Norm.

#### D (4) PROTECTION AGAINST FIRE AND GRAZING

Fire line tracing will be ensured to protect the plantation from fire and watch & ward will be provided as per the approved norm for protecting the plantation & protect the plant site from grazing by domestic animals using Bamboo Twig fencing around the plantation site over an area 2.28ha.

#### D (5) SOIL MOISTURE CONSERVATION ACTIVITIES

Soil Conservation measure structures like Staggered Trench, Contour trench, sub-surface dyke, graded earthen bund, LBCD will be carried out. The detail cost structure is enclosed as Annexure-3.

#### D (6) WATERING

Watering of the planted trees will be carried out. The detail cost structure is enclosed as Annexure-4.

### CHAPTER-VI

#### REQUIREMENT OF FUNDS

For implementation of all prescriptions outlined above, Rs 20, 15,069.00 (Rupees Twenty Lakh Fifteen Thousand Sixty-Nine) only will be required as detailed below.

1.	AR plantation @ 1000 plants/Ha with 10 years maintenance amounting to Rs.2, 47,719/- per Ha. Expenditure for 2.28 ha (2.28 x Rs.2,47,719) = Rs 5,64,799.32	Rs 5,64,799.32
2	Bamboo twigs continuous fencing @ Rs. 1,03,110/- per 250 Rmt for 2.28 ha including maintenance to be carried out:- Expenditure for ha {Rs. 1,03,110/- x 2.28 ha} = Rs 2,35,090.80	Rs 2,35,090.80
3	SMC activities over 2.28 ha @ Rs.35,634/- per ha	Rs. 81,245.52
4	Water provision over 2.28 ha @ Rs. 4,97,339/- per ha	Rs. 11,33,932.92
	<b>TOTAL PLANTATION COST</b>	Rs 20,15,068.56
		Or say Rs 20,15,069.00

(Rupees Twenty Lakh Fifteen Thousand Sixty-Nine) Only

NB: - The cost norm for AR plantation @ 1000 plants per ha, the cost norm for Bamboo Twigs continuous fencing for Block Plantation is taken @ onetime cost norm.

  
Divisional Forest Officer  
Cuttack Forest Division

### CHAPTER-VII



**PROVISION OF FUNDS AND FUND UTILIZATION**

Rs 20, 15,069.00 (Rupees Twenty Lakh Fifteen Thousand Sixty-Nine) only shall be deposited by M/s Balasore Alloys Ltd on approval of the scheme to the Ad-hoc CAMPA Account and the funds will be utilized for raising plantation over 2.28 ha of degraded forest land by the Divisional Forest Officer, Cuttack Forest Division on allotment by the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.

  
Divisional Forest Officer  
Cuttack Forest Division


**Total Project Cost for Plantation in Degraded Forest land over 2.28 ha in Mahagiri DPF**

Sl No.	Item of Work	Estimated cost in (Rs.)
1	Block Plantation (1000 Plants/ Ha.) over 2.28 Ha @2,47,719/Ha	Rs.5,64,799.32
2	Fencing Model-F-I(Bamboo Twig) over 2.28 Ha@1,03,110/Ha	Rs.2,35,090.80
3	Soil Moisture Conservation cost over 2.28 Ha @35,634/Ha	Rs.81,245.52
4	Watering Model-II (Diesel Pump set Fitted with Bore well) over 2.28 Ha @4,97,339/ Ha	Rs.11,33,932.92
	Grand Total	Rs.20,15,068.56 Or Rs.20,15,069.00

(Rupees Twenty Lakh Fifteen Thousand Sixty-Nine) Only

  
DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION

*Approved for Rs. 20,15,069/-*

  
Regional Forest Conservator  
of Forests, Angul Circle.



**BASE COST NORM FOR AFFORESTATION (AR PLANTATION) @1000 PLANTS PER  
HECTARE**

<b>1. MODEL</b>	<b>BLOCK</b>
<b>2. NO. OF PLANTS PER HA.</b>	<b>1,000</b>
<b>3. TOTAL AREA TO BE PLANTED(In HA.)</b>	<b>2.28</b>
<b>4. SPACING TO BE ADOPTED</b>	<b>2.5M X 2.5M</b>
<b>5. TOTAL NOS. OF PLANTS TO BE PLANTED</b>	<b>2,280</b>
<b>6. Wage Rate [Per MD]</b>	<b>333.00</b>

Sl. No.	Item of Works	Period of execution	Mandays	Labour Cost @	Material Cost	Total in Rs.
1	2	3	4	5	6	7
<b>Pre-Planting Operation (0<sup>th</sup> Year)</b>						
1	Survey, Demarcation and Pillar Posting	Nov/Dec	2	666.00	0	666.00
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	333.00	100	433.00
3	Site preparation (Cleaning & removal of debris)	Nov/Dec	12	3,996.00	0	3,996.00
4	Creation of 4.00 mt wide Inspection Path	Feb/Mar	1	333.00	0	333.00
5	Alignment and stacking of pits	Feb/Mar	1	333.00	0	333.00
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard & gravelly soil	Feb/Mar	40	13,320.00	0	13,320.00
7	Construction of Temporary Labour Shed, Drinking water facility and First Aid etc.	Jan/Mar	0	0.00	3500	3,500.00
	<b>Total:-</b>		<b>57</b>	<b>18,981.00</b>	<b>3,600.00</b>	<b>22,581.00</b>
<b>1st Year/ Planting Year</b>						
1	Refilling of pits by altering the dugout soil of the pits, application of Organic compounds/ CDM/ FYM & mixing the same properly.	Jun/July	7.5	2,497.50	5,000.00	7,497.50
2	Transportation of 18 months old polypot seedlings in hired truck/ tractor from the Permanent/ Mega nursery to planting site including loading & unloading. (Average lead of 10 Rkm) & stacking the seedlings @ Rs.6/- per Seedling. (1100 nos.)	July/Aug	0	0.00	6,600.00	6,600.00
3	Watering the polypot seedlings at planting site	July/Aug	2	666.00	0.00	666.00
4	Conveyance of polypot seedlings on head load from the stacking site to individual dug out pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & pressing the soil properly around the planted seedlings.	July/Aug	22.5	7,492.50	0.00	7,492.50
5	<b>Cost of Fertilizer &amp; Insecticide:-</b> (a) NPK / Bio-fertilizer @50 gms/ plant as basal dose = 50 kg @ Rs.30/- per kg = Rs1500.00 (b) Urea/ Vermicompost/ Mo Khata/ any other fertilizer in two subsequent doses @ Rs.750.00 (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 5 kg @ Rs/150/- per kg = Rs 750.00	July/Aug	0	0.00	3,000.00	3,000.00

Sl. No.	Item of Works	Period of execution	Mandays	Labour Cost @	Material Cost	Total in Rs.
1	2	3	4	5	6	7
6	Casualty Replacement @ 10% (100 nos.).	July/Aug	2.5	832.50	0.00	832.50
7	1st Weeding & Manuring.	Aug/Sept	12	3,996.00	0.00	3,996.00
8	2nd Weeding, Soil working (1mt. Diameter around the plants) and Manuring.	Oct/Nov	15	4,995.00	0.00	4,995.00
9	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
10	Watch & Ward including watering as per requirement.	Aug-Mar	12	3,996.00	0.00	3,996.00
	<b>Total:-</b>		<b>76.5</b>	<b>25474.5</b>	<b>14600</b>	<b>40,074.50</b>
<b>2nd Year Maintenance</b>						
1	Transportation of 100 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs.6/- per seedling.	Jul	0	0.00	600.00	600.00
2	Casualty Replacement @ 10%	Jul	2.5	832.50	0.00	832.50
3	<b>Cost of Fertilizer &amp; Insecticide:-</b> (a) Cost of Insecticide/ Bio-pesticide @ 5 gms/ plant = 0.5 kg @ Rs.150/- per kg = Rs.75/- (b) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer @ Rs.2800/-	Aug/Sept	0	0.00	2,875.00	2,875.00
4	Weeding (Complete weeding), Manuring & Soil working (1mt. Diameter around the plants).	Sept/Oct	15	4,995.00	0.00	4,995.00
5	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
6	Watch & Ward including watering as per requirement.	Apr-Mar	18	5,994.00	0.00	5,994.00
7	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.				1,000.00	1,000.00
	<b>Total:-</b>		<b>38.5</b>	<b>12820.5</b>	<b>4,475.00</b>	<b>17295.5</b>
<b>3rd Year Maintenance</b>						
1	Cost of fertilizer (Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer).	Sept/Oct	0	0.00	2,800.00	2,800.00
2	Weeding , Manuring & Soil working (1mt. Diameter around the plants).	Sept/Oct	15	4,995.00	0.00	4,995.00
3	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
4	Watch & Ward including watering as per requirement.	Apr-Mar	18	5,994.00	0.00	5,994.00
5	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr-Mar			1,000.00	1,000.00
	<b>Total:-</b>		<b>36</b>	<b>11,988.00</b>	<b>3,800.00</b>	<b>15,788.00</b>



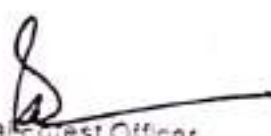
Sl. No.	Item of Works	Period of execution	Mandays	Labour Cost @	Material Cost	Total in Rs.
1	2	3	4	5	6	7
<b>4th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>5th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>6th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Pruning of branches, Singling out of multiple shoots	Jan/Mar	3	999.00	0.00	999.00
3	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>24</b>	<b>7,992.00</b>	<b>0</b>	<b>7,992.00</b>
<b>7th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>8th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>9th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>
<b>10th Year Maintenance</b>						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path.	Feb/Mar	3	999.00	0.00	999.00
2	Watch & Ward including maintenance of fencing.	Apr-Mar	18	5,994.00	0.00	5,994.00
	<b>Total:-</b>		<b>21</b>	<b>6,993.00</b>	<b>0</b>	<b>6,993.00</b>

**TOTAL COST FOR 1 HA.**

Sl. No.	Year	No. person days	Labour Cost @ Rs.333/-	Material Cost (Rs.)	Monitoring Evaluation, Learning, Documentation and other Contingency (5%) of (4+5)	Cost of Seedlings @ Rs.53.0486/- per seedlings	Total Cost (Rs.)
1	0th year	57	18981	3600	973	0	23,554.00
2	1st year	76.5	25474.5	14600	1918.5	58353.46	1,00,346.46
3	2nd year	38.5	12820.5	4475	821.5	5304.86	23,421.86
4	3rd year	36	11988	3800	749	0	16,537.00
5	4th year	21	6993	0	326	0	7,319.00
6	5th year	21	6993	0	326	0	7,319.00
7	6th year	24	7992	0	373	0	8,365.00
8	7th year	21	6993	0	326	0	7,319.00
9	8th year	21	6993	0	326	0	7,319.00
10	9th year	21	6993	0	326	0	7,319.00
11	10th year	21	6993	0	326	0	7,319.00
<b>Total:-</b>		<b>358</b>	<b>1,19,214.00</b>	<b>26,475.00</b>	<b>6,791.00</b>	<b>63,658.32</b>	<b>2,16,138.32</b>

**TOTAL PROJECT COST FOR 2.28 HA.**

Sl. No.	Year	No. Mandays	Labour Cost @ Rs.333/-	Material Cost (Rs.)	MELD & Other Contingency (5%) of (4+5)	Cost of Seedlings @ Rs.53.0486/- per seedlings	Total Cost (Rs.)
1	0th year	129.96	43276.68	8208.00	2218.44	0	53,703.12
2	1st year	174.42	58081.86	33288.00	4374.18	133045.89	2,28,789.93
3	2nd year	87.78	29230.74	10203	1873.02	12095.08	53,401.84
4	3rd year	82.08	27332.64	8664	1707.72	0	37,704.36
5	4th year	47.88	15944.04	0	743.28	0	16,687.32
6	5th year	47.88	15944.04	0	743.28	0	16,687.32
7	6th year	54.72	18221.76	0	850.44	0	19,072.20
8	7th year	47.88	15944.04	0	743.28	0	16,687.32
9	8th year	47.88	15944.04	0	743.28	0	16,687.32
10	9th year	47.88	15944.04	0	743.28	0	16,687.32
11	10th year	47.88	15944.04	0	743.28	0	16,687.32
<b>Grand Total:-</b>		<b>816.24</b>	<b>2,71,807.92</b>	<b>60,363.00</b>	<b>15,483.48</b>	<b>1,45,140.97</b>	<b>4,92,795.37</b>
<b>OR</b>							<b>4,92,795.00</b>
<b>(Rupees Four Lakh Ninety-Two Thousand Seven Hundred Ninety-Five) Only</b>							


  
 Divisional Forest Officer  
 Cuttack Forest Division



Matrix for Model-IA Conventional CA Plantation (AR) 1000 plants

SL No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XX	XXI	Total Cost (10 Years)
Base Norm		23554	23422	23422	16537	7319	7319	8365	7319	7319	7319	7319										
1 2022-23		23554	25823	25823	19144	8896	9341	11210	10299	10813	11354	11922										247719
2 2023-24			24732	110632	27114	20101	9341	9808	11770	10813	11354	11922	12518									260105
3 2024-25				25968	116164	28469	21106	9808	10299	12359	11354	11922	12518	13144								273111
4 2025-26					27267	121972	29893	22161	10299	10813	12977	11922	12518	13144	13801							285766
5 2026-27						28630	128070	31388	23269	10813	11354	13626	12518	13144	13801	14491						301105
6 2027-28							30062	32957	32957	24433	11354	11922	14307	13144	13801	14491	15216					316160
7 2028-29								31565	141198	34605	25654	11922	12518	15022	13801	14491	15216	15975				331963
8 2029-30									33143	148257	36335	26937	12518	13144	15773	14491	15216	15975	16775			348566
9 2030-31										34800	###	38152	28284	13144	13801	15562	15216	15975	16775	17514		363994
10 2031-32											36540	163454	40059	29698	13801	14491	17390	15975	16775	17514	18494	384294

(Rupees Two Lakh Forty-Seven Thousand Seven Hundred Nineteen) Only



DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION

**FENCING FOR COMPENSATORY PLANTATION RAISED INSIDE THE FOREST AREAS USING BAMBOO TWIGS & THIRONS (250 Rmt/Ha.)**

1. MODEL	BL.0000
2. TOTAL AREA TO BE FENCED(250 Rmt/Ha.)	1.28 Ha.
3. Wage Rate (Per MD)	333.00

**WAGE RATE Rs.333/-PER DAY**

Item of work	Preferable Period of Execution	Man days	Wages	Material cost	Total Cost (Rs./Ha.)
<b>0th Year (PPO)</b>					
Nil		0	0	0	0
<b>1st Year Maintenance</b>					
Taking an average perimeter of 250 Rmt/ Ha @ 93.85/ mt. (Half bundle Bamboo Twigs/ mt @ 120 / Bundle) Labour : material = 40: 60 (approx)	Sept/Oct	30	9,990.00	14,133.00	24,123.00
Bamboo poles of 8" height at a distance of 2mt. Spacing side fixed 2" under & 2" above soil 250/2=125=125 Nos. of Bamboo Poles 1 Bamboo (approx) 24" height= 3 Poles 125/3=42 Bamboo @ 200 / Bamboo	Sept/Oct	-	-	8,400.00	8,400.00
Preparation of Bamboo Poles, Digging of holes of 2 Ft. depth & fixing Bamboo poles @ 20 poles MD	Sept/Oct	6.5	2,164.50	-	2,164.50
Costing Bamboo for tying the Bamboo twigs row fence with double side two strand Bamboo batten ( One 6" above ground and other one 4" above ground) 250/2=125=125 Bamboo @ 200 / Bamboo	Sept/Oct	-	-	4,200.00	4,200.00
Making Bamboo batten, Finishing the Batten & Tying the same in double strand on Coir rope etc. Rs. 11/ Rmt.	Sept/Oct	9	2,997.00	-	2,997.00
Coir rope type @ Rs. 7.125 Kg/ Rmt 250 X 0.125 Kg= 31.25 Kg @ Rs. 70 Kg	Sept/Oct	-	-	4,375.00	4,375.00
Making coir Bamboo Twigs gate with Bamboo frame			-	500.50	500.50
<b>Total:-</b>		<b>45.5</b>	<b>15,151.50</b>	<b>31,608.50</b>	<b>46,760.00</b>
Per Rmt @ 46760 / 250 = 187.04					
<b>2nd Year Maintenance</b>					
Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,660.00	1,500.00	8,160.00
Per Rmt @ 8160 / 250 = 32.64 Rmt or Rs.31-Rmt					
<b>3rd Year Maintenance</b>					
Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,660.00	5,675.00	12,335.00
Per Rmt @ 12335 / 250 = 49.34 Rmt or Rs.48-Rmt					
<b>4th Year Maintenance</b>					
Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,660.00	5,675.00	12,335.00
Per Rmt @ 12335 / 250 = 49.34 Rmt or Rs.48-Rmt					
<b>5th Year Maintenance</b>					
Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,660.00	5,675.00	12,335.00
Per Rmt @ 12335 / 250 = 49.34 Rmt or Rs.48-Rmt					




**TOTAL COST FOR 1 HA(250Rmt.)**

Year	No. of MD	Labour Cost	Material Cost	Total
0 <sup>th</sup> Year	-	-	-	0.00
1 <sup>st</sup> Year	45.50	15,151.50	31,608.50	46,760.00
2 <sup>nd</sup> Year	20	6660.00	1500.00	8,160.00
3 <sup>rd</sup> Year	20	6660.00	5675.00	12,335.00
4 <sup>th</sup> Year	20	6660.00	5675.00	12,335.00
5 <sup>th</sup> Year	20	6660.00	5675.00	12,335.00
<b>TOTAL:-</b>	<b>125.5</b>	<b>41,791.50</b>	<b>50,133.50</b>	<b>91,925.00</b>

**TOTAL COST FOR 2.28 Ha(0.57 Rkm)**

Year	No. of MD	Labour Cost	Material Cost	Total
0 <sup>th</sup> Year	0	-	-	-
1 <sup>st</sup> Year	103.7	34,545.42	72,067.38	1,06,612.80
2 <sup>nd</sup> Year	46	15,184.80	3,420.00	18,604.80
3 <sup>rd</sup> Year	46	15,184.80	12,939.00	28,123.80
4 <sup>th</sup> Year	46	15,184.80	12,939.00	28,123.80
5 <sup>th</sup> Year	46	15,184.80	12,939.00	28,123.80
<b>TOTAL:-</b>	<b>286.14</b>	<b>95,284.62</b>	<b>1,14,304.38</b>	<b>2,09,589.00</b>
<b>OR</b>	<b>286</b>	<b>95,285.00</b>	<b>1,14,304.00</b>	<b>2,09,589.00</b>

(Rupees Two Lakh Nine Thousand Five Hundred Eighty-Nine)Only

  
 Divisional Forest Officer  
 Cuttack Forest Division

Sl. No.		Common cement Year	Matrix for Fencing Model 1-1 (Bamboo Twig)																				Total Cost (10 Years)
			I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI
Base Norm		0		46760	8160	12335	12335	12335															
1	2022-23	0		49098	8996	14279	14993	15743															
2	2023-24			0	51553	9446	14993	15743	16530														103110
3	2024-25				0	54131	9919	15743	16530	17357													108265
4	2025-26					0	56837	10414	16530	17357	18224												113679
5	2026-27						0	59679	10935	17357	18224	19136											119363
6	2027-28							0	62663	11482	18224	19136	20092										125331
7	2028-29								0	65796	12056	19136	20092	21097									131597
8	2029-30									0	69086	12659	20092	21097	22152								138177
9	2030-31										0	72540	13292	21097	22152	23259							145086
10	2031-32											0	76167	13956	22152	23259	24422						152340
																							159957

(Rupees One Lakh Three Thousand One Hundred Ten) Only

  
 DIVISIONAL FOREST OFFICER  
 CUTTACK FOREST DIVISION



SMC Works Model-C			
Cost Norms for creation of Afforestation with stabilization of Soil & Conservation of Moisture (1000 Plants/ Ha).			
Sl. No.	Items of work	Preferable Period of Execution	Total Cost (Rs.)
<b>0<sup>th</sup> Year (Pre-Planting Operation)</b>			
1	Nil		0
<b>1<sup>st</sup> Year</b>			
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Dyke & WHS as per the slope & site requirement on LS.	Apr/Sept	20,215.00
<b>2<sup>nd</sup> Year</b>			
3	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>3<sup>rd</sup> Year</b>			
4	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>4<sup>th</sup> Year</b>			
5	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>5<sup>th</sup> Year</b>			
6	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
<b>Total</b>			<b>32,343.00</b>

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs.333/- per day	Material Cost	Total Cost (Rs)
1	0 <sup>th</sup> Year	0	0.00	0.00	0.00
2	1 <sup>st</sup> Year	0	0.00	20,215.00	20,215.00
3	2 <sup>nd</sup> Year	0	0.00	3,032.00	3,032.00
4	3 <sup>rd</sup> Year	0	0.00	3,032.00	3,032.00
5	4 <sup>th</sup> Year	0	0.00	3,032.00	3,032.00
6	5 <sup>th</sup> Year	0	0.00	3,032.00	3,032.00
<b>Total</b>		<b>0</b>	<b>0.00</b>	<b>32,343.00</b>	<b>32,343.00</b>

Abstract for 2.28 ha.					
SL No.	Year	No. person days	Labour Cost @ Rs.333/- per day	Material Cost	Total Cost (Rs)
1	0 <sup>th</sup> Year	0	0.00	0.00	0.00
2	1 <sup>st</sup> Year	0	0.00	46090.20	46,090.20
3	2 <sup>nd</sup> Year	0	0.00	6912.96	6,912.96
4	3 <sup>rd</sup> Year	0	0.00	6912.96	6,912.96
5	4 <sup>th</sup> Year	0	0.00	6912.96	6,912.96
6	5 <sup>th</sup> Year	0	0.00	6912.96	6,912.96
Total		0	0.00	5498.31	73,742.04
OR					73,742.00

Rupees Seventy-Three Thousand Seven Hundred Forty-Two only

  
Divisional Forest Officer  
Cutback Forest Division



Matrix for (SMC) for IIIa.

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
	Base Norm	0	20,215	3,032	3,032	3,032	3,032																35634
1	2022-23	0	21226	3343	3510	3685	3870																17415
2	2023-24		0	22287	3510	3685	3870	4063															39296
3	2024-25			0	23401	3685	3870	4063	4266														41250
4	2025-26				0	24571	3870	4063	4266	4480													43313
5	2026-27					0	25800	4063	4266	4480	4704												45478
6	2027-28						0	27090	4266	4480	4704	4939											47752
7	2028-29							0	28445	4480	4704	4939	5186										50140
8	2029-30								0	29867	4704	4939	5186	5445									52647
9	2030-31									0	31360	4939	5186	5445	5717								55299
10	2031-32										0	32925	5186	5445	5717	6001							

(Rupees Thirty-Five Thousand Six Hundred Thirty-Four) Only



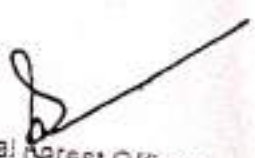
DIVISIONAL FOREST OFFICER  
CUTTACK FOREST DIVISION

Water Model-W-II		
Water provision to Plantation		
Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wage Rate @ 333/-		
Year of Installation (0 <sup>th</sup> Year)		
1	Cost of Bore well	1,50,000.00
2	Cost of Diesel pump Set 5 HP	60,000.00
3	Diesel pump set & accessories like	30,000.00
4	Water Storage Tanks/ Flexible pipes	15,000.00
	<b>Total</b>	<b>2,55,000.00</b>
Cost of Water per Plant(2,55,000/5000)=Rs.51/-		51,000.00
Cost of Water per Ha.=Rs.51,000/-		
1 <sup>st</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 5Month=100 MDx333=	33,300.00
	<b>Total</b>	<b>54,300.00</b>
2 <sup>nd</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>
3 <sup>rd</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>
4 <sup>th</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>
5 <sup>th</sup> Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx333=	53,280.00
	<b>Total</b>	<b>81,930.00</b>



Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.333/- per day	Material Cost	Total cost (Rs.)
1	0 <sup>th</sup> Year	0	0.00	51,000.00	51,000.00
2	1 <sup>st</sup> Year	100	33,300.00	21,000.00	54,300.00
3	2 <sup>nd</sup> Year	160	53,280.00	28,650.00	81,930.00
4	3 <sup>rd</sup> Year	160	53,280.00	28,650.00	81,930.00
5	4 <sup>th</sup> Year	160	53,280.00	28,650.00	81,930.00
6	5 <sup>th</sup> Year	160	53,280.00	28,650.00	81,930.00
Total		740	2,46,420.00	1,86,600.00	4,33,020.00

Abstract for 2.28 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.333/- per day	Material Cost	Total cost (Rs.)
1	0 <sup>th</sup> Year	0.0	0.00	1,16,280.00	1,16,280.00
2	1 <sup>st</sup> Year	228.0	75924.00	47,880.00	1,23,804.00
3	2 <sup>nd</sup> Year	364.8	121478.40	65,322.00	1,86,800.40
4	3 <sup>rd</sup> Year	364.8	121478.40	65,322.00	1,86,800.40
5	4 <sup>th</sup> Year	364.8	121478.40	65,322.00	1,86,800.40
6	5 <sup>th</sup> Year	364.8	121478.40	65,322.00	1,86,800.40
Total		1687.2	561837.60	4,25,448.00	9,87,285.60
				OR	9,87,286.00
(Rupees Nine Lakh Eighty-Seven Thousand Two Hundred Eighty-Six) Only					

  
 Divisional Forest Officer  
 Cuttack Forest Division

Matrix for Watering WH (Diesel Pump set with Borewell) over 1 Ha.

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
Base Norm		51000	54300	81930	81930	81930	81930																
1	2022-23	51000	57015	90328	94844	99586	104566																497339
2	2023-24		53550	59866	94844	99586	104566	109794															522206
3	2024-25			56228	62859	99586	104566	109794	115284														548316
4	2025-26				59039	66002	104566	109794	115284	121048													575732
5	2026-27					61991	69302	109794	115284	121048	127100												604519
6	2027-28						65090	72767	115284	121048	127100	133455											634745
7	2028-29							68345	76406	121048	127100	133455	140128										666482
8	2029-30								71762	80226	127100	133455	140128	147135									699806
9	2030-31								75350	84237	133455	140128	147135	154491									734797
10	2031-32									79118	88449	140128	147135	154491	162216								771536

(Rupees Four Lakh Ninety-Seven Thousand Three Hundred Thirty-Nine) Only

  
 DIVISIONAL FOREST OFFICER  
 CUTTACK FOREST DIVISION





Proposal for diversion 64.119 ha. of SabikKissam forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district ,Odisha

Undertaking

We do hereby undertake that, the mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry by our Kaliapani Chromite Mines of M/s Balasore Alloys Ltd,

**Managing Director**  
  
**Balasore Alloys Ltd**

**COUNTERSIGNED**

  
Divisional Forest Officer  
Cuttack Forest Division



OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS, ANGUL CIRCLE,  
AT/PO- HAKIMPADA, ANGUL- 759143, ODISHA, Phone-06764-296010 (O), 296011 (Res).

Email Id: [rcfangu@gmail.com](mailto:rcfangu@gmail.com)

Memo No. 4809/SF,FC-85/2022. Dated. 11-11-22

To

The Divisional Forest Officer,  
Cuttack Forest Division.

Sub:- Diversion of 64.119 ha of sabik kism forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite Mining in Kaliapani Chromite Mines of M/s- Balasore Alloys Ltd. in Jajpur District of Odisha.

Ref:- (i) Letter No.8-14/2016-FC dated 18.11.2016 of GoI, MoEF & CC (FC Division).  
(ii) Your Memo No. 7420 dated 10.11.2022.

As per condition No. xxix of the stage-I approval order of the above project the scheme for desilting of village Pond with ancillary activities to mitigate the impact of siltation for the ponds located within 5 KM. radius of Kaliapani Chromite Mines of M/s- Balasore Alloys Ltd. submitted vide your memo under reference is approved by the undersigned for Rs.2,58,223 /-.

Three copies of approved scheme are sent herewith for information and needful action. Further you are requested to submit point-wise compliance on the stipulated conditions imposed in stage- I approval order along with CAMPA Format to this office for further action.

Encl: As above.

  
Regional Chief Conservator of Forests  
Angul

Memo No. 4810 /dated. 11-11-22

Copy along with a copy of the above approved scheme forwarded to the Principal Chief Conservator of Forests (Forest Diversion and Nodal Officer, FC Act), Office of the Principal Chief Conservator of Forests & HoFF, Odisha for favour of information and necessary action.

Encl: As above.

  
Regional Chief Conservator of Forests  
Angul

Memo No. 4811 /dated. 11-11-22

Copy forwarded to the Managing Director, M/s- Balasore Alloys Ltd. Module C/1<sup>st</sup> floor, Fortune Tower, Chandrasekharpur, Bhubaneswar for information and necessary action.

  
Regional Chief Conservator of Forests  
Angul



## **Scheme**

**For**

***"Desilting Of Villages Pond with Ancillary Activities to  
mitigate the Impact of siltation for the Ponds Located Within  
5.0 Km Radius "***

***of***

**Kaliapani Chromite Mines of M/s Balasore Alloys Ltd  
in Cuttack Forest Division, Cuttack, Odisha.  
in compliance to**

***"Condition No – xxix of Stage-I Forest Clearance Letter No.F.No.8-  
14/2016-FC dated 18th November,2016" Of Govt. Of India, Ministry of  
Environment , Forest & Climate Change, New Delhi.  
for***

**Diversion of 64.119 Hects Forest land  
within 64.463 Ha ML Area.**



***Submitted By: M/s Balasore Alloys Ltd  
At/Po: Kaliapani,  
Dist: Jajpur, Odisha.***



## 1. Introduction:

M/s. Balasore Alloys Limited (BAL) formerly Ispat Alloys Limited, has its Registered Office at Balgopalpur, District Balasore, Odisha. The Company has its Captive Chromite Mines at Kaliapani, tehsil Sukinda Dist: Jajpur, Odisha. Mining Lease deed with respect to 64.463 ha area was duly executed between M/s Balasore Alloys Ltd and Collector, Jajpur on 15.7.2000 with validity of Lease up to 16.07.2030. Mining operation in the Lease hold area was started in Sept' 2000 and is still continuing. Since inception total area of 64.463 ha is mentioned as Non-forest land mining operation is going on over the area with all statutory approval accordingly. In view of MoEF guidelines, vide No. 8-78/1996-FC (pt) dated 10.3.2015 and subsequent Circular dated 30.3.2015 issued by State Govt., the land record found to be 64.119 ha Forest land and balance 0.344 ha as road (Non-Forest).

Accordingly Proposal was submitted on 01.01.2016 Vide No FP/OR/MIN/11934/2015, State SI No: OR-025/2016 for diversion of forest land involved and Stage-I is accorded vide No: 8-14/2016-FC. Date 18<sup>th</sup> November, 2016.

It is to mention that while granting Stage-1 approval MoEF& CC, New Delhi, Govt of India has stipulated a condition No2. Xxix *"The user agency shall prepare a list of existing village tanks and other water bodies with GPS co-ordinate located within five km. From the mine lease boundary. This list is to be duly verified by the concerned Divisional Forest Officer. The user agency shall regularly undertake desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/ water bodies. A detailed plan for desilting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF&CC before stage-II approval"*. In compliance to above condition, a detail plan for said purpose has been prepared and shall be implemented.

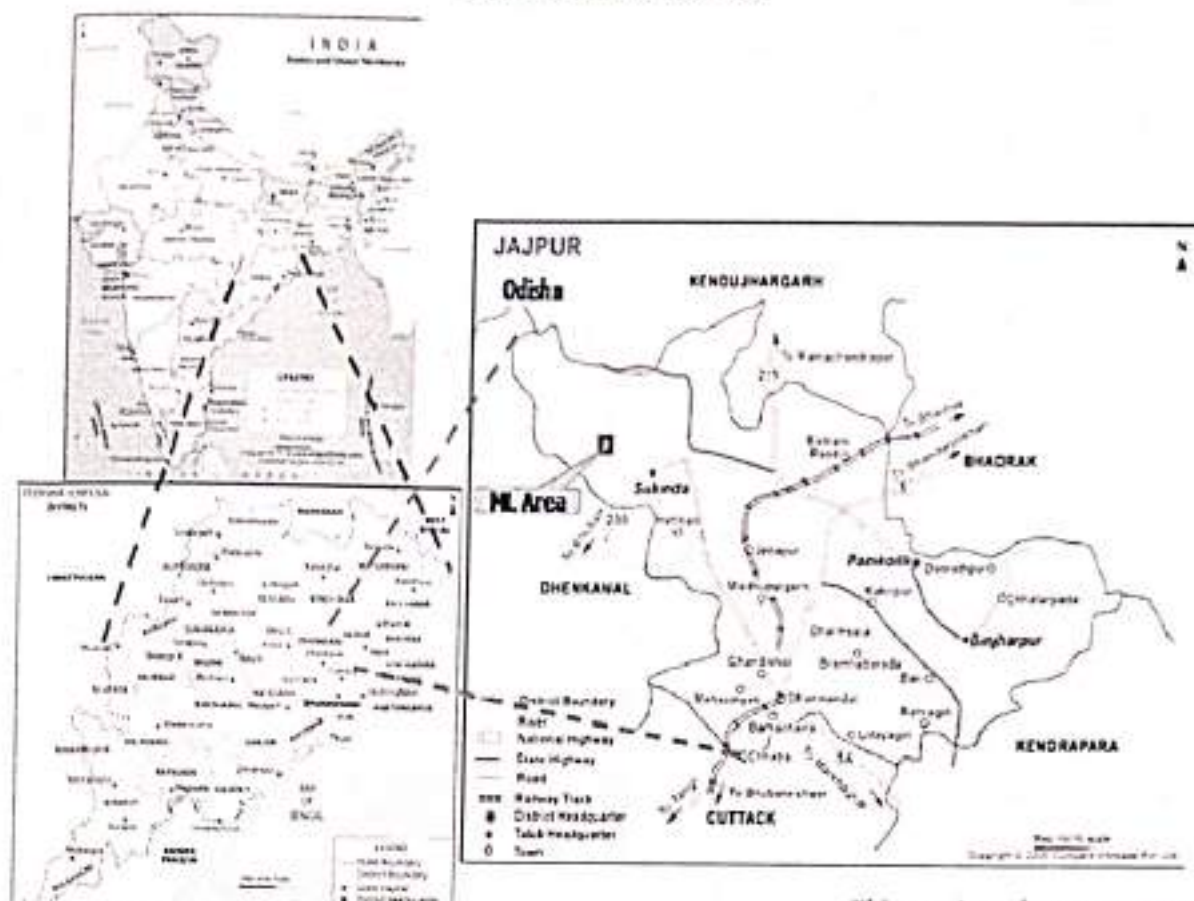
## 2. Location

The Kaliapani Chromite Mines is situated at Village Kaliapani of Sukinda Tahasil, Dist Uajpur, Odisha. The Mining Lease hold area covers 64.463 ha. This is a part of Survey of India Topo- Sheet bearing No 73G/16 (F45N16) bounded by Latitude: N 21° 00' 29.54" to N 21° 01' 34.47" and Longitude: E 85° 45' 29.97" to E 85° 44' 27.99".

Location map given below as figure-2.1



Figure 2.1: Location Map

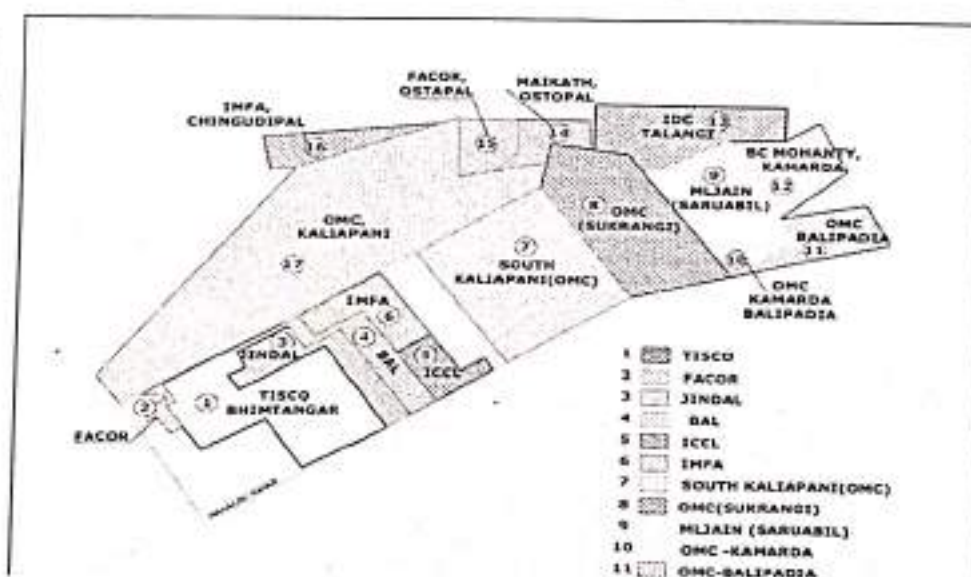


This project forms a part of the sukinda valley bounded by northern Daitary Hill Range and Southern Mahagiri hill range.

## 2.1 Other Mining leases in the Zone of Impact

Further the mines is located within cluster of mines such as lease of Sukinda Chromite Mines of M/s IMFA and South Kaliapani Chromite Mine of M/s OMC Ltd on the East, Jindal Chromite Mines of M/s Jindal Stainless Ltd (JSL) and Sukinda Chromite Mines of M/s Tata Steel Ltd on west, in south IspatSukinda Chromite Mine of M/s Balasore Alloys Ltd respectively. As such way there are conglomerate of Chromite Mines stands spreading over in one contiguous patch.

Figure showing of Other



2.2 Map Location Leases

## 2.II Salient Feature of Mines:

The environmental setting of the mines is given in Table -1

Table-1: Environmental Setting

Particulars	Description
M.L. Area	64.463 ha
Location	Kaliapani village, Sukinda tehsil, Jajpur district, Odisha
Toposheet nos.	73 G/12, G/16, H/9, H/13
Latitude	Latitude : N 21°02'9.82" to N 21°01'33.05"
Longitude	Longitude : E 85°45'29.24" to E 85°46'28.24"
Elevation above MSL	The valley lies between the Mahagiri Hill (707.69 m) on the south and Tomka range (782.42 m) on the north
Climatic conditions As per IMD	Tropical, semi- arid and hot, experiences bitter cold in winter and intensely warm in summer
Nearest highway (in km)	SH-20 (25 km in ESE direction); NH-200 (23 km in South direction); NH-215 (38 km in East direction); and NH-5 (62 km in SE direction).
Nearest town	Duburi Town (35 km, E)
Nearest railway station	Jajpur-Keonjhar Road (52 km, SE)
Nearest airport	Bhubaneswar Airport (150 Km, South)
Tourist places	Nil in 10 km radius
Places of archaeological important	There are no archeologically important places within 10 km radius
Protected areas as per Wildlife Protection Act, 1972 (Tiger reserve, Elephant reserve, Wildlife sanctuaries, National park, Conservation reserve and community reserve)	Nil within 10 km radius
Protected & Reserved forests within 10 km radius from mine lease boundary	Mahagiri PF (adjacent to ML area, E); Daitari PF (3.3 km, NE); Ranjarah RF (3.5 km, NW); Birasal RF (5.2 km, SW);and Dhalparha RF (6.7 km, S).
Rivers/Lakes	Damsal nala (0.7 km, NNW); Patna nala 1.3 km, N; Nadibarana nala (seasonal) 3.4 km W; Pond near Ragada village (4.0 km, NW); Pandara nala (seasonal) (5.0 km ,S); Karchamula nala (5.3 km, NW); and



Particulars	Description
	Sasubhushuri nala (seasonal), 6.4 km NNW.
Industries/mines in 15 km	There are totally 13 operating Chromite mines in Sukinda valley. In addition to the existing BAL mine, Eleven opencast mines and Two underground mine (FACOR-Kathapal & Mahagiri, IMFA) in Sukinda valley. Some of the mines has been operating since 1960/1980
Seismic Zone	Seismic Zone-II as per IS-1893 (Part-1)-2002 The site is seismically stable zone.

## 2. III Climatological Conditions

The climate of the study are as humid and tropical. It is characterized by a hot and dry pre-monsoon from March to May, a monsoon or rainy season from June to September and a cool winter from October to February.

**Temperature:** The annual maximum daily mean temperature is 33.3°C, while the absolute maximum temperature is 47.2°C. Similarly, the annual minimum daily mean temperature is 20.7°C and the absolute minimum temperature is about 11°C. In general, May is the hottest month and January is the coldest.

**Relative Humidity:** The humidity recorded during southwest monsoon is maximum, and the minimum is during March to June. The percentage of relative humidity in the project area goes as high as 90% during monsoon period on some particular day in almost every year. But average humidity goes up to 84% and lowers down to minimum of 26% humidity. The above data indicates that high monthly relative humidity occurs between June to October. The average values at 8.30hrs and 17.30hrs are 71.7% and 53.6% respectively.

**Rain fall:** The average annual rainfall for the above period is 2136.5 mm and it was seen that more than 70% of the annual rain fall is received by the south-west monsoon between June to July to September.

**Vegetation:** The area is thinly vegetated. Sal, Mahul, Asan etc. dominate among the species. The other varieties include Dhaura, Katau and few Fruit bearing trees like Mango, Jackfruit, Kendu etc. Atundi dominate among the shrubs.

## 2.IV Drainage & Topography:

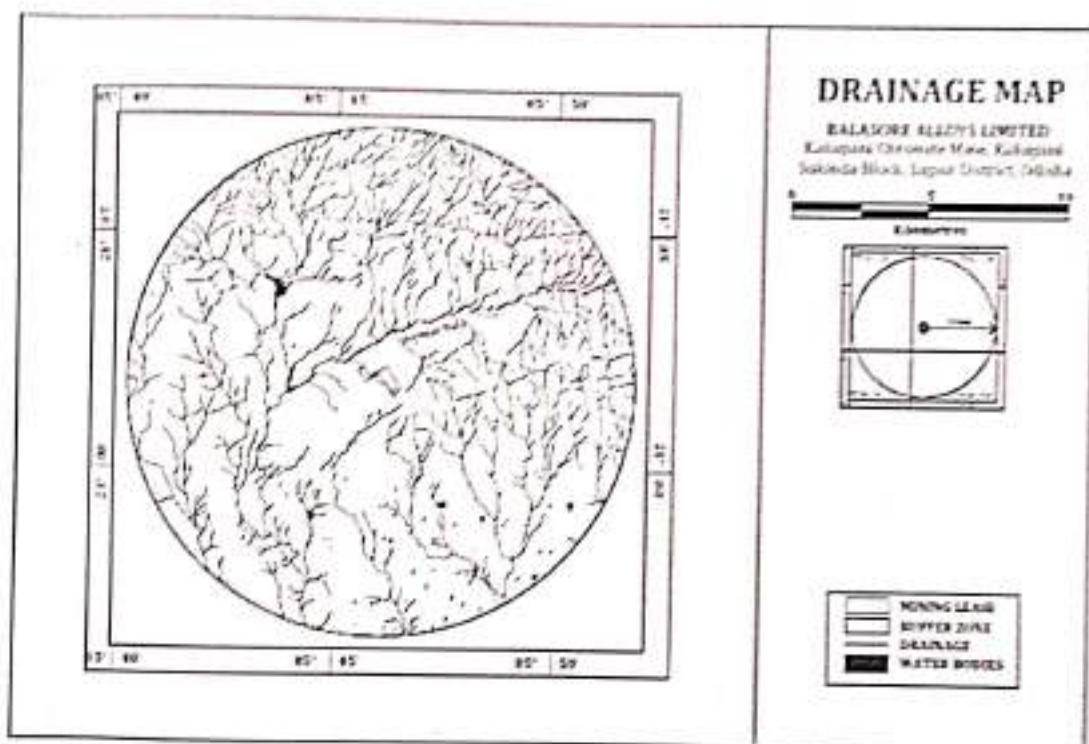
### Drainage:

The district is mainly drained by river Brahmani, Birupa, Kharsuan and Baitarani along with their tributaries. These rivers are having south-easterly flow direction. Due to falling of topography and drainage channel, the runoff water during heavy down pour of rainfall, often splashes out and inundates the surrounding flood plains.

There are no streams, perennial Nalas or seasonal nalas observed within the mine lease area. The land within the mine lease area is mostly covered with lateritic and wasteland with no settlements. The nearest habitation is the mine colony of TISCO on the west and Chirigunia camp of OMC on the north. Both are approximately 1.0 km away from the lease boundary. The major drainage system of the region is located NNW of lease area named as Damsalnalah which originates from Eastern part of Tungaiyuri hill range, flows towards West in Sukinda Valley and then turns towards South and finally joins with Brahmani river. There is another seasonal major nalah named as Kurchamulanalah flows towards South from Daitari hill range and ultimately joins with Damsalnalah through Kharkari Reservoir. Besides few more seasonal nalahs named as Nadiabaroanalah, Langalakantanalah and Petapetinalah flows from North to South and ultimately joins with Damsalnalah.

Due to very gentle slope, there is no perennial or seasonal nalah in the lease hold area. Damsalnalah is the nearest water body at 1.0 km in NNW direction from the mining lease area.

The drainage map is shown in Figure-2.3



### Topography

The area exhibits a peneplained topography marked by linearly disposed mounds of low relief. The line of subsequent and obsequent slopes are not very well defined. Waxing faces are more prominent than the winning faces. The altitude within the lease area ranges between 120 m to 182 m above mean sea level. The area represents an undulating topography, sloping towards the west.

### 2.V . Geology

#### Regional Geology

The sukinda ultramafic complex forms a part of the unfossiliferous metamorphosed pre-cambrians of peninsular India. It is associated with the sedimentary sequences in parts of Keonjhar, Cuttack and Dhenkanal districts of Odisha studied by G.H.S.V. Prasad Rao et al. six sequences separated by unconformities have been deciphered in this region. The Sukindaultramafites come in the second sequence of the succession and occur as intrusive.



## 2. VI. Vegetation Structure and Composition

The region falls under the tropical mixed dry deciduous type of vegetation mainly undisturbed, thick covered with leaf litters. However, in the nearby areas it has good density and diversity due to the compensatory afforestation programmes. Natural forest mainly observed in plateau tops and hilly areas where human access is little remote. The keystone species in the region are *Shorea robusta* (Sal), *Madhuca longifolia* (Mahua), *Diospyros melanoxylon* (Tendu), *Terminalia* sp (e.g. like Arjuna), which is represent *Shorea robusta* forests.

The phyto-ecological structure of vegetation shows three different strata i.e. top, middle and ground. Top storey covered by *Albizia* sp., *Anaeglossus latifolia*, *Artocarpus heterophyllus*, *Bauhinia* sp, *Bombax cieba*, *Butea frondosa*, *Shorea robusta*, *Madhuca indica*, *Mangifera indica*, *Ficus religiosa*, *Syzygium cumini*, *Terminalia tomentosa*, *Terminalia bellerica*, etc. Middle storey in this region comprises *Adhatoda vasica*, *Cassia fistula*, *Capparis spinosa*, *Calotropis* sp., *Dalbergia* sp., *Embllica officinalis*, *Hibiscus* sp, *Lantana camara*, *Wrightia tinctoria*, *Zizyphus* sp., etc. The dominant herbs in ground vegetation are *Ageratum conyzoides*, *Achyranthes aspera*, *Argemone Mexicana*, *Indigofera tinctoria*, *Tridax procumbens*, *Alternanthera sessilis*, *Sida rhombifolia* etc. Grasses like species of *Dicanthium*, *Cyanodon*, *Imperata* and *Cyperus* etc found in the open and grass lands.

## 2. VII. Surface Runoff generation and Its Management:

Surface runoff from the mines is main source for causing siltation in the nearby ponds. It is estimated that total surface run off generation from mine is 92,241.33 M<sup>3</sup>/year and around 41,050.79m<sup>3</sup>/year will be naturally recharged from the mine lease area and rest quantity is being managed in side mines. Details of surface generation and natural recharge are given in table-6 & 7 respectively.

### 2.VII.a Details of Runoff Management Available

To implement effective runoff, erosion and sediment control measures following steps has been taken.

- Retain existing vegetation whenever feasible
- Divert runoff away from exposed soils
- Minimize slope length & steepness
- Keeping runoff velocities low by construction of settling pits
- Prepare drainage ways & outlets to handle concentrated or increased runoff
- Trap sediment before it enters aquatic habitat by construction of settling pits
- Inspect & maintain control measures
- Installation of appropriate drainage crossing structures

For surface runoff management of the mine, Mines has constructed 4 no. Of sumps inside the mines strategic areas and arrangements has been made to channelize the runoff from Dump-1, Dump-3 and COB tailing dump to these sumps. Booster Pumps has been fixed to channelize the runoff to ETP through for treatment before discharging outside. The runoff generated at Dump -2 has been flow into mine pit and from same it is pumped to ETP. Grass seeding is also done at several places to manage the surface runoff.

## 3. Factor for Siltation:



**Siltation** is the pollution of water by particulate terrestrial clastic material, with a particle size dominated by silt or clay. It refers both to the increased concentration of suspended sediments, and to the increased accumulation (temporary or permanent) of fine sediments on bottoms where they are undesirable. Siltation is most often caused by soil erosion or sediment spill. Sometimes siltation is called *sediment pollution*, although that is an undesirable term since it is ambiguous, and can also be used to refer to a chemical contamination of sediments accumulated on the bottom, or pollutants bound to sediment particles. Siltation is the preferred term for being unambiguous, even if not entirely stringent since it also includes other particle sizes than silt.

### 3.1 Cause of Siltation:

The mining activities and OB dumps are the major factors of impacting any drainage system in the mining areas. The forms of erosion observed in this region include mainly rill and gully erosion. The storm water runoffs from the hills, mine faces and OB dump slope areas carry substantial amounts of solids in the lower order streamlets and choke the higher order streams. These lower order streamlets and gullies have high erosive capacity due to gradient and pick up rock fragments and transport them due to high velocity of the stream and deposit in the connecting high order streams due to velocity drop. Streams can also erode by undercutting their banks resulting in mass-wasting processes like slumps or slides. When the undercut material falls into the stream, the fragments are transported and deposited in the stream bed. The other mode of sediment transportation is very nominal.

Siltation is an inherent problem with ponds, lakes and almost all types of water reservoirs world over. Siltation occurs due to deposition or settling of soil eroded from the shore line, decaying fallen leaves, grass and other vegetative materials and decomposed organic materials settled on pond bottoms. Soil erosion may be attributed as the primary factor responsible for pond siltation in this area. Higher gradient and excess rainfall are the most common reasons of soil erosion. Erosion of Soil occurs from the waste dumps, excavated areas and naturally denuded ground surface. However, looking into the current problem of siltation of the village ponds, the major factor is the erosion of the pond embankments along with air borne dust and decomposition of in-situ aquatic weeds like water hyacinth and other air borne vegetative materials falling into the pond. Air borne sand and dust along with other vegetative materials falling on the pond also add to the process of siltation. As the age of the ponds increase, new layers of silt accumulate on the older ones and the silt layers become thicker. Finally the depth of the pond decreases and it loses its water storage capacity. At this time it needs to be desilted to recover. The best practice against siltation is to desilt the pond bottom at regular intervals as well as taking adequate preventive measures.

### 3.II Siltation Due to Mining

The environmental impact of mining includes erosion, formation of sinkholes, loss of biodiversity, and contamination of soil, groundwater and surface water by chemicals from mining processes. In some cases, additional forest logging is done in the vicinity of mines to increase the gold volume for the sick and room for the storage of the created debris and soil. Besides creating environmental damage, the contamination resulting from leakage of chemicals also affects the health of the local population. Erosion of exposed hillsides, mine dumps, tailings dams and resultant siltation of drainages, creeks and rivers can significantly impact the surrounding areas. In areas of wilderness mining may cause destruction and disturbance of ecosystems and habitats, and in areas of farming it may disturb or destroy productive grazing and croplands.

### 3.III Mitigation Measures

In rural areas the first line of defense is to maintain land cover and prevent soil erosion in the first place. The second line of defense is to trap the material before it reaches the stream network (known as sediment control). If the material is deposited on land, efficient sedimentation basins can be constructed. If it is dumped in relatively deep water there will be a significant spill during dumping, but not thereafter, and the spill that does arise will have minimal impact if there are only fine-sediment bottoms nearby) One of the most difficult conflicts of interest to resolve, as regards siltation mitigation, is perhaps beach nourishment. It is desirable to minimize the siltation of irrigation channels by hydrologic design, the objective being not to create zones with falling



sediment transport capacity, as that is conducive to sedimentation. The best practice against siltation is to desilt the pond bottom at regular intervals as well as taking adequate preventive measures.

#### 4. Selection of Ponds

Due to less quantity of siltation in the ponds due to mining activity, Temporary ponds are being selected because these are a particularly neglected type of ponds which are highly distinctive in that they normally dry out every year.

Total 19 nos numbers of village ponds & watershed structures are identified within 5 km vicinity of the lease area. Details of same given in table: 02

Details of Water Bodies within 5 Kilometer Radius of Kaliapani Chromite Mines (19 Nos.)

Table: 02

Sl No	Name of the village	Status of the Pond Ownership	Size. In Meter	Area in sq.M	Perimeter in Meter	Location	
						Latitude	Longitude
1	Ostia	Govt.	100x60	6000	320	21°03'15.8"N	85°46'18.7"E
2	Saruabil	Govt.	90x54	4860	288	21°03'20.087"N	85°49'11.989"E
3	Gurjang	Govt.	75x57	4275	264	21°03'43.996"N	85°47'17.286"E
4	Sukrangi	Govt.	45x46	2070	182	21°02'41.679"N	85°48'11.431"E
5	Kalarangiata	Govt.	68x42	2856	220	21°01'10.490"N	85°45'55.69"E
6	Rankia	Govt.	135x55	7425	360	21°00'59.054"N	85°50'57.387"E
7	Pimpudia	Govt.	127x120	15240	494	21°00'40.213"N	85°50'25.316"E
8	Kakudia	Govt.	75x64	4800	278	21°00'35.984"N	85°46'45.666"E
9	Giringmali	Govt.	40x35	1400	150	21°00'01.412"N	85°48'23.423"E
10	Kaduabandi	Govt.	70x50	3500	240	20°59'34.373"N	85°49'09.939"E
11	Kusumundia.	Govt.	90x55	4950	290	20°59'36.576"N	85°46'18.204"E
12	Kakudia (Purnapanasahi)	Govt.	40x30	1200	140	21°00'51.3"N	85°47'39.8"E
13	Jharanasahi	Govt.	30x25	750	110	21°01'14.5"N	85°48'56.7"E
14	Karadagadia (I)	Govt.	50x40	2000	180	21°00'53.0"N	85°49'08.4"E
15	Karadagadia (II)	Govt.	30x15	450	90	21°01'21.2"N	85°49'28.5"E
16	Giringamali	Govt.	30x15	450	90	21°00'48.6"N	85°48'59.3"E
17	Damnagar	Govt.	35x30	1050	130		
18	Bamnagar	Govt.	45x30	1350	167	21°01'20.5"	85°49'47.1'
19	Kusumundia-2	Govt.	85x40	3400	420	21°59'34.6"	85°46'32.1"

(NB: out of 17 ponds / water tanks sl no 1-11 has been included in the similar scheme of OMC Ltd against South Kaliapani Chromite Mine. Sl no 12- 17 has been taken up by M/s IMFA for similar type of scheme against Sukinda Mines (Chromite) Mine and Mahagiri Chromite Mines.) As per suggestion of Forest Department Sl No18 & 19 to be taken up by M/s Balasore Alloys Ltd

**Details of Water Bodies with dimensions within 5 Kilometer vicinity of Kaliapani Chromite Mines proposed for de-siltation/renovation by BAL (02 Nos.)**

Table: 03

Sl No	Name Village	Distance from Mines (in km)	Direction	Coordinates	Dimension of Ponds (L X B X D) in M
1	Bamanagar IAEP Pond	4.5	Southern	N- 21°01'20.5" E -85°49'47.1"	45 X 30 X3.5
2	Kusumundia Pond	2.5	South- West	N - 20°59'34.6" E -85°46'32.1"	85 X 40 X 3.0

For the purpose selecting de-silting of ponds, as per the condition, a GPS survey of the above ponds within the buffer area 5 Kms radius from the boundary of the 64.463 Ha Mining Lease was made along with mines surveyor and representative from forest department. The location of the village ponds along with sub watershed boundary of the river system is shown in the enclosed map (Plate-1) and few photographs of the water bodies given below.

The map showing the ponds allotted for desilting is attached as Plate-1



Pond-1  
(Bamnagar)



Pond-2  
(Kusumundia)



There is no perennial or seasonal nala in the lease hold area. Damsal nala is the nearest water body at 1.0 km in NNW direction from the mining lease area. Garland drains and settling ponds have been constructed around waste dump and quarries for draining rain water. The major drainage system of the region is located NNW of lease area named as Damsal nala which originates from Eastern part of Tungaburi hill range, flows towards West in Sukinda Valley and then turns towards South and finally joins with Brahmani river. The bottom and top RL of the hillock in the central portion of the lease area are 135 m and 182 m respectively. There are no streams, perennial Nalas or seasonal nalas observed within the lease area. The land within the lease area is mostly covered with lateritic and wasteland. The area represents an undulating topography, sloping towards the west where as the Damsalnala is situated in the NW direction. Due to very gentle slope, water flow towards same with low velocity. There is no water body/pond present nearby Mine lease area. It is observed that the no ponds are affected due to mining activity. Hence desilting of ponds shall be carried out on subsequent phase after rainy season only.

#### **FACTORS RESPONSIBLE FOR SILTATION**

Siltation is an inherent problem with ponds, lakes and almost all types of water reservoirs world over. Siltation occurs due to deposition or settling of soil eroded from the shore line decaying fallen leaves, grass and other vegetative materials and decomposed organic materials settled on pond bottoms. Soil erosion may also attribute as the primary factor responsible for pond siltation. Higher gradient and excess rainfall are the most common reasons of soil erosion. Erosion of Soil occurs from the waste dumps, excavated areas and naturally denuded ground surface. However, looking into the current problem of siltation of the village ponds, the major factors are the surface runoff containing silt particles entering into the pond. As the age of the ponds increases, new layers of silt accumulate on the older ones and the silt layers become thicker. Finally, the depth of the pond decreases and it loses its water storage capacity. The de-siltation improves its life, storage capacity, quality of water etc. of the water body. The best practice against siltation is to de-silting pond bottom at regular intervals as well as taking adequate preventive measures.

#### **4.II Need of Desilting:**

Silt removal is necessary when the breakdown of dead plant leaves and other organic material along with runoff from surrounding fields causes a build up on the bed of a lake, pond or river. This can have serious consequences on the future of that water and the life there is within it. The build up of silt will lead to a reduction in water depth of the watercourse, increased risk of flooding, and the release of nasty smelling odours from the process of biological decomposition and potentially the loss of the watercourse. Al though the silt quantity is less, it need to be desilted to avoid more accumulation of same.

#### **4.III Desilting Methodology:**

Desilting shall be done with principle viz. In the process of desilting, reasonable measures to be taken to prevent damage to bed and banks of ponds, Vegetation shall not be removed from the pond , If stock access is likely to damage the original waterhole, it shall be negated by the construction and maintenance of a fence around the pond.

It is proposed to carry out the de-siltation of the identified ponds as above annually, preferably in the dry months of the summer when the ponds shall dry up exposing the silts. The dried silt shall be removed manually or mechanically based on the ground condition. In case of mechanical removal of silt, small excavators such as back-hoe / small hydraulic shovels or pay loader, depending upon the quantity of silt accumulation shall be used.

#### **4.3/ TOPOGRAPHY:**

The ponds are mostly on plain terrain. They are situated close to habitation

#### **4.4. SOIL TYPE**



The soil is hard and lateritic. The pond silt is basically mixed of clay, silt and sand. Since the silts are soft can be removed easily. Generally the thickness of layers of siltation varies from 30cm to 200 cm which is on an average about 115cm (or say 1 meter silt) and which is proposed to be removed.

## 5. METHODOLOGY FOR DE-SILTATION

Keeping in view the site conditions it is proposed to take up de-siltation on a cycle of five-year basis (i.e. each pond shall be de-silted twice within the planned period over 10 year) particularly during summer months when the pond / water bodies are dried up with exposed silts. Removal of silts is to be done either manually or mechanically basing on ground condition as well as quantity of accumulated silts. Silt accumulation occurs in the bottom/basal area of the pond which is roughly estimated to be 30% less of the aerial area. The estimated quantum of silt that is required to be removed is given in the table below.

During excavation, the excavated silt are to be put on the embankment of the pond with top height at least of 1 meter and base width 2.5meter basing on availability of land on periphery. The soil on embankment to be compacted and two inlet and two outlet pipes are to be fixed in the embankment (6" diameter PVC pipe or Cement Pipe).

## 6. Estimation of Silt:

As per the geographical position of ponds allotted for desilting, it is envisaged that there will be no impact of mining activity on the area to which pond situated. The drainage patten of area shows that maximum flow will be towards western direction of mines, so the pond situated at Kusumundia may be affected little bit. Considering the topography and rainfall quantity of the area, quantity of silt is estimated as given in table: 04. After taking measures for conservation soil at the strategic places, the siltation will decrease gradually. Silt accumulation occurs in the basal area of pond, which is roughly estimated 30% less of actual Ariel area.

Table: 04: Estimate for Silt Deposition

Pond	Present Dimension of Pond (in sqm)	Siltation Area 30% less than Ariel area (sqm)	Year wise Estimation of Silt to be deposited (in Cum)				
			1 <sup>st</sup> year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year
Pond-1 (Bamnagar)	45 X 30 =1350	945	945 X 0.2=189	945 X 0.1=94.5	945 X 0.1=94.5	945 X 0.1=94.5	945 X 0.1=94.5
Pond-2 (Kusumundia)	85 X 40 =3400	2380	2380 X 0.2=476	2380 X 0.1=238	2380 X 0.1=238	2380 X 0.1=238	2380 X 0.1=238
Total Volume of silt (in Cum)			665	332.5	332.5	332.5	332.5

The accumulation of silt is limited to a maximum of 665 m<sup>3</sup> in 1st year and minimum 332.5 m<sup>3</sup> in the 5th year in both ponds. It is estimated that maximum quantity of silt will be deposited in the pond-2( Kusumundia ) due to its size and geographical position which varies from 238 m<sup>3</sup> to 476 m<sup>3</sup>. The maximum silt to be deposited in pond-1( Bamnagar ) varies from minimum 94.5 m<sup>3</sup> in 5<sup>th</sup> year to maximum 189 m<sup>3</sup> in the 1st year.

## 7. COST ESTIMATE:



## 7. COST ESTIMATE:

As per the scheduled rate for earth work "Earth work in excavation by mechanical means (hydraulic excavation means over areas exceeding 30cm depth 1.5m in width as well as 10 sqm. On plan including disposal of excavated earth lead up to 50 m and lift up to 1.5m disposal earth to be leveled, dressed etc.to complete @Rs 121.42/ cum. Basing on volume of earth work as indicated above Table No 3, the cost is estimated/calculated. (In addition, cost of inlet / outlet pipes, at each pond an additional cost of Rs 6000/- per tank) to be added total 12000/-.

Year wise Estimation of Silt to be deposited (In Cum)						Total
	1 <sup>st</sup> year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	
Volume	665	332.5	332.5	332.5	332.5	1995
Budget In RS	82074.30	41037.15	41037.15	41037.15	41037.15	Rs 2,46,222.90 or say Rs 246223.00

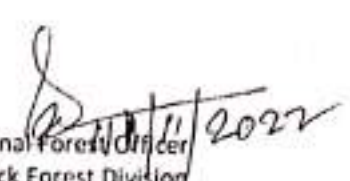
Thus, the total amount about to be Rs 2,58,223/- (Rupees Two lakh Fifty Eight Thousand Two Hundred Twenty three only.

## 8. EXECUTING AGENCY

The work as per the scheme will be executed by M/s Balasore Alloys Ltd

## 9. INSPECTION AND MONITORING.

The execution & its monitoring shall be carried out by M/s Balasore Alloys Ltd. The Execution and achievements may be reviewed by the Divisional Forest Officer, Cuttack Division from time to time. In case of some dispute, if the earmarked pond could not be de-silted in the planned year, it may be executed in the subsequent year.

  
Divisional Forest Officer  
Cuttack Forest Division

Approved for Rs. 2,58,223/-

  
Regional Chief Conservator  
of Forests, Angul Circle.

# BALASORE ALLOYS LIMITED

CIN-L27101OR1984PLC001354



Proposal for diversion 64.119 ha. of Sabik KISSAM forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

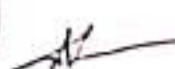
Annexure ~~2~~ XI

## Undertaking

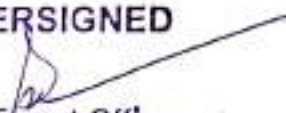
We do hereby undertake that, M/s Balasore Alloys Ltd shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines & Hon'ble Court Order (s) pertaining to this Kaliapani Chromite Mines of M/s Balasore Alloys Ltd, if any, for the time being in force, as applicable to the same.



Balasore Alloys Ltd

  
Nagendra Kumar Akula  
Managing Director

COUNTERSIGNED

  
Divisional Forest Officer  
Cuttack Forest Division

164

164



GHATAKULA, NUAPADA, MADHUPATNA, CUTTACK-753010.

E-mail Id-dfo.cuttackforestdivision@yahoo.com, Fax-0671-2347611

No. 443 /

Dated, Cuttack 21<sup>th</sup> January, 2015..

To

The Vice President (Mine),  
Kaliapani Chromite Mines,  
M/s-Balasore Alloys Ltd., At/P.O.- Kaliapani, Dist-Jajpur.

Sub: - Site specific wildlife conservation plan in respect of Kaliapani Chromite mines of M/s Balasore Alloys Ltd. in Jajpur Dist. Odisha.

X-Sub:- Revision/modification of this office memo no.233 dt.12.01.2015.

Ref: - (i) Memo No.8478 dt.07.11.2014 of PCCF, (Wildlife) & Chief Wildlife Warden, Odisha to your address.  
(ii) This office letter no.233 dt.12.01.2015.  
(iii) Your letter no.1968 dt.20.01.2015.

Sir,

In inviting a reference to the subject cited above it is to inform you that the letter as issued vide this office no.233 dt.12.01.2015 is hereby revised /modified which should be read as follows and act accordingly.

The Site specific wildlife conservation plan in respect of Kaliapani Chromite mines of M/s Balasore Alloys Ltd. has been approved by the PCCF (Wildlife) & Chief Wildlife Warden, Odisha with the financial forecast of Rs.254.18 Lakh (Two Crore Fifty Fore Lakh Eighteen Thousand) only for the following activities.

- (i) For activities to be implemented in project area by Rs.64.82 Lakh the User Agency in Cuttack Forest Division.
- (ii) For activities to be Implemented by DFO, Cuttack Division in project impact area Rs 189.36 Lakh

**Grand Total- Rs 254.18 Lakh**

Hence you are requested to deposit an amount of **Rs 189.36 Lakh (Rupees One Crore Eighty Nine Lakh Thirty Six Thousand)** only through RTGS in either of the following Banks in the CAMPA fund.

1. Corporation Bank, Lodhi Complex Branch, New Delhi-110003  
(RTGS/IFSC No. CORP0000371, SB Account No. SB01025222).
2. Union Bank of India, Sundar Nagar, New Delhi-110003  
(RTGS/IFSC No. UBIN0534498, SB Account No. 344902010105428)

Further, you are requested to note the following conditions for future compliance.

- i. This plan may be revisited after five years and the user agency will give undertaking to contribute towards the revised cost of the conservation plan till the project period, if any.
- ii. The project proponent has to prepare and submit the Conservation Plan for the next ten years of their lease period (balance period of which forest land remains diverted) at least one year before the expiry of the present Conservation Plan and deposit the outlay amount upon its approval. In case of delay, the project operation will be automatically stopped.

Contd...2

Further, as regards the guidance sought by you for para (i) it is to inform you that an undertaking require to be furnished as per the memo no.8478 dt.07.11.2014 of the PCCF, (Wildlife) & Chief Wildlife Warden, Odisha communicated to your address.

Yours faithfully,

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 444 /dt. 21-01-2015.

Copy forwarded to Addl. Pr. Chief Conservator of Forests, Forest Division and Nodal Officer, FC Act, O/o-the PCCF, Odisha for information and necessary action in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 445 /dt. 21-01-2015.

Copy forwarded to Regional Chief Conservator of Forests, Angul Circle, Angul for favour of kind in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 446 /dt. 21-01-2015.

Copy forwarded to PCCF (Wildlife) & Chief Wildlife Warden for information and necessary action in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division



OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT/PO:- GHATAKULA, DIST:- CUTTACK (ODISHA)

Tel:- 0671-2340443 FAX:- 0671-2347611 Email:- dfo.cuttackforest division@yahoo.com

Memo No 12408 /5F/2016Dated, Cuttack the 21<sup>st</sup> th December, 2016

To

The Vice President, Corporate Affairs  
M/s Balasore Alloys Ltd., Bhubaneswar.

Sub :-

Proposal for diversion of 64.119 ha. of Sabik kissam forest land as on 25.10.1980 within total mining lease area of 64.463 ha. for Chromite mining in their Kaliapani Chromite mines of M/s Balasore Alloys Ltd. in Jajpur District, Odisha under Cuttack Forest Division.

Ref: -

Memo No.23525 dt.14.12.2016 of the Addl. PCCF, Forest Diversion & Nodal Officer, FC Act, O/o the PCCF, Odisha.  
Letter No.8-14/2016-FC dt.18.11.2016 of Govt. of India, Ministry of Environment & Forests and Climate Change, New Delhi.

Sir,

Please refer to the letter cited above of the Govt. of India, MoEF & CC wherein Stage-I (in principle) approval order has been accorded by Govt. of India, MoEF & CC for diversion of balance 64.119 ha. of Sabik kissam forest land for chromite mining in Kaliapani Chromite Mines by M/s Balasore Alloys Ltd. in Jajpur district subject to fulfillment of certain conditions. For compliance of condition No.2 (vi) imposed in the aforesaid Stage-I order, an amount of Rs.2, 39, 79,700/- the approved financial outlay for Compensatory Afforestation scheme over 63.949 ha. of non-forest land in village Rahadpur under Dharماسala Tahasil in Dalijora Range of Cuttack Forest Division is to be deposited by the user agency.


Hence, you are requested to deposit the above funds with the Adhoc body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through **e-payment module** and submit the receipt of the deposition to this office for ready reference.

Yours faithfully,

  
Divisional Forest officer  
Cuttack Forest Division


Memo No \_\_\_\_\_/Date

Copy submitted to the Addl. Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action with reference to his Memo No.23525 dt.14.12.2016.

  
Divisional Forest Officer  
Cuttack Forest Division

Memo No \_\_\_\_\_/Date

Copy submitted to the Regional Chief Conservator of Forests, Angul Circle, Angul for favour of kind information and necessary action with reference to Memo No.23525 dt.14.12.2016 of Addl. PCCF, Forest Diversion & Nodal Officer FC Act, O/o the PCCF, Odisha.

  
Divisional Forest Officer  
Cuttack Forest Division

To

The Vice President (Mine),  
Kaliapani Chromite Mines,  
M/s-Balasore Alloys Ltd., At/P.O.- Kaliapani, Dist-Jajpur.

Sub: - Site specific wildlife conservation plan in respect of Kaliapani Chromite mines of M/s Balasore Alloys Ltd. in Jajpur Dist. Odisha.

X-Sub:- Revision/modification of this office memo no.233 dt.12.01.2015.

Ref: - (i) Memo No.8478 dt.07.11.2014 of PCCF, (Wildlife) & Chief Wildlife Warden, Odisha to your address.  
(ii) This office letter no.233 dt.12.01.2015.  
(iii) Your letter no.1968 dt.20.01.2015.

Sir,

In inviting a reference to the subject cited above it is to inform you that the letter as issued vide this office no.233 dt.12.01.2015 is hereby revised /modified which should be read as follows and act accordingly.

The Site specific wildlife conservation plan in respect of Kaliapani Chromite mines of M/s Balasore Alloys Ltd. has been approved by the PCCF (Wildlife) & Chief Wildlife Warden, Odisha with the financial forecast of Rs.254.18 Lakh (Two Crore Fifty Fore Lakh Eighteen Thousand) only for the following activities.

- (i) For activities to be implemented in project area by Rs.64.82 Lakh the User Agency in Cuttack Forest Division.
- (ii) For activities to be Implemented by DFO, Cuttack Division in project impact area Rs 189.36 Lakh

**Grand Total- Rs 254.18 Lakh**

Hence you are requested to deposit an amount of **Rs 189.36 Lakh (Rupees One Crore Eighty Nine Lakh Thirty Six Thousand)** only through RTGS in either of the following Banks in the CAMPA fund.

1. Corporation Bank, Lodhi Complex Branch, New Delhi-110003  
(RTGS/IFSC No. CORP0000371, SB Account No. SB01025222).
2. Union Bank of India, Sundar Nagar, New Delhi-110003  
(RTGS/IFSC No. UBIN0534498, SB Account No. 344902010105428)

Further, you are requested to note the following conditions for future compliance.

- i. This plan may be revisited after five years and the user agency will give undertaking to contribute towards the revised cost of the conservation plan till the project period, if any.
- ii. The project proponent has to prepare and submit the Conservation Plan for the next ten years of their lease period (balance period of which forest land remains diverted) at least one year before the expiry of the present Conservation Plan and deposit the outlay amount upon its approval. In case of delay, the project operation will be automatically stopped.



Further, as regards the guidance sought by you for para (i) it is to inform you that an undertaking require to be furnished as per the memo no.8478 dt.07.11.2014 of the PCCF, (Wildlife) & Chief Wildlife Warden, Odisha communicated to your address.

Yours faithfully,

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 444 /dt. 21-01-2015.

Copy forwarded to Addl. Pr. Chief Conservator of Forests, Forest Division and Nodal Officer, FC Act, O/o-the PCCF, Odisha for information and necessary action in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 445 /dt. 21-01-2015.

Copy forwarded to Regional Chief Conservator of Forests, Angul Circle, Angul for favour of kind in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

Memo No. 446 /dt. 21-01-2015.

Copy forwarded to PCCF (Wildlife) & Chief Wildlife Warden for information and necessary action in continuation to this office memo no.234 dt.12.01.2015.

  
21/1/2015  
Divisional Forest Officer,  
Cuttack Forest Division

AGENCY COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 30-12-2016	
Agency Name.	MS BALASORE ALLOYS LTD
Application No.	MIN119342015626
State Code.	OR
Address.	Balgopalpur,BalasoreBaleshwar
Amount(in Rs)	42915700/-
<p><b>Amount in Words</b> :Four Crore Twenty-Nine Lakh Fifteen Thousand Seven Hundred Rupees Only</p>	
<p><b>NEFT/RTGS to be made as per following details;</b></p>	
Beneficiary Name:	ORRISA CAMPA
Pay to Account No.	CAMPAORMIN119342015626
Bank Name & Address:	Union Bank of India Branch Address : 52, Sunder Nagar New Delhi, Pin 110003
IFSC Code:	UBIN0534498
<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> </ul>	

BANK COPY	
NEFT / RTGS CHALLAN for Ad-HOC CAMPA	
Date : 30-12-2016	
Agency Name.	MS BALASORE ALLOYS LTD
Application No.	MIN119342015626
State Code.	OR
Address:	Balgopalpur,Balasore Baleshwar
Amount(in Rs)	42915700/-
<p><b>Amount in Words</b> :Four Crore Twenty-Nine Lakh Fifteen Thousand Seven Hundred Rupees Only</p>	
<p><b>NEFT/RTGS to be made as per following details;</b></p>	
Beneficiary Name:	ORRISA CAMPA
Pay to Account No.	CAMPAORMIN119342015626
Bank Name & Address:	Union Bank of India Branch Address : 52, Sunder Nagar New Delhi, Pin 110003
IFSC Code:	UBIN0534498
<ul style="list-style-type: none"> <li>This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only</li> </ul>	

After making successful payment, User Agencies may send a line of confirmation through  
Email: [ubicampa@unionbankofindia.com](mailto:ubicampa@unionbankofindia.com)





# Online Submission & Monitoring of Environmental, Forest and Wildlife Clearances -A Single Window Clearance System

14 Mar 2017 12:17:52 [Logout](#)

User Name: [Swarup]  
State: [Orissa]  
Role : [Applicant]

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## Online payment history made by User Agency under CAMPA

[Help](#)

Sno.	Proposal Detail	Application_No	Date of IN-PRINCIPLE	Amount to be Paid/Amount Paid (in Rs.)	Payment Status	Payment Detail	Demand Letter
1	<a href="#">FP/OR/MIN/11934/2015</a> Kaliapani Chromite Mines, Village:Kaliapani,Tehsil: Sukinda, Dist. Jajpur , Odisha.	MIN119342015626	18 Nov 2016	<b>CA:</b> 23979700/- <b>PCA:</b> 0/- , <b>Safety Zone:</b> 0/- , <b>NPV:</b> 0/- , <b>Other Charges1</b> 0/- <b>Other Charges2</b> 0/- <b>Other Charges3</b> 0/- <b>Total :</b> 42915700/-	Paid	<b>Fund Demand Verified by Nodal Officer On</b> : 30 Dec 2016 <b>Bank Name</b> : Union Bank Of India <b>Mode of Payment</b> : NEFT/RTGS (Challan) <b>Challan Generated On</b> : 30 Dec 2016 <b>Transaction Date</b> : 23 Feb 2017	<a href="#">Demand Letter</a> <a href="#">Generated Challan</a>

### Disclaimer

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For any clarification, kindly contact at(011-24695407 or may send E-Mail monitoring-fc(at)nic(dot)in.)

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For any Technical support, Please Contact  
Environment,Forest and Climate Change Informatics Division (EFCCID),NIC,New Delhi,  
monitoring-fc(at)nic(dot)in

# BALASORE ALLOYS LIMITED



CIN-L27101OR1984PLC001354

Ref. No: BAL/ACCTS/

Date : 23 FEB 2017

The Chief Manager  
State Bank of India  
SME Branch  
Balasore Industrial Estate Branch  
Balasore

Dear Sir,

## Sub: Payment Through RTGS/NEFT

Kindly arrange to transfer a sum of Rs. 4,29,15,700/- (Rupees Four Crore Twenty Nine Lac Fifteen Thousand Seven Hundred) only through RTGS/NEFT as per the details given below by debiting our CC a/c No. 30352334031 with you towards CA Scheme Charge and Site Specific Wildlife Management Plan.

Amount : Rs. 4,29,15,700/-  
Account No : CAMPAORMIN119342015626  
Name of Party : ORRISA CAMPA  
Bank Name : Union Bank Of India  
52, Sunder Nagar  
New Delhi - 110003  
IFSC/RTGS Code No : UBIN0534498

Necessary bank charges also may please be debited to our above account under intimation to us.

Your kind co-operation in this regard shall be highly appreciated

Thanking you.

Yours faithfully  
For BALASORE ALLOYS LTD.

AUTHORISED SIGNATORIES

Mob: 07381095938  
UTR NO. SBINR.5201222300051075

4,29,15,700 = 00

Cam. 57 = 50

4,29,15,757 = 50

R 3202022300051075

encl - 724059 (cc)





State Bank of India,  
SME Branch Balasore (7020)  
(Formerly Balasore Industrial Estate Branch)  
Balasore-756001  
Ph.06782-266065, 262572 (F)

Letter No. RMME/SME BLS/2016-17/

Date : 23.02.2017

### TO WHOM-SO-EVER IT MAY CONCERN

Certified that the following Transfer is made in favour of ORISSA CAMPA ,Union Bank Of India ,52,Sunder Nagar ,New Delhi-110003 in A/c No.CAMPAORMINI19342015626,IFSC CODE NO- UBIN0534498 OF Rs.4,29,15,700/- ( UTR No. SBINR 52017022300051075,Dt.23/02/2017)by debiting SBI SME Branch Balasore,Odisha,Cash Credit A/c. No.30352334031 of Balasore Alloys Ltd.

This is for your information.

FOR STATE BANK OF INDIA

  
CHIEF MANAGER/RMME  
मुख्य प्रबंधक/Chief Manager  
समस्त काम में सहायता प्राप्त २०१७-१८  
SME BRANCH BALASORE 7020

# BALASORE ALLOYS LIMITED



CIN-L27101OR1984PLC001354

Proposal for diversion 64.119 ha. of Sabik KISSAM forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha

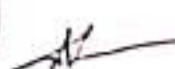
Annexure ~~2~~ XI

## Undertaking

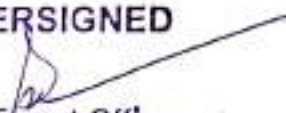
We do hereby undertake that, M/s Balasore Alloys Ltd shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines & Hon'ble Court Order (s) pertaining to this Kaliapani Chromite Mines of M/s Balasore Alloys Ltd, if any, for the time being in force, as applicable to the same.



Balasore Alloys Ltd

  
Nagendra Kumar Akula  
Managing Director

COUNTERSIGNED

  
Divisional Forest Officer  
Cuttack Forest Division

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# BALASORE ALLOYS LIMITED

CH 12710104199419 000137A



Proposal for diversion 64.119 ha. of Sahik Kiyam forest land as on 25.10.1980 within mining lease area of 64.463 ha for Chromite mining in Kaliapani Chromite Mines of M/s Balasore Alloys Ltd in Jajpur district, Odisha


Annexure-30 XX IX

## Undertaking

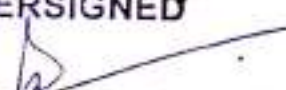
We do hereby undertake to submit the annual self compliance report in respect of the above stated conditions to the State Government concerned Regional Office and to this Ministry by the end of March every year in respect of Kaliapani Chromite Mines of M/s Balasore Alloys Ltd.



For Balasore Alloys Ltd

  
Nagendra Kumar Akula  
Managing Director

COUNTERSIGNED

  
Divisional Forest Officer  
Cuttack Forest Division

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OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION  
GHATAKULA, NUAPADA, CUTTACK-753010

No. 4794 / 5F (Misc)/2015  
Dated, Cuttack the 21<sup>st</sup> May, 2015

To

The Vice President (Mines)  
Ispat Sukinda Chromite Mines of M/s Balasore Alloys Ltd.  
At/Po-Kaliapani, Dist-Jajpur.

- Sub: - Implementation of wildlife management plan in the mining area at project cost.
- X-Sub: - Payment of cost of wildlife management plan in respect of Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. in revised cost norm.
- Ref: - (i) Letter No.10F (Cons) 6/2013 20693/F&E dt.05.10.2013 of Govt. of Odisha, F&E Deptt.  
(ii) Your Letter No.BAL/Mines/816 dt.16.08.2010.

Sir,

With reference to the letter cited above on the captioned subject the balance amount towards the cost of wildlife management plan in revised rate is required to be deposited as calculated below.

- |       |  |                 |
|-------|--|-----------------|
| (i)   | Total ML area 64.463 ha.                                 |                 |
| (ii)  | Cost of wildlife management plan require to be deposited |                 |
|       | Rs.43000 x 64.463 ha. =                                  | Rs.27,71,909.00 |
| (iii) | Amount paid earlier =                                    | Rs.12,89,260.00 |
| (iv)  | Balance amount to be paid =                              | Rs.14,82,649.00 |

Hence, you are requested to make arrangement for payment of the balance cost of wildlife management plan amounting to Rs.14,82,649/- (Rupees Fourteen Lakh Eighty two Thousand Six Hundred Forty nine) only in favour of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through RTGS /NEFT mode in Corporation Bank, Lodhi Complex Branch, New Delhi-110003 (RTGS /IFSC No. CORP0000371, S.B Account No.SB01025222) and submit the receipt in original as a token of evidence to this office for the needful.

Yours faithfully,

  
21/5/2015  
Divisional Forest Officer  
Cuttack Forest Division


Memo No 4795 Date 21-05-2015

Copy forwarded to the Regional Chief Conservator of Forests, Angul for favour of kind information and necessary action.

  
21/5/2015  
Divisional Forest Officer  
Cuttack Forest Division

Memo No 4796 Date 21-05-2015

Copy forwarded to the Addl. Pr.CCF (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action.

  
21/5/2015  
Divisional Forest Officer  
Cuttack Forest Division

Account Name : BALASORE ALLOYS LIMITED  
Address : BALGOPALPUR, BALASORE, BHUBANESWAR, BHUBANESWAR, BHUBANESWAR  
Txn Date : 16-Aug-13  
Value Date : 16-Aug-13  
Description : CHQ TRANSFER-RTGS SBINH13228316738 CAMPA--362515

Ref No./Cheque No. 362515  
Branch Code 41  
Debit 12,89,316.00  
Credit

Counter foil

State Bank of India Bhubaneswar Main Branch

Branch main Date: 16.08.13 Received From Balasore Alloys Ltd By Cheque/Transfer for RTGS  
on Bank Branch                      Favoring C.A.M.P.A A/c  
No.                      Amount Rs. 1289260 Bank's Charges Rs.                      Total Rs.                       
(Rupees Twelve lac eighty nine thousand two hundred sixty)



OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION  
GHATAKULA, NUAPADA, CUTTACK-753010

M. No. 8015 / 5F (Misc)/2015

Dated, Cuttack the 14<sup>th</sup> September, 2015

To

The Addl. Principal Chief Conservator of Forests,  
Forest Division and Nodal Officer, FC Act,  
O/O the PCCF, Odisha, Bhubaneswar.

Sub: - Implementation of wildlife management plan in the mining area at project cost.

X-Sub: - Payment of cost of wildlife management plan in respect of Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. in revised cost norm.

Ref: - This office memo no.4796 dt.21.05.2015.

With reference to the above captioned subject, I am to inform you that as per demand raised vide this office Memo No. 4794 dt. 21.05.2015, the User Agency has deposited an amount of **Rs. 14,82,705/- ( Rupees Fourteen lakh Eighty two thousand Seven hundred Five eight)** only being the balance cost of Regional Wildlife Management Plan Cost through RTGS in favour of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) Account No. **SB01025222** with the **Corporation Bank, New Delhi, IFSC No. CORP0000371** with the **RTGS No. SBINR52015072718031597** dt. **27.07.2015**. The copy of RTGS receipt for the above deposited amount is enclosed herewith for favour of kind information and necessary action.

Encl:- As above.

  
14/9/2015  
Divisional Forest Officer  
Cuttack Forest Division

Memo No 8016 Date 14/9/15

Copy forwarded to the Regional Chief Conservator of Forests, Angul for favour of kind information with reference to this office Memo No. 4795 dt. 21.05.2015.

  
14/9/2015  
Divisional Forest Officer  
Cuttack Forest Division

Memo No 8017 Date 14/9/15

Copy forwarded to the Vice President (Mines) Kaliapani Chromite Mines of M/s Balasore Alloys Ltd. At/Po-Kaliapani, Dist-Jajpur for information with reference to his Letter No.BAL/Mine/2553 dt.28.07.2015.

  
14/9/2015  
Divisional Forest Officer  
Cuttack Forest Division

SP  
11/9/15



To  
dfo.cuttackforestdivision@yahoo.com

Received at 2:45 PM

Forwarded by Sankar Gangopadhyay/fatbat/fatbat@spat on 09/11/2015 02:45 PM

Suman Sengupta/fatbat/fatbat@spat  
Sankar Gangopadhyay/fatbat/fatbat@spat  
09/11/2015 02:43 PM  
Payment Details - CAMPA

Sr.

FYI -

27-Jul-15

CHQ TRANSFER  
513398  
RTGS SBINR52015072718031597  
COMPENSATORY AFFORESTATION

14,82,705.00

Regards

|| Suman Sengupta ||

(V.S. - Finance)

|| Mob: +91 7381095938 || Land: (06782) 275781/2/3/4/5 || Extn.: 202 ||

|| Fax: (06782) 275724 || Email: suman\_sengupta@balasorealloys.com ||

### BALASORE ALLOYS LIMITED

(Balagopalpur, Balasore, Orissa, Pin Code - 756020)

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