



STATE FOREST HEADQUARTERS, ODISHA
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS & HoFF
PLOT NO. GD-2/12, ARANYA BHAWAN, CHANDRASEKHARPUR
BHUBANESWAR-751023

E-mail: nodal.pccfhoff@odisha.gov.in / nodal.pccfodisha@gmail.com

No. /9F (MG) -359/2025
Dated, Bhubaneswar the January 2025



To

The Deputy Inspector General of Forests (FC)
Government of India,
Ministry of Environment, Forests & Climate Change (F.C. Division)
Indira Paryavaran Bhawan, Aliganj, Jor Bagh Road
New Delhi-110003

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 by M/s- Balasore Alloys Ltd. in Jajpur District Odisha-regarding.

Ref: (i) Letter No.8-14/2016-FC dated 26.06.2024 of Government of India, MoEF & CC, (FC Division), New Delhi
(ii) Letter No.8-14/2016-FC dated 01.07.2024 of Government of India, MoEF & CC, (FC Division), New Delhi

In inviting reference to the above mentioned subject, the point wise compliance to the Govt. of India observations dated 26.06.2024 and 01.07.2024 based on the report of the RCCF, Angul Circle and DFO, Cuttack Forest Division are as follows:-

Observation No. (i): The proposal has been granted Stage-I approval on 18.11.2016. The period of 5 years has already been lapsed therefore the revised rate of the NPV issued by the Ministry vide letter dated 06.01.2022 read with 22.03.2022 shall be applicable. In this regard the State Govt. shall ensure that the differential amount of the NPV is paid.

Compliance: In compliance to the observation, the RCCF, Angul Circle has reported that the DFO, Cuttack Forest Division has raised demand vide Memo No. 5770 dated 02.07.2022 to the Authorized Signatory, M/s Balasore Alloys Ltd. to deposit the differential amount of NPV of Rs.2,48,07,641/-. Accordingly, the balance amount of Rs.2,48,07,641/- has been deposited by the user agency vide UTR No.UBIN0996335 dated 18.10.2022. The copy of the demand letter and deposit particulars are enclosed as **Annexure-I series**.

Observation No. (ii): The sites Suitability certificate/ KML file, maps along with detailed CA Scheme in respect of penal compensatory afforestation shall be submitted.

Compliance: In compliance to the observation, the RCCF, Angul Circle has reported that the DFO, Cuttack Forest Division has submitted the Site Suitability Certificate, KML File along with ORSAC vetted DGPS Surveyed map, CA Scheme in respect of Penal Compensatory Afforestation, are enclosed as **Annexure-II Series**.

Observation No. (iii): The State Govt, shall ensure that the KML files of the diverted and CA/ penal CA are uploaded on the e-Green watch portal.

Compliance: In compliance to the observation, the RCCF, Angul Circle has reported that the DFO, Cuttack Forest Division has informed that the KML files of the diverted area and CA/ Penal CA area will be uploaded in the e-Green watch portal after Stage -II approval.


Observation: The State Government is requested to provide copy of notification of degraded revenue non-forest land identified for raising penal CA as RF/PF under IFA, 1927 or local State act.

Compliance: In compliance to the observation, the RCCF, Angul Circle has reported that the Penal CA land identified over 7.4703 ha in village Balgopalpur under Remuna Tahasil of Balasore District has been notified under Section-33 of the Odisha Forest Act, 1972 by the Govt. of Odisha, FE & CC Department vide Notification No.FE-DIV-FLD-0087-2022(10F) (Cons)-381/2015-1500/FE&CC dated 15.01.2025 and the Notification is enclosed as **Annexure-III**.

In view of the above, the compliance to the observations dated 26.06.2024 and 01.07.2024 of the Government of India, MoEF & CC (FC Division), New Delhi is sent herewith for favour of kind information and necessary action.

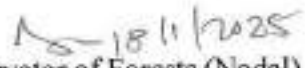
Encl: **Compliance in one set**

Yours faithfully


Additional Principal Chief Conservator of Forests
(Forest Diversion and Nodal Officer, FC Act)

Memo No. /Dt.

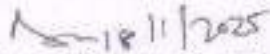
Copy forwarded to the Dy. Director General of Forests (Central), MoEF & CC, Regional Office, Bhubaneswar for favour of kind information and necessary action with reference to observation dated 26.06.2024 and 01.07.2024 of the Assistant Inspector General of Forests, Government of India, MoEF & CC, New Delhi.


Chief Conservator of Forests (Nodal)

Memo No. 1459 /Dt. 18.01.2025

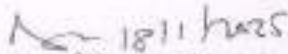
Copy alongwith the compliance report forwarded to the Additional Chief Secretary to Government, Forest, Environment and Climate Change Department, Odisha, Bhubaneswar for favour of kind information and necessary action with reference to observation dated 26.06.2024 and 01.07.2024 of the Assistant Inspector General of Forests, Government of India, MoEF & CC, New Delhi.

Encl: Compliance in one set


Chief Conservator of Forests (Nodal)

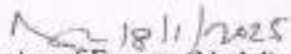
Memo No. /Dt.

Copy forwarded to the Regional Chief Conservator of Forests, Angul Circle for information and necessary action with reference to his Memo No.250 dated 10.01.2025.


Chief Conservator of Forests (Nodal)

Memo No. /Dt.

Copy forwarded to the Divisional Forest Officer, Cuttack Forest Division for information and necessary action with reference to Memo No.251 dated 10.01.2025 of RCCF, Angul Circle.


Chief Conservator of Forests (Nodal)

Memo No. /Dt.

Copy forwarded to the M/s Balasore Alloys Ltd., At/Po-Kaliapani, Dist-Jajpur, Pin-755047 for information.


Chief Conservator of Forests (Nodal)



By Email Annex-I
02.09.2022/1:15

OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2957611 FAX: - 0671-2347611 Email:- dfo.cuttack@odisha.gov.in

No. 5770 /SF (Forest Diversion) 17/2022

Dated, Cuttack, the 02nd July, 2022.

To

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

*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: - 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 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.

(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

09/09/2022

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.

एन सी ई बैंक
The Bank of India

18 OCT 2022

FOR BALASORE ALLOYS LTD
ADIPONSED SIGNATURE
BALASORE ALLOYS LTD

₹ 2,48,07,688.20

40496787300

UBIN0996335

17 OCT 2022

18 OCT 2022

Dear Sir,

Sub Transfer of fund thro RTGS/NEFT

Please arrange to transfer a sum of Rs.2,48,07,641/- (Rupees Two Crore Forty Eight Lac Seven Thousand Six Hundred Forty One) only through RTGS/NEFT as per details given below by debiting our TRA A/C No. 40496787300 with your credits Sukunda Mines Govt Payments.

Amount : Rs. 2,48,07,641/-

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 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. 2,48,07,641.00
BIC RS 47.20
TOTAL RS. 2,48,07,688.20

Authorized Signatories
Mobi: 02281095946

UTR NO. SBIN

Cheque No 817166

17 OCT 2022



1/Work Balganga, Balasore, Odisha - 751020. India Phone No (06762) 275781
06782; 275724 • Email: mail@balasorealloys.com • website www.balasorealloys.com

SCHEME
FOR
COMPENSATORY AFFORESTATION
OVER 7.403 HA. NON-FOREST LAND
 (INCLUDE 6.88 HA. PENAL CA AREA, 0.17 HA. FOR SAFTY ZONE AREA
 INVOLVED IN PROJCT AND 0.353 HA EXCESS AREA OF REQUIRED
 LAND)
IDENTIFIED IN MOUZA – BALGOPALPUR UNDER
REMUNA TAHASIL OF BALASORE DISTRICT.
FOR
 DEVELOPING COMPENSATORY AFFORESTATION LAND IN
 LIEU OF PROPOSAL OF DIVERSION OF 64.119 HA OF FOREST
 LAND AS ON 25.10.1980 WITHIN KALIAPANI CHROMITE
 MINES (ML AREA 64.463 HA) AT KALIAPANI, TEHSIL
 SUKINDA, DIST JAJPUR.

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DIVISIONAL FOREST OFFICER
BALASORE WILDLIFE DIVISION
BALASORE, ODISHA.

Land Suitability Certificate

A gross area of 7.470 Ha. of Non- Forest Private land at Balgopalpur village under Remuna Tahasil of Balasore District own by M/s Balasore Alloys Ltd shared for Penal Compensatory Afforestation and Safety Zone Plantation in lieu of Forest Diversion Proposal of Kaliapani Chromite Mines of M/s. Balasore Alloys Ltd., Jajpur District of Odisha.

In lieu of this, User Agency has submitted 7.824 Ha. of DGPS survey map (against area of 7.470 as per RoR) which is non-forest as per DSS developed by FSI. Accordingly, over an area of 7.403 Ha. of non-forest Kissam land (Statutory requirement) has been identified for raising of Penal Compensatory Afforestation as follows.

This is to certify that 7.403 Ha. of Revenue Non-Forest kissam land in 1 no. of Village, i.e., Balgopalpur of R.I. Circle Naraharipur of Tahasil Remuna under Nilgir Wildlife Range in Balasore Wildlife Division is identified for Penal Compensatory Afforestation and Safety Zone Plantation and found suitable for plantation from management point of view. No plantation has been carried out in the aforesaid area previously.


Divisional Forest Officer
Balasore Wildlife Division
Balasore


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Land Schedule Identified for Compensatory Afforestation

Sl. No.	Hal Reference			Area(In Acre)	Kissam	Sabik Reference		
	Khata No.	Plot No.	Plot No.			KhataNo.	Plot No.	Klissam
1	64/18	161		Ac0.80	GB	3	98	Sarada-III
2	64/18	169		Ac0.58	GB	3	99	Sarada-III
3	64/18	170		Ac0.52	GB	3	109	Sarada-III
4	64/17	172		Ac1.75	Karakhana	3	106	Sarada-III
5	64/13	181		Ac1.42	GB	3	107	Sarada-III
6	64/13	182		Ac1.70	GB	3	107	Sarada-III
7	64/17	183		Ac0.09	Karakhana	3	121	Sarada-III
8	64/17	184		Ac0.56	Karakhana	3	121	Sarada-III
9	64/17	185		Ac1.50	Karakhana	3	122	Sarada-III
10	64/17	191		Ac1.95	Karakhana	3	119	Sarada-III
11	64/17	192		Ac1.48	Karakhana	3	118	Sarada-III
12	64/17	187/210		Ac0.75	Karakhana	3	110	Sarada-III
13	64/18	180		Ac1.16	GB	3	94	Sarada-III
14	64/17	176/205		Ac0.32	Karakhana	3	95	Sarada-III
15	64/18	179		Ac1.00	GB	3	113	Sarada-III
16	64/17	179/195		Ac0.60	Karakhana	3	112	Sarada-III
17	64/13	178		Ac2.10	GB	3	116	Sarada-III
Total Area				Ac18.46				


 Tahasildar, Remuna
TAHASILDAR
REMUNA

visited the Hal plot-


 25.1.24


 R.I. Narahanpur

RECORD KEEPER

EXECUTIVE SUMMARY

The Scheme of Penal Compensatory Afforestation over an area of 7.403 Ha. has been prepared in lieu of diversion of forest land over an area 64.119 Ha. for Forest Diversion Proposal of Kaliapani Chromite Mines of M/s. Balasore Alloys Ltd., Jajpur District of Odisha. The Proposed Penal Compensatory Afforestation area has been identified in 1 No. of village under Nilgir Wildlife Range of Balasore Wildlife Division. And adopted one scheme to accommodate 7,403 nos. of seedlings as per suitability of site-specific land, the details as follows: -

Land Schedule.

Mouza	Hal reference				Status as on 25.10.1980		
	Khata No.	Plot No.	Kisam	Area (in Ac.)	Khata No.	Plot No.	Kisam
Balgopalpur	64/18	161	Gharabari	0.80	3	98	Sarada - 3
	64/18	169	Gharabari	0.58	3	99	Sarada - 3
	64/18	170	Gharabari	0.52	3	109	Sarada - 3
	64/17	172	Industrial	1.75	3	108	Sarada - 3
	64/13	181	Gharabari	1.42	3	107	Sarada - 3
	64/13	182	Gharabari	1.70	3	107	Sarada - 3
	64/17	183	Industrial	0.09	3	121	Sarada - 3
	64/17	184	Industrial	0.56	3	121	Sarada - 3
	64/17	185	Industrial	1.60	3	122	Sarada - 3
	64/17	191	Industrial	1.95	3	119	Sarada - 3
	64/17	192	Industrial	1.48	3	118	Sarada - 3
	64/17	187/210	Industrial	0.75	3	110	Sarada - 3
	64/18	180	Gharabari	1.16	3	94	Sarada - 3
	64/17	176/205	Industrial	0.32	3	94	Sarada - 3
	64/18	179	Gharabari	1.00	3	94	Sarada - 3
	64/17	179/195	Industrial	0.68	3	94	Sarada - 3
64/13	178	Gharabari	2.10	3	94	Sarada - 3	
Total				18.46 or 7.47 Ha.			

Out of gross area of 7.470 Ha. under Nilgir Wildlife Range of Balasore Wildlife Division, the said Penal C.A area of 6.88 Ha., Safety Zone Plantation over 0.17 ha. of area and additional 5% area of 0.353 Ha. (Total- 7.403 Ha.) has been proposed for Compensatory Afforestation @ 1,000 plants /Ha. in AR plantation mode for which 7,403 nos. of seedlings will be planted with SMC work, Inspection Road, Re-generation cleaning etc. in the net area out of 7.470 Ha. identified.

Details of Compensatory Afforestation Scheme:

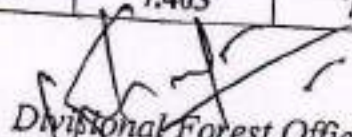
Since, one site and 1 No. of patch has been selected for raising of Penal Compensatory Afforestation in AR plantation mode @ 1,000 plants/ Ha. with maintenance up to twenty years (with 0th year) are prepared as per **One Time Cost Norm** for Compensatory Afforestation as approved by PCCF, Odisha Bhubaneswar vide his O.O No. 1109 dt. 08.11.2021 as follows:

AR (Block) Plantation @ 1,000 Plants/Ha.

Tahasil	R.I Circle	Mouza	Khata No.	Plot no.	Area in Ac. found suitable for plantation	Total Number of Seedlings to be planted
1	2	3	4	5	6	7
Remuna	Naraharipur	Balgopalpur	64/18	161	0.80	7,403
			64/18	169	0.58	
			64/18	170	0.52	
			64/17	172	1.75	
			64/13	181	1.42	
			64/13	182	1.70	
			64/17	183	0.09	
			64/17	184	0.56	
			64/17	185	1.60	
			64/17	191	1.95	
			64/17	192	1.48	
			64/17	187/210	0.75	
			64/18	180	1.16	
			64/17	176/205	0.32	
			64/18	179	1.00	
			64/17	179/195	0.68	
64/13	178	2.10				
Total					18.46 or 7.47 Ha.	7,403

SUMMARY OF THE COMPENSATORY AFFORESTATION SCHEME

SL No.	Mode of Plantation	Gross area (in Ha.)	Net planting Area in Ha.	No. of seedlings to be planted
1.	AR (Block) Plantation @ 1,000 Plants/ Ha.	7.470	7.403	7,403
	Total:	7.470	7.403	7,403


 Divisional Forest Officer
 Balasore Wildlife Division
 Balasore

Penal Compensatory Afforestation & Compensatory Afforestation Scheme over 7.403 ha of Non-Forest Private Land in Balasore District in lieu of Forest Diversion Proposal of Kaliapani Chromite Mines of M/s. Balasore Alloys Ltd., Jajpur District of Odisha.

INTRODUCTION

M/s. Balasore Alloy's, formerly Ispat Alloys Limited is part of the renowned Ispat group of Companies, a major business house in the country, promoted by the Mittals. The groups companies are spread across several countries besides India.

The Company has its Captive Chromite Mines at Kaliapani, Under Tehsil Sukinda , Dist: Jajpur , Odisha namely Kaliapani Chromite Mines over an area of 64.463 Ha . Mining Lease deed with respect to said area was duly executed on 15.7.2000 and operation was started in Sept' 2000. Since inception total area of 64.463 ha was Non -Forest land and mining operation was going on with all statutory approval accordingly.

In the process of Mining Operation the entire Lease area (64.463 ha) has been broken up, however , 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., Divisional Forest Officer, Cuttack Forest Division issued an order along with certified Land Schedule provided by Tahsildar, Sukinda as per Sabik Settlement record that out of 64.463 ha ML area, 64.119 ha was classified as Sal Jungle and balance 0.344 ha as road(Non-Forest) .

Accordingly, Diversion Proposal was submitted on 01.01.2016 Vide No FP/OR/MIN/11934/2015, State SIno: OR-025/2016 by the user agency and Stage-I approval in principle is accorded on 18th November, 2016 File no: 8-14/2016-FC by the Ministry.

User agency had provided 63.943 ha of Government Non Forest land at Village Raharpur, of Dharmasala tahsil, Dist Jajpur Under Cuttack Forest Division for development of Compensatory Afforestation for equivalent area of Forest land involved excluding 0.17 ha of safety zone involved as required by statutory provision under Forest Conservation Act, 1980 as per the condition stipulated the Stage-I order. However, during processing for Stage-II clearance, Ministry has intimated to raise penal Compensatory Afforestation against the project for violation of Forest (conservation) Act, 1980 during the period of 17.12.2019 to 06.06.2022. User agency was asked to identify suitable Non Forest Land for Raising Penal Compensatory Afforestation (PCA) equivalent to area i.e 6.88 ha utilized in the violation of provision of Forest (Conservation) Act, 1980 by Divisional Forest Officer, Cuttack vide his letter No318/5F(Forest Diversion) 61/2018 dated 12th January, 2024.(copy of letters attached).

M/s BAL own some non-forest private land at village Balgoplapur, Tahsil Remuna Under Nilagiri Forest Range of Balasore Forest Division, and intent to share required Non-Forest Land of 7.403 Ha including area 6.88 ha for PCA area along with 0.17 ha for CA against the Safety Zone area for which CA land has not been provided during Diversion proposal and excess five percent of required land (0.353) for development of Compensatory Afforestation. As per the Memo No 431/5F(Forest Diversion)61/2018 date 20th January ,2024 from Cuttack Forest Division, the proposed land was verified and scheme has been prepared.

As the requirement of Compensatory Afforestation land is less than ten hectares, the user agency has to bear the additional cost of protection of Compensatory Afforestation so raised for a period of twenty years from the date of planting and excess land of five percent of required land i.e 7.403 ha, has been provided for Compensatory Afforestation.

User agency has provide undertaking to bear the cost of Compensatory afforestation for the scheme prepared.

LAND INVOLVED

These project extents over an area of 64.119 Ha. Forest land for Forest Diversion Proposal of Kaliapani Chromite Mines of M/s. Balasore Alloys Ltd., Jajpur District of Odisha.

DETAILS OF SELECTION OF SITE

District: Balasore.

Tahasil: Remuna.

RI Circle: Naraharipur.

Village: Balgopalpur

The Penal Compensatory Afforestation has been identified in Balasore Wildlife Division of Balasore District. The site located on Survey of India Open Series Topo Sheet No. 73-K-14 confined within Latitude: 21°31'35.45"N to 21°31'26.20"N, Longitude: 86°50'20.00"E to 86°50'35.67"E and indicated on the map enclosed as Annexure - I. The proposed areas are free from encroachment other encumbrances and found suitable for plantation.

Description of Area: The identified Degraded Revenue Non-Forest area is under the possession of M/s Balasore Alloys Limited.

Soil type: Shallow Clayey Soil mixed with sand.

Topography: -

Hilly/Undulating/Plain: Gently undulating plains.

Whether the area is bearing any root stock of vegetation: The site selected for Compensatory Afforestation was previously used for intensive agriculture before coming into the possession of M/s Balasore Alloys Limited.

Temperature: The area experiences cold weather between November - January when the temperature drops to less than 12° C. The temperature rises steadily from January onwards reaching 30° C to 37° C in Summer (May). So, it is under tropical condition with limited rainy days.

Climate & Rainfall: The area has tropical climate with monsoon rains from June to September and occasional rains during the autumn. This area also experiences occasional gusty wind to heavy thunderstorms during summer season (April to June). Monsoon breaks out in early to middle of June and continues up to September. The average annual rainfall is about 1568 mm under the influence of south west monsoon. On average, there are about 62 rainy days. The humidity is maximum in the month of July to August (98%) and minimum in February (31%). The wind velocity varies between

15 KMPH and 27 KMPH, although occasional higher values have also been reported. Lightening incidents are rarely reported in this area.

Plantation Model: The identified site in Balasore Wildlife Division of Balasore District over gross area of 7.470 Ha. is having gentle undulating terrain and shallow clayey soil. Thus, it is proposed to take up AR plantation @ 1,000 plants per hectare model in this area.

Special Objects of Compensatory Afforestation Scheme are as follows:

The main objective of the present scheme to take up block plantation @1000 Plants per Ha. in non-forest land in village Balgopalpur under Remuna Tahasil of Nilgiri Wildlife Range, Nilgiri under Balasore Wildlife Division. It further seeks suitable soil conservation measures such as staggered trench, percolation pits and water harvesting structure as per slope & site requirement for enrichment of eco-system / ground water table and to provide rain water storage to moist the root stock of plantation during dry spell of the season.

Item of Works to be taken up :

- i. Geo referred survey & demarcation of the boundary: As per the map & boundary geo-coordinates provided in this scheme.
- ii. Angle iron & chain link wire mesh fencing (250 running meter per hectare).
- iii. Site preparation, uprooting & removal of unwanted bushy growth.
- iv. Soil Moisture Conservation Measures.
- v. Planting & Post planting operation with 20 years maintenance.
- vi. Supervision & monitoring.

Survey & Demarcation of Boundary: The identified area has been surveyed by DGPS and also map has been prepared. The area will be demarcated with RCC pillars of size 1.0 m x 15 cm x 15 cm for clear demarcation of the area.

Fencing: To protect the plantation from grazing and other biotic interference, it will be provided with Angle iron & chain link wire mesh fencing (250 running meter per hectare). The perimeter of Penal CA land is 2427 meter.

Site Clearance & Planting: Plantation over 7.403 Ha. shall be taken up with planting model of AR @ 1,000 plants/Ha. Site clearance and cleaning to be done in the treatment area for plantation. All post planting measures like casualty replacement, soil working, manuring, watering, fire protection etc. will be undertaken.

Species: Indigenous species are to be preferred in the plantation. Considering the topography, soil and moisture availability of the plantation area, the following species will be planted.

Khaira (<i>Acacia catechu</i>)	Kala Sirisa (<i>Albizia Lebbeck</i>)
Babool (<i>Acacia nilotica</i>)	Dhala Sirisa (<i>Albizia Procera</i>)
Neem (<i>Azadirachta indica</i>)	Piasal (<i>Pterocarpus marsupium</i>)
Bali Sissoo (<i>Dalbergia Sissoo</i>)	Jamu (<i>Syzygium cumini</i>)
Pahadi Sissoo (<i>Dalbergia latifolia</i>)	Arjun (<i>Terminalia arjuna</i>)
Karanja (<i>Pongamia pinnata</i>)	Barakoli (<i>Ziziphus mauritiana</i>)

Soil and Moisture Conservation Works: - suitable soil conservation measures such as staggered trench, percolation pits and water harvesting structure as per slope & site requirement for enrichment of eco-system / ground water table and to provide rain water storage to moist the root stock of plantation during dry spell of the season.

Supervision and Monitoring: - The scheme shall be executed by the Divisional Forest Officer, Balasore Wildlife Division with his staff and all prescribed records are to be maintained. In addition to internal monitoring by Forest Officers of State Government, a Monitoring Committee under item no. 3.4 (iii) of consolidated guidelines under F.C Act 1980 issued by MoEF, shall be established with a nominee of the Central Government to oversee that the stipulations, including those pertaining to Compensatory Afforestation are carried out.


 Divisional Forest Officer
 Balasore Wildlife Division
 Balasore


**COST NORM FOR AR PLANTATION FOR COMPENSATORY AFFORESTATION AT
BALGOPALPUR UNDER REMUNA TAHSIL OF BALASORE DISTRICT UNDER
BALASORE WILDLIFE DIVISION.**

As per onetime cost norm for Penal Compensatory Afforestation of the Addl. PCCF, Forest Diversion & Nodal Officer, FC Act. Odisha vide Office Order No. 1109/9F- (Misc_387/2021 dated 08.11.2021 & Memo No. 20565 dated 01.12.2021 of Conservator of Forests (Nodal)

No. of Plant to be planted: 7,403 Plants (18-Month-Old Seedling)

Wage Rate: @ 352/- Per Man Day

Sl. No.	Description	Amount (Rs.)
1.	Cost of Plantations	
A	AR (Block) Plantation @ 1,000 plants per Ha. over 7.403 Ha. without fencing @ Rs. 2,71,716/- per Ha. with provision of 10 years maintenance 2024-25	20,11,514.00
2	Cost of Fencing: Cost of Angle Iron & Chain wire mesh fencing with 10 years maintenance @ Rs. 4,85,432/- per 250 RMT/ hectare over 2427 RMT covering 7.470 Ha. (As per base norm of Matrix for the year 2024-25.	47,12,574.00
3.	Watering Provision Cost of 02 Nos. of Bore well for watering (two diesel pump set fitted with borewell for 7.403 Ha. plantation) As per the Base norm of Matrix for the year 2024-25 @ Rs. 5,53,688/- per 5 Ha.	11,07,376.00
4.	SMC Activities Cost of Soil Moisture Conservation (SMC) as per Base Norm of Matrix for the 2027-28 @ Rs. 47,749/- for 1000 Seedlings	3,53,486.00
4.	Additional Cost for maintenance for next 10 years	
i)	Plantation: (Fireline tracing and watch & ward)	12,64,055.00
ii)	Fencing: (Maintenance of Wire mesh fence)	26,59,487.00
	Total	1,21,08,492.00
	Or Say	1,21,08,500.00

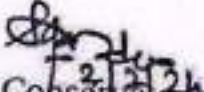

 Divisional Forest Officer
 Balasore Wildlife Division
 Balasore

Financial Outlay for Penal Compensatory Afforestation Scheme over 7.403 ha of degraded revenue non-forest land identified in village Balgopalpur under Remuna Tahasil of Nilagiri Wildlife Range of Balasore (WL) Forest Division against diversion of 64.119 ha of forest land as on 25.10.1980 within Kaliapani Chromite Mines of Balasore Alloys Ltd as per approved One-time Cost Norm

Sl. No.	Description	Amount (Rs.)
1.	Cost of Block Plantation @ 1000 Plants/ Ha with 18 months old seedling without provision of fencing over 7.403 Ha @ Rs.4,32,724 Per ha with 20 years maintenance	32,03,456.00
2.	Cost of angle iron & Chain Wire Mesh fencing over 2427 RMT With maintenance @ Rs.4,62,316/- per 250 RMT/Ha with 10 years maintenance	44,88,164.00
3.	Watering by Diesel Pump set fitted with Borewell (1 Borewell for 5 ha Plantation) for 2 Nos. of borewell @ Rs.5,27,321/- (As proposed by the DFO, Nilagiri (WL) Forest Division)	10,54,642.00
4.	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.39,284/- per ha over 7.403 ha with 5 years maintenance	2,90,819.00
Grand Total		90,37,081.00 Or rounded off to 90,37,100.00

(Rupees ninety lakhs thirty seven thousand and one 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

ANNEXURE-4

BASE COST NORM FOR COMPENSATORY AFFORESTATION (BLOCK PLANTATION)						
@ 1000 PLANTS PER HECTARE (16 months old seedling)						
WAGE RATE Rs. 211/- PER MANDAY						
Sl. No	Items of work	Preferable Period of Execution	No of Mandays	Labour Cost (In Rs.)	Material Cost (In Rs.)	Total cost (In Rs.)
1	2	3	4	5	6	7
0th Year (Advance work) Pre-Planting Operation						
1	Survey, Demarcation and Pillar posting					
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	2	622	0	622
3	Site preparation (Cleaning & removal of debris)	Nov/Dec	1	311	100	411
4	Creation of 4.00 mt wide inspection path	Nov/Dec	12	3732	0	3732
5	Alignment and stacking of pits	Feb/Mar	1	311	0	311
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard and gravelly soil	Feb/Mar	1	311	0	311
7	Construction of Temporary Labour Shed, Drinking water facility and First Aid etc.	Jan/Mar	40	12440	0	12440
					3500	3500
	Total		57	17727	3600	21327
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/Jul	7.5	2332.50	5000	7332.50
2	Transportation of 18 months old polythene bag seedlings in hired truck / tractor from the Permanent/Mega nursery to planting site including loading & unloading. (Average lead of 30 Rkm) & stacking the seedling @ Rs.6/- per Seedling (100 nos.)	Jul/Aug	0	0	6000	6000
3	Watering polyroot seedlings at planting site	Jul/Aug	2	622	0	622
4	Conveyance of polyroot seedlings on head load from the stacking site to individual dugout pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & pressing the soil perfectly around the planted seedlings.	Jul/Aug	22.5	6997.50	0	6997.50
5	Cost of Fertilizer & Insecticide (a) NPK/Bio-fertilizer @ 50 gms/plant as basal dose = 50kg @ Rs.30/- per kg = Rs. 1500.00 (b) Urea/Vermicompost/Mo Khats/any other fertilizer in two subsequent doses @ Rs. 750.00 (c) Insecticide/ Bio-pesticide @ 5 gms/plant = 5 kg @ Rs.250/- per kg = Rs. 1250.00	Jul/Aug	0	0	3000	3000
6	Casualty Replacement @ 10% (100 nos.)	Jul/Aug	2.5	777.5	0	777.5
7	1st weeding & Manuring	Aug/Sept	12	3732	0	3732
8	2nd Weeding, Soil working (1mt. diameter around the plants) & Manuring	Oct/Nov	15	4665	0	4665
9	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
10	Watch & Ward including watering as per requirement	Aug-Mar	12	3732	0	3732
	Total		76.50	23791.50	14600.00	38391.50
2nd Year Maintenance						
1	Transportation of 100 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs.6/- per seedling	Jul	0	0	600	600
2	Casualty replacement- 10%	Jul	2.5	777.5	0	777.5
3	Cost of Fertilizer & Insecticide 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 Khats/any other fertilizer @ Rs. 7000/-	July/Aug	0	0	2875	2875
4	Weeding (Complete weeding), Manuring & Soil working (1mt. diameter around the plants)	Sep/Oct	15	4665	0	4665
5	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
6	Watch & Ward including watering as per requirement	Apr-Mar	18	5598	0	5598
7	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr-Mar		0	1000	1000
	Total		34.5	11973.5	4475	16448.5

Sl. No.	Items of work	Preferable Period of Execution	No of Man-days	Labour Cost (in Rs.)	Material Cost (in Rs.)	Total cost (in Rs.)
1	2	3	4	5	6	7
3rd Year Maintenance						
1	Cost of Fertilizer (Urea/NPK/Bio-fertilizer/Vermicompost/Mo Khata/any other fertilizer)	July/Aug	0	0	1000	1000
2	Weeding (Complete weeding), Mowing & Soil working (1 m diameter around the plants)	Sep/Oct	18	4635	0	4635
3	Fire line tracing (2 m wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
4	Watch & Ward including watering as per requirement	Apr/Mar	18	5598	0	5598
5	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr/Mar	0	0	1000	1000
Total			39.0	11196	3000	14996
4th Year Maintenance						
1	Fire line tracing (2 m wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
2	Watch & Ward including maintenance of vegetative lining	Apr/Mar	18	5598	0	5598
Total			21	6531	0	6531
5th Year Maintenance						
1	Fire line tracing (2 m wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
6th Year Maintenance						
1	Fire line tracing (2 m wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933.0
2	Tracing of branches, Staking out of multiple plots	Jan/Mar	3	933.00	0	933.0
3	Watch & Ward	Apr/Mar	18	5598.00	0	5598.0
Total			24	7464	0	7464.0
7th Year Maintenance						
1	Fire line tracing (2 m wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
8th Year Maintenance						
1	Fire line tracing (2 m wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
9th Year Maintenance						
1	Fire line tracing (2 m wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
10th Year Maintenance						
1	Fire line tracing (2 m wide fire line over 400 m length)	Feb/Mar	3	933	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
Total			11	6531	0	6531

Yearly Budget of Ashrafi (showing seedling cost separately)

Sl. No.	Items of work	Preferable Period of Execution	Mn of Mandays	Labour Cost (In Rs.)	Material Cost (In Rs.)	Total cost (In Rs.)	
Sl. No.	Year	No. of Mandays	Labour cost (In Rs)	Material Cost(In Rs.)	Monitoring, Evaluation, Learning, Documentation and Other Contingency (5% of (4+5))	Cost of Seedlings @Rs.50.34 per seedlings	TOTAL COST(In Rs)
1	1st year	57.0	17727.0	3600.0	973.00	0.00	22300.0
2	2nd year	76.5	23791.5	14600.0	1918.50	55341.00	95651.0
3	3rd year	38.5	11973.5	4475.0	821.50	5831.00	22301.0
4	4th year	26.5	11196.0	3800.0	749.00	0.00	15745.0
5	5th year	21.0	6531.0	0.0	326.00	0.00	6857.0
6	6th year	21.0	6531.0	0.0	326.00	0.00	6857.0
7	7th year	24.0	7464.0	0.0	373.00	0.00	7837.0
8	8th year	21.0	6531.0	0.0	326.00	0.00	6857.0
9	9th year	21.0	6531.0	0.0	326.00	0.00	6857.0
10	10th year	21.0	6531.0	0.0	326.00	0.00	6857.0
11	11th year	21.0	6531.0	0.0	326.00	0.00	6857.0
Total:		358.0	111338.0	26475.0	6793.0	60372.0	204976.0

Notes:

1. Priority must be given to the indigenous local species available nearby to the site of plantation.
2. 10% indigenous fruit bearing trees must be preferred to Plantation.
3. Site specific soil conservation work like LBCD, Gully Plugging, Staggered Trench, Contour Trench, Graded Band, etc. may be taken up
4. Chain Link fencing can be adopted in the CA plantation taken up outside the forest area and Bamboo twigs fencing may be preferred
5. Watering facilities for procurement of water & watering may be adopted as per the availability of water.
6. The Cost Norm of various items can be changed with the approval of the concerned RCCFs keeping the overall cost norm fixed for each Financial Year


 APCCF (Forest Division & NO, FC Act)

Matrix for Model A Conventional CA Plantation (80,000 plants per Ha)

Sl. No.	Expenditure covered (Rs.)	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	Total Cost (10 Years)	
Base Norm	27330	85453	22801	15745	6857	7837	6857	6857	6857	6857	6857	6857											
1	2021-22	22300	100434	24585	18228	8335	8751	10502	9648	20131	10837	11169											234718
2	2022-23		28425	268456	25814	18137	8752	9189	11027	20130	10638	11169	11727										244454
3	2023-24			24586	110728	27105	20094	9190	3648	11578	10637	11170	11727	12313									256777
4	2024-25				25815	118265	28460	21099	9650	10130	12157	11169	11729	12313	12929								271716
5	2025-26					27106	122078	23883	22154	10133	10637	12785	11727	12315	12929	13575							285302
6	2026-27						28461	128282	31377	23262	10640	11169	13403	12313	12931	13575	14054						298557
7	2027-28							28864	134591	32046	24425	11172	11727	14073	12929	13578	14254	14957					314546
8	2028-29								91378	141321	34593	15646	11731	12313	14777	13575	14357	14967	15715				330278
9	2029-30									32947	148387	36323	26928	15318	12929	15516	14254	14970	15715	16501			346738
10	2030-31										34594	155896	38139	28274	12934	13575	14292	14957	15718	16501	17126		364127

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 APCCF (Forest Diversion & NO, FC Act)

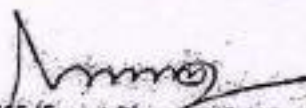
Fencing Model - II
ENCLOSURE OF COMPOUNDING PLANTATION OUTSIDE THE FOREST AREAS USING ANGLE IRON & CHAIN LINK WIRE MESH
(250 Hmt/ Ha.)

WAGE RATE BY: 3112/- PER DAY

Sl. No.	Items of work	Probable Period of Execution	Man days	Wages	Material cost (Rs)	Total Cost (Rs per Ha.)
0th Year (PPO)						
1	Clearing of 1000 sq m area at 1000 sq m @ Rs. 110/cum = 110000		2.42	751.62	0.0	752.6
2	Supply of 40 mm dia. 20 m long 40 mm dia. mesh @ 120000		0	0	5047.4	5047.4
3	Supply of 40 mm dia. 20 m long 40 mm dia. mesh @ 120000				63050.0	63050.0
4	Supply of 40 mm dia. 20 m long 40 mm dia. mesh @ 120000				22123.0	22123.0
5	Supply of Chain link mesh using 4 mm dia. GI wire having gap size 50 mm x 50 mm @ 173775.0				173775.0	173775.0
6	Supply of 1000 sq m area @ 3112/- per day = 3112000				3838.0	3838.0
7	Supply of 1000 sq m area @ 108.80 per sq m = 108800				11424.0	11424.0
8	Supply of 1000 sq m area @ 5600.0 per sq m = 5600000				5600.0	5600.0
	TOTAL		2.42	752.62	2,84,857.4	2,85,610.0
1st Year Maintenance						
1	No maintenance is required	Sept./Oct	0	0	0	0
2nd Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 11000 x 1% = 1100	Sept./Oct	0	0	11000	11000
3rd Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 11000 x 1% = 1100	Sept./Oct	0	0	11000	11000
4th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 11000 x 1% = 1100	Sept./Oct	0	0	11000	11000
5th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 11000 x 1% = 1100	Sept./Oct	0	0	11000	11000
6th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 11000 x 1% = 1100	Sept./Oct	0	0	11000	11000
7th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 11000 x 1% = 1100	Sept./Oct	0	0	11000	11000
8th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 11000 x 1% = 1100	Sept./Oct	0	0	11000	11000
9th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 11000 x 1% = 1100	Sept./Oct	0	0	11000	11000
10th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 11000 x 1% = 1100	Sept./Oct	0	0	11000	11000

Sl. No	Items of work	Preferable Period of Execution	Man days	Wages	Material cost (Rs)	Total Cost (Rs. per Ha.)
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11	Sept./Oct	0	0	11000	11000

Abstract					
Sl. No	Year	No. person days	Labour cost @ Rs. 311/- per day	Material Cost	Total cost (Rs.)
1	0th year	2.42	752.6	284857.4	285610.0
2	1st year	0.0	0.0	0.0	0.0
3	2nd year	0.0	0.0	11000.0	11000.0
4	3rd year	0.0	0.0	11000.0	11000.0
5	4th year	0.0	0.0	11000.0	11000.0
6	5th year	0.0	0.0	11000.0	11000.0
7	6th year	0.0	0.0	11000.0	11000.0
8	7th year	0.0	0.0	11000.0	11000.0
9	8th year	0.0	0.0	11000.0	11000.0
10	9th year	0.0	0.0	11000.0	11000.0
11	10th year	0.0	0.0	11000.0	11000.0
Total:		2.42	752.62	283857.4	284610.0


 APCEF (Forest Diversion & NO, FC Act)

Matrix for Fencing Model F-II (Iron angle with Chainlink wire mesh)

Sl. No.	Comment	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	Total Cost	
NO.	Year	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31														
	Base Rate	285610																							
1		265610	0	12732	13171	14039	14741	15478	16251	17065	17918	18814	19755	20743	21780	22868	24012	25213	26478	27809	29219	30709	32281	418851	
2			259851	0	12732	13171	14039	14741	15478	16251	17065	17918	18814	19755	20743	21780	22868	24012	25213	26478	27809	29219	30709	32281	462599
3				314285	0	12732	13171	14039	14741	15478	16251	17065	17918	18814	19755	20743	21780	22868	24012	25213	26478	27809	29219	30709	462558
4					332530	0	12732	13171	14039	14741	15478	16251	17065	17918	18814	19755	20743	21780	22868	24012	25213	26478	27809	29219	485432
5						347142	0	12732	13171	14039	14741	15478	16251	17065	17918	18814	19755	20743	21780	22868	24012	25213	26478	27809	508705
6							364520	0	12732	13171	14039	14741	15478	16251	17065	17918	18814	19755	20743	21780	22868	24012	25213	26478	535188
7								382746	0	12732	13171	14039	14741	15478	16251	17065	17918	18814	19755	20743	21780	22868	24012	25213	563852
8									401883	0	12732	13171	14039	14741	15478	16251	17065	17918	18814	19755	20743	21780	22868	24012	593649
9										433877	0	12732	13171	14039	14741	15478	16251	17065	17918	18814	19755	20743	21780	22868	625532
10											443376	0	12732	13171	14039	14741	15478	16251	17065	17918	18814	19755	20743	21780	665331

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 APCCS (Forest Division & NO. FC Act)

Matrix for Fencing Model-F-II (Iron angle with Chainlink wire mesh)

Sl. No.	Commentary Year	Base Norm.	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	Total Cost
1	2023-24	285610	0	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000	11000	41000
2	2023-25	285610	0	12126	11734	13170	14039	14740	15478	16257	17064	17919	18814	19750	20743	21790	22898	24011	25113	26213	27398	28798	440099
3	2023-24	295821	0	12752	13171	14039	14741	15477	16257	17065	17918	18814	19750	20743	21790	22898	24011	25113	26213	27398	28798	30331	463116
4	2024-25	314081	0	13481	13860	14741	15478	16257	17065	17918	18814	19750	20743	21790	22898	24011	25113	26213	27398	28798	30331	32000	485432
5	2025-26	332542	0	14210	14542	15478	16257	17065	17918	18814	19750	20743	21790	22898	24011	25113	26213	27398	28798	30331	32000	33810	508703
6	2026-27	351003	0	14939	15210	16257	17065	17918	18814	19750	20743	21790	22898	24011	25113	26213	27398	28798	30331	32000	33810	35710	532014
7	2027-28	369464	0	15668	15879	17065	17918	18814	19750	20743	21790	22898	24011	25113	26213	27398	28798	30331	32000	33810	35710	37710	556325
8	2028-29	387925	0	16397	16548	17918	18814	19750	20743	21790	22898	24011	25113	26213	27398	28798	30331	32000	33810	35710	37710	39810	580636
9	2029-30	406386	0	17126	17217	18814	19750	20743	21790	22898	24011	25113	26213	27398	28798	30331	32000	33810	35710	37710	39810	42010	604947
10	2030-31	424847	0	17855	17896	19750	20743	21790	22898	24011	25113	26213	27398	28798	30331	32000	33810	35710	37710	39810	42010	44310	629258

[Signature]
 A/CCF (Forest Division & NO, FC Act)

Watering Model-W-II			
Watering provision to CA Plantation			
Diesel pump set with bore well (1 pump set + Bore well for 5 Ha Plantation), Wage rate @ Rs.311/-			
		Year of Installation (0th Year)	
1	Cost of borewell	1,50,000	
2	Cost of Diesel pump set SHP	60,000	
3	Diesel pump set & accessories like commander, Pipes, etc.	30,000	
4	Water Storage Tanks/ Flexible pipes	15,000	
		2,55,000	
Cost of Water per Plant (2,55,000/ 5000) = Rs. 51/-			51,000
1st Year Watering			
1	Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000=		21,000
2	Watering 1000 Plants (Nov-Mar) @ 200 plants/MD with 7 days rotation 20 MD x 5 months = 100 MD x 311 =		31,100
			Total 52,100
2nd Year Watering			
1	Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water-21 x 1000=		21,000
	Maintenance Diesel pump set etc. @ 15 % of the installation cost.		7,650
2	Watering 1000 Plants (April- June & Nov-Mar- 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months = 160 MD x 311 =		49,760
			Total 78,410
3rd Year Watering			
1	Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water-21 x 1000=		21,000
	Maintenance Diesel pump set etc. @ 15 % of the installation cost.		7,650
2	Watering 1000 Plants (April- June & Nov-Mar- 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months = 160 MD x 311 =		49,760
			Total 78,410
4th Year Watering			
1	Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000=		21,000
	Maintenance Diesel pump set etc. @ 15 % of the installation cost.		7,650
2	Watering 1000 Plants (April- June & Nov-Mar- 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months = 160 MD x 311 =		49,760
			Total 78,410
5th Year Watering			
1	Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water-21 x 1000=		21,000
	Maintenance Diesel pump set etc. @ 15 % of the installation cost.		7,650
2	Watering 1000 Plants (April- June & Nov-Mar- 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months = 160 MD x 311 =		49,760
			Total 78,410

Abstract					
Sl. No	Year	No. person days	Labour cost @ Rs. 311/- per day	Material Cost	Total cost (Rs.)
1	0th year	0	0.0	51000.0	51000.0
2	1st year	100.0	31100.0	21000.0	52100.0
3	2nd year	160	49760.0	28650.0	78410.0
4	3rd year	160	49760.0	28650.0	78410.0
5	4th year	160	49760.0	28650.0	78410.0
6	5th year	160	49760.0	28650.0	78410.0
Total		740	230140.0	136600.0	4,16,740.0


 APCCFI/Forest Diversion & NO, FC Act)

Matrix for Watering Model-W-II (Diesel Pumpset Fitted with Borewell) per Ha

In Rupees

Sl. No.	Commence ment Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	Total Cost
Base Norm		5100	57100	78410	78410	78410	78410											
1	2021-22	51000	54705	86439	90771	95307	100072											502209
2	2022-23		53350	57440	90761	95310	100072	106006										527321
3	2023-24			56228	60312	95299	100075	105076	110330									551688
4	2024-25				59039	63328	100064	105080	110330	115847								581372
5	2025-26					61991	66094	105087	110334	115847	121639							610441
6	2026-27						65091	69819	110320	115851	121639	127721						640064
7	2027-28							68346	73110	115836	121644	127721	134107					670012
8	2028-29								71763	76976	121628	127726	134107	140812				706662
9	2029-30									75351	80825	127709	134112	140812	147853			741996
10	2030-31										79119	84866	134094	140818	147853	155246		741996

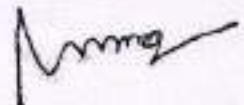
ABCCF (For part Division & NO, FC Act)

[Signature]

SNC Works Model-C			
Cost Norms for creation of Compensatory Afforestation with Stabilization of soil & Conservation of Moisture (1000 Plants/ Ha)			
WAGE RATE Rs-111/PPR DAY			
S.No	Item of Works	Preferable Period of Execution	Total Cost
	0th Year (Pre-Planting Operation)		0
1	INE	1st Year	
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour Trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Dyke & WNS as per the slope & site requirement as per	Apr/Sept	20,215
3	Maintenance of SNC structures @ 15 % of initial year cost	2nd Year	3,031
4	Maintenance of SNC structures @ 15 % of initial year cost	3rd Year	3,031
5	Maintenance of SNC structures @ 15 % of initial year cost	4th Year	3,031
6	Maintenance of SNC structures @ 15 % of initial year cost	5th Year	3,031
	Total		32,343.0

S.No	Year	No person days	Labour cost @ Rs. 111/- per day	Material Cost	Total cost (Rs.)
1	0th year	0.0	0.0	0.0	0.0
2	1st year	0.0	0.0	19,215.0	19,215.00
3	2nd year	0.0	0.0	3,031.00	3,031.00
4	3rd year	0.0	0.0	3,031.00	3,031.00
5	4th year	0.0	0.0	3,031.00	3,031.00
6	5th year	0.0	0.0	3,031.00	3,031.00
	Total	0.00	0.00	32,343.00	32,343.00

Different types of SNC structures may be taken up as per the scope & requirements of the plantation site out of the design & specification of different structures annexed along this document.



APCCF (Forest Division & M.L.F. Act)

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Matrix for (SMC)

Sl. NO.	Commencement Year	In Rupees										Total Cost						
		I	II	III	IV	V	VI	VII	VIII	IX	X		XI	XII	XIII	XIV	XV	XVI
	Base Month	0	20215	3032	2032	3032	3032											
1	2021-22	0	21226	3342	3510	3685	3870											35633
2	2022-23		0	22287	3509	3686	3869	4064										37415
3	2023-24			0	23407	3684	3870	4062	4267									39204
4	2024-25				0	24571	3658	4064	4265	4480								42048
5	2025-26					0	25800	4061	4267	4478	4704							43872
6	2026-27						0	27000	4264	4480	4704	4939						45675
7	2027-28							0	28445	4477	4704	4937	5186					47769
8	2028-29								0	30867	4701	4939	5184	5445				52336
9	2029-30									0	31360	4935	5186	5443	5717			53542
10	2030-31										0	32313	5183	5445	5715	6003		55274

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 APCCOF (Forest Division & NO. FC Act)

No. F45014

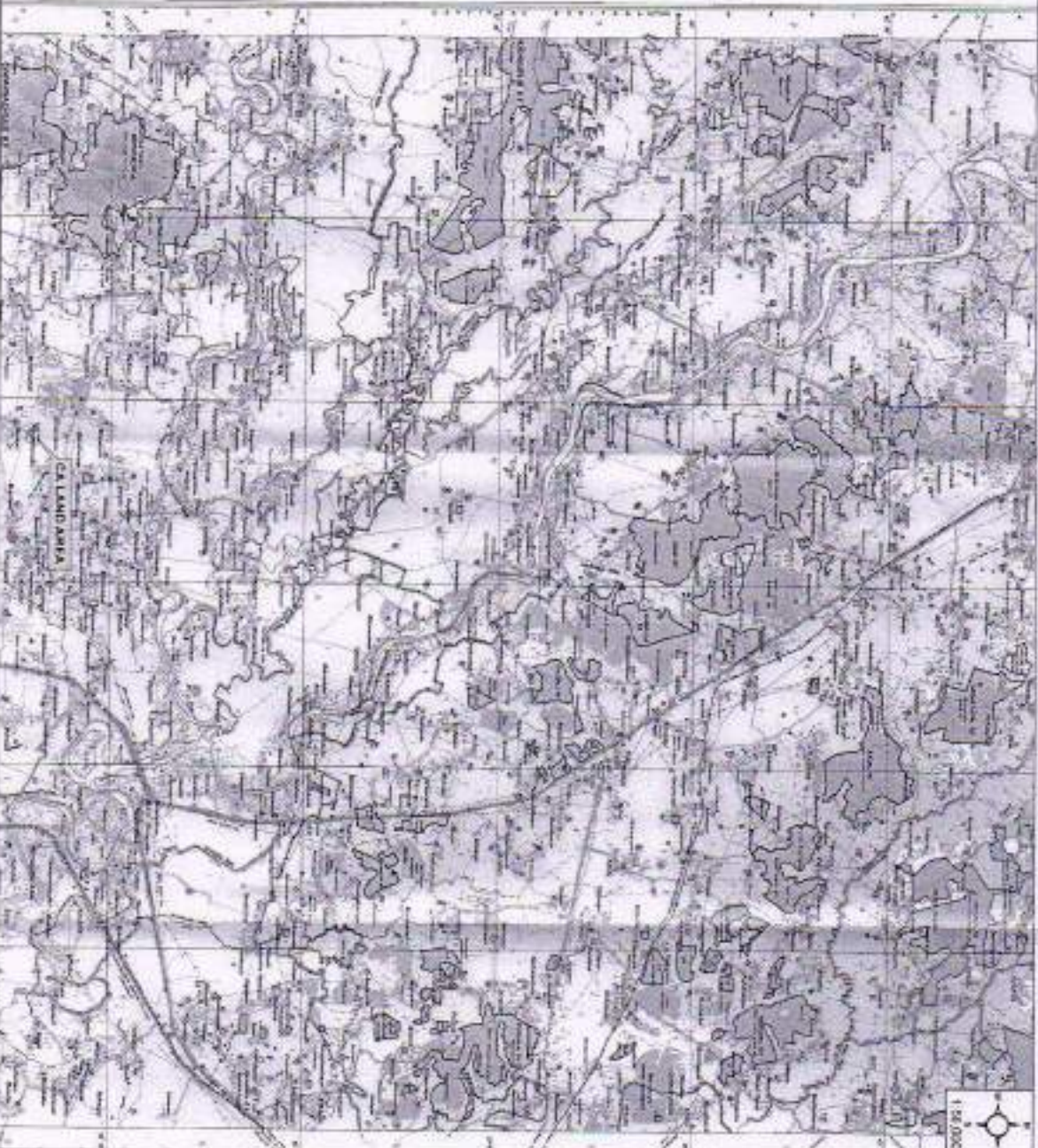
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1	Water
2	Forest
3	Settlement
4	Transportation
5	Topography
6	Administrative
7	Other

COMPENSATORY AFForestation PROJECT

THE COMPENSATORY AFForestation PROJECT IS A SCHEME FOR THE AFForestation OF LANDS WHICH WERE PREVIOUSLY USED FOR OTHER PURPOSES. THE PROJECT IS A PART OF THE AFForestation PROGRAMME OF THE GOVERNMENT OF SRI LANKA. THE PROJECT IS A PART OF THE AFForestation PROGRAMME OF THE GOVERNMENT OF SRI LANKA. THE PROJECT IS A PART OF THE AFForestation PROGRAMME OF THE GOVERNMENT OF SRI LANKA.



LEGEND

CA LAND AREA

81



CERTIFIED TRUE COPY OF RESOLUTION PASSED BY CIRCULATION BY THE BOARD OF DIRECTORS OF BALASORE ALLOYS LIMITED ON MONDAY 9TH SEPTEMBER 2024

Authorisation for signing the gift deed with department of Forest, Environment & Climate Change, Govt of Odisha for transfer of company owned Non forest land for penal compensatory afforestation

"RESOLVED THAT in continuation of all earlier resolutions passed by the Board of Directors from time to time with regard to Stage 1 clearance for diversion of 64.119 hect. of Sabik Kissam Forest Land as on 25th October 1980 within mining lease area of 64.463 hect. for Chromite Mine in Kaliapani Chromite Mine at Kaliapani Dist: Jajpur, Odisha under Cuttack Forest Division (File No F. No 8-14/2016-FC) accorded by Govt of India MOEF & CC (FC Division) on 18th November 2016, letter dated 4th December 2023, Letter dated 1st July 2024 of MOEF & CC for raising Penal Compensation Afforestation and as per letter of DFO (WL) Balasore dated 6th September 2024, Board of Directors of the Company be and is hereby authorised the following executives of the company to deal with Forest, Environment and Climate Change, Govt of Odisha for transfer and mutation of the land as given below:

Mouza	Khata No.	Plot No.	Kisam	Area (in Ac.)
Balgopalpur	64/18	161	Gharabari	0.80
	64/18	169	Gharabari	0.58
	64/18	170	Gharabari	0.52
	64/J8	180	Gharabari	1.16
	64/18	179	Gharabari	1.00
	64/17	172	Karakhana	1.75
	64/17	183	Karakhana	0.09
	64/17	184	Karakhana	0.56
	64/17	185	Karakhana	1.60
	64/17	191	Karakhana	1.95
	64/17	192	Karakhana	1.48
	64/17	187/210	Karakhana	0.75
	64/17	176/205	Karakhana	0.32
	64/17	179/195	Karakhana	0.68
	64/13	181	Gharabari	1.42
	64/13	182	Gharabari	1.70
	64/13	178	Gharabari	2.10
			Total:	18.46

"RESOLVED FURTHER THAT Mr. Debasish Ganguly, Managing Director, Mr Chikali Nagaraju, Executive Director - Operations & Mines, Mr Basanta Kumar Parida, Vice President - Corporate Affairs & SCM, Mr Suryakanta Pradhan, General Manager - Environment and Mr. Pankaj Agarwal, Company Secretary of the Company be and are hereby, severally authorised to sign the Gift Deed with Forest, Environment & Climate Change department of Govt of Odisha and take all necessary actions as may be required from time to time in this regard."

FOR BALASORE ALLOYS LTD

Pankaj Agarwal



PANKAJ KUMAR AGARWAL
 COMPANY SECRETARY

Proposal for 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 Kaliapani Chromite Mines by M/s Balasore Alloys Ltd in Jajpur District, Odisha

Undertaking

We do hereby undertake that PF declaration of PCA land over 7.4703 ha in village Balgopalpur under Remuna tahsil of Balasore District is under active consideration of State Government, and we shall submit it once it is published in Government Gazette within 10 days-time.

For Balasore Alloys Ltd



[Signature]
Debasish Ganguly
Managing Director

11/12/24

COUNTERSIGNED

[Signature]
Divisional Forest Officer
Cuttack Forest Division

Asst. Secy III

GOVERNMENT OF ODISHA
FOREST, ENVIRONMENT AND CLIMATE CHANGE DEPARTMENT

NOTIFICATION

Bhubaneswar, Dated the 15.01.25

No.FE-DIV-FLD-0087-2022 (10F-(Cons)-381/2015)- 1500 /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-Balgopalpur under Remuna Tahasil of Balasore District mutated and transferred in favour of Forest, Environment & Climate Change Department pertaining to the proposed diversion of 64,119 ha of Sabik Kisam forest land as on 25.10.1980 within total mining area of 64,463 ha. for Chromite mining in their Kaliapani Chromite Mines by M/s Balasore Alloys Ltd. in Jajpur District, Odisha as per condition communicated by Government of India, MoEF&CC, FC Division, New Delhi vide letter No.8-14/2016-FC, dated 18.11.2016 and letter dated 04.12.2023, the limits of which are specified below and the area of which is 7.4703 ha (18.46 Ac) shall be a Protected Forest with effect from the date of issue of the Notification and shall be known as "Balgopalpur Protected Forest".

Forest Block:

Name of the Protected Forest : **Balgopalpur**
Area of Protected Forest in Ha : **7.4703**
Area in Acres : **18.46**
Name of the Village : **Balgopalpur**
Name of the Police Station : **Remuna**
Name of the Tahasil : **Remuna**
Name of the Sub-Division : **Balasore**
Name of the District : **Balasore**

Land Schedule:

CCF (W)
DCF (W-I)
SO (W)

CP
L4109/24

Village	Khata No.	Plot No.	Kissam	Area in Ac.	Boundary description			
					North	South	East	West
Balgopalpur	64/98	178	Gharabari	2.100	Plot No. 177 & 193	Plot No. 190	Bidyaharpur No.102	Plot No. 179 & 179/195
		181		1.420	Plot No. 172 & 180	Plot No. 182	Plot No. 187 & 210	Plot No. 168
		182		1.700	Plot No. 181	Plot No. 183, 184 & Balgopalpur No.105	Plot No. 186	Plot No. 165, 166 & 167
	64/99	172	Karakhana	1.750	Plot No. 173	Plot No. 181	Plot No. 180, 181 176(P) & 176/205	Plot No. 168, 170, 171 & 171/216
	176/2005	0.320		Plot No. 176(P)	Plot No. 180	Plot No. 179(P) & 179/195	Plot No. 172	
	175/195	0.680		Plot No. 179(P)	Plot No. 189	Plot No. 178	Plot No. 180	
	183	0.090		Plot No. 182	Balgopalpur No.105	Plot No. 184	Balgopalpur No.105	
	184	0.560		Plot No.	Balgopalpur	Plot No. 185	Plot No.	

				182 & 186	No.105		183	
		185		1.600	Plot No. 186, 188 & 191	Balgopalpur No.105	Plot No. 197	Plot No. 184
		187/210		0.750	Plot No. 180	Plot No. 187(P)	Plot No. 189	Plot No. 181
		191		1.950	Plot No. 189	Plot No. 185	Plot No. 192	Plot No. 188
		192		1.480	Plot No. 190	Plot No. 197, Balgopalpur No.105	Bidyaharpur No.102 Balgopalpur No.105	Plot No. 191
		161		0.800	Plot No. 115 & 180	Plot No. 162	Plot No. 169	Plot No. 39 & 40
		169		0.580	Plot No. 160	Plot No. 168	Plot No. 170 & 171	Plot No. 161 & 162
		170		0.520	Plot No. 160	Plot No. 171	Plot No. 172	Plot No. 169
	64/100	179	Gharabari	1.000	Plot No. 176 & 177	Plot No. 179/195	Plot No. 177 & 178	Plot No. 176, 176/205 & 180
		180		1.160	Plot No. 176/205	Plot No. 187/210 & 181	Plot No. 179 & 179/195	Plot No. 172
Total 17 plots in One Patch				18.46 Ac or 7.4703 Ha.				

By order of the Governor

(Satyabrata Sahu)

Additional Chief Secretary to Government

By e-Mail: deputydirectorppr@rediffmail.com

Memo No. 1501 /FE&CC, Date 15.01.25

Copy with soft copy 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, Balasore/ Divisional Forest Officer, Balasore (WL) Forest Division/ Tahasildar, Remuna Tahasil, Dist.-Balasore.

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

OSD-cum-Special Secretary to Government

Memo No. 1502 /FE&CC, Date 15.01.25

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

OSD-cum-Special Secretary to Government

Memo No. 1503 /FE&CC, Date 15.01.25

Copy forwarded to the Revenue & Disaster Management Department/ Steel & Mines

Department/ Director, Environment-cum-Special Secretary to Government, FE&CC Department/ Member Secretary, SPCB, Odisha/ Director of Land Records and Surveys, Odisha, Cuttack/ RDC (Central Division) Cuttack/ Collector, Balasore/ Tahasildar, Remuna Tahasil, Dist.-Balasore for information and necessary action.

ds
15.01.25

Memo No. 1504 /FE&CC, Date 15.01.25 OSD-cum-Special Secretary to Government

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha/ Principal Chief Conservator of Forests (WL) & CWLW, Odisha/ Addl. Principal Chief Conservator of Forests (FD&NO, FC Act), O/o the PCCF & HoFF, Odisha w.r.t. his letter No.24794, dt.07.12.2024 & Letter No.25890, dt:23.12.2024/ FD STR-cum-Regional Chief Conservator of Forests, Baripada Circle/ Regional Chief Conservator of Forests, Angul Circle/ Divisional Forest Officer, Balasore (WL) Forest Division/ Divisional Forest Officer, Cuttack Forest Division for information and necessary action.

ds
15.01.25

Memo No. 1505 /FE&CC, Date 15.01.25 OSD-cum-Special Secretary to Government

Copy forwarded to the Head State Portal, IT Centre, Odisha Secretariat, Bhubaneswar/ OE (IT) Section, FE&CC Department w.r.t. this Department letter No.21646/F&E dtd.22.11.2016/ 5 spare copies for G.F. for information and necessary action.

ds
15.01.25

Memo No. 1506 /FE&CC, Date 15.01.25 OSD-cum-Special Secretary to Government

Copy forwarded to the Managing Director, M/s Balasore Alloys Ltd., AI/PO-Kaliapani, Dist.-Jajpur for information and necessary action.

ds
15.01.25

OSD-cum-Special Secretary to Government

