



Letter No - 192/H/L dated 21.06.2024

To

1. The Divisional Forest Officer,
Koraput Division
2. The Divisional Forest Officer,
Rayagada Division.

Sub:- Diversion of 38.062 ha of forest land (23.153 ha in Koraput Forest Division + 14.909 ha in Rayagada Forest Division) for establishment of Aluminium Refinery Plant at Kansariguda by M/s HINDALCO Industries Limited in the Districts of Koraput and Rayagada in Odisha.

Ref- 1. Letter No. No. 5-ORC568/2023-BHU dated 29-12- 2023 of IRO, Bhubaneswar, MoEF&CC, GoI.
2. Letter No.413 dated 20.01.2024 of Koraput Division & No.296 dated 23.01.2024 of Rayagada Division.

Dear Sir

This has reference to the letter on the subject cited above, we would like to inform you that Ministry of Environment, Forests & Climate Change, Govt of India, IRO Bhubaneswar vide letter No. Letter No. No. 5-ORC568/2023-BHU dated 29-12- 2023 accorded the in-principle clearance pertaining to the captioned proposal stipulating 24 no's of conditions to be complied with. We are submitting herewith the point wise compliance as given below:-

A. Conditions which need to be complied prior to handing over of forest land by the State Forest Department.

Condition No.1 - The user agency shall transfer online, the Net Present Value (NPV) of 38.062 ha forest land being diverted under this proposal, as per the Orders of Hon'ble Supreme Court of India dated 28.03.2008, 24.04.2008 and 09.05.2008 in Writ Petition (Civil) No.202/1995 and the guidelines issued by this Ministry vide its letter No.5-3/2011-FC (Vol-I) dated 06.01.2022 and 22.03.2022. The requisite funds shall be transferred through online portal in CAMPA account of the State concerned.

In compliance to the above, it is to inform you that the project area situated in two Forest division namely Koraput & Rayagada and the diversion of forest land over 23.153 ha in Koraput Forest Division & 14.909 ha in Rayagada Forest Division. Accordingly, the DFO, Koraput vide letter No.413 dated 20.01.2024 issued demand notice to pay NPV for Rs.2,21,75,480/- (23.153 X Rs.9,57,780/-) towards payment Net Present value (NPV). Similarly, the DFO, Rayagada vide letter No.296 dated 23.01.2024 issued demand notice to pay NPV for Rs.1,42,79,542/- (14.909 X Rs.9,57,780/-) towards payment Net Present value (NPV). The Net Present Value (NPV) of 38.062 ha (23.153 ha in Koraput Forest Division & 14.909 ha in Rayagada Forest

Received

[Signature]
SECTION OFFICER
Koraput Forest Division

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Corporate ID No. L27020MH1958PC011238

[Signature]

Division) forest land being diverted under this proposal has been deposited in favour of Odisha CAMPA vide TRAN/UTR No. AXISP00468341022 in ORISSA CAMPA A/C No. 914020052756577, IFSC code UBIN0996335 dated 5.02.2024 through Axis Bank for Koraput Division and vide TRAN/UTR No. AXIS P00472940114 in ORISSA CAMPA A/C No. 914020052756577, IFSC code UBIN0996335 dated 21.02.2024 through Axis Bank for Rayagada Division. The copy of the proof of deposit is enclosed as **Annexure -1 &2**. The online payment History made by the User agency under CAMPA is enclosed as **Annexure - 1A**.

Condition No.ii. -The identified non-forest land over 38.50 Ha for raising compensatory afforestation shall be transferred and mutated in the name of Forest Department and notified as RF/PF prior to Stage-II approval.

In compliance to the above, the non- forest Govt land identified in village Pipalpadar under Laxmipur Tehasil in Koraput district for raising compensatory afforestation has been mutated & transferred in favour of State Forest Department. The copy of RoR & Sanction letter of Collector, Koraput are enclosed as **Annexure- 3 &4**.

Further, the non-forest land which transferred and mutated in the name of forest department for the purpose of Compensatory afforestation would be declared as Protected Forest and draft proposal for the same under section 33 of Odisha Forest Act, 1972 may kindly be submitted to higher up for taking necessary action at their end.

Condition No.iii. The land identified for the purpose of Compensatory Afforestation/Addl. C.A. shall be clearly depicted on a Survey of India Topo sheet of 1: 50,000 scale.

In compliance to the above, we enclosing herewith map showing the land identified for the purpose of Compensatory Afforestation/Addl. C.A. depicted on a Survey of India Topo sheet of 1: 50,000 scale. The SOI topo sheet map is enclosed plate No.I &II.

Condition No.iv.- The KML files of the area to be diverted and the CA/Addl. C.A. areas shall be uploaded on the e-Green watch portal with all requisite details before issuing working permission towards linear projects or submitting compliance report for seeking Stage-II approval, as the case may be.

In compliance to the above, the KML files of the area to be diverted and the CA/Addl. C.A. areas will be uploaded on the e-Green watch portal with all requisite details before submitting compliance report for seeking Stage-II approval. The soft copy of KML file in CD form of above are enclosed.

Condition No.v. The user agency shall transfer the cost of raising and maintaining the compensatory afforestation/Addl. C.A. at the current wage rate in consultation with State Forest Department in the account of 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 above, the CA & ACA scheme has been prepared by DFO, Koraput and technically approved by PCCF (N) with a financial outlay of Rs.1,09,96,300/- & Rs. 1,33,09,400/- respectively. The DFO, Koraput vide letter No. 413 dated 20.01.2024 issued demand notice and we have deposited Rs.1,09,96,300/- & Rs. 1,33,09,400/- in favour of Odisha CAMPA vide vide TRAN/UTR No. AXISP00472940114 in ORISSA CAMPA A/C No. 914020052756577, IFSC code UBIN0996335 dated 22.02.2024 through Axis Bank towards

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the cost of raising and maintaining the Compensatory Afforestation & Additional Compensatory Afforestation. The copy of the proof of deposit is enclosed as **Annexure -5**. The online payment History made by the User agency under CAMPA is enclosed as **Annexure - 1A**.

Condition No.vi. As recommended by the State Govt. a Site-Specific Wildlife Conservation Plan shall be prepared and duly approved by CWLW, Odisha and to be implemented at project cost.

In compliance to the above, a Site-Specific Wildlife Conservation Plan has been prepared & approved by PCCF(WL) & CWLW, Odisha with a financial outlay of Rs.550 lakhs (Koraput Division – Rs.255.150 Laks + Rayagada Division – Rs. 250.350 Lakhs). Accordingly, the DFO, Koraput vide letter No.409 dated 20.01.2024 issued demand notice to pay Rs.2,55,15,000/-. Similarly, the DFO, Rayagada vide letter No.296 dated 23.01.2024 issued demand notice to pay Rs.2,50,35,000/-. The aforesaid amount has been deposited in favour of Odisha CAMPA vide TRAN/UTR No. AXISP00472940114 in ORISSA CAMPA A/C No. 914020052756577, IFSC code UBIN0996335 dated 22.02.2024 through Axis Bank for Koraput Division and vide TRAN/UTR No. AXISP00472940114 in ORISSA CAMPA A/C No. 914020052756577, IFSC code UBIN0996335 dated 22.02.2024 through Axis Bank for Rayagada Division. The copy of the approved Site-Specific Wildlife Conservation plan is enclosed as **Annexure -6 & 7** and the proof of deposit are enclosed as **Annexure -8 & 1A**.

Condition No.vii. All the funds received from the user agency under the project shall be transferred/ deposited in CAMPA account only through e-portal <https://parivesh.nic.in/>. Amount deposited through other mode will not be accepted as compliance of the Stage-I clearance.

In compliance to the above, we have deposited all the funds in Odisha CAMPA account through e-portal as given below.

Sl.No	Items	Amount (Rs)	Annexure No	TRAN/UTR No	Date
1	NPV (Koraput Division)	Rs.2,21,75,480/-	1	AXISP00468341022	5.02.2024
2	NPV(Rayagada Division)	Rs.1,42,79,542/-	2	AXISP00472940114	22.02.2024
3	Compensatory Afforestation	Rs.1,09,96,300/-	2	AXISP00472940114	22.02.2024
4	Addl. Compensatory Afforestation	Rs.1,33,09,400/-	2	AXISP00472940114	22.02.2024
5	SSWLCP (Koraput Division)	Rs.2,55,15,000/-	2	AXISP00472940114	22.02.2024
6	SSWLCP (Rayagada Division)	Rs.2,50,35,000/-	2	AXISP00472940114	22.02.2024

Condition No.viii. *The compliance report of the Stage-I approval shall be uploaded on e-portal (<https://parivesh.nic.in/>).*

In compliance to the above, we undertake that the compliance report of the Stage-I approval shall be uploaded on e-portal (<https://parivesh.nic.in/>).

Condition No.ix. *The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector.*

In compliance to the above, the required certificate under compliance of Schedule Tribe & Other Forest Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 has been issued by the Collector, Koraput & Collector Rayagada. The FRA certificates & Gram sabha resolution are enclosed as **Annexure- 9**.

Condition No.x. *The boundary of the proposed forest land for diversion, shall be demarcated in 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 above, it is to inform you that the boundary of the proposed forest land for diversion has been demarcated in ground by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates. The Joint verification reports of Revenue & Forest Department of Koraput & Rayagada District with regards to demarcation & pillar posting are enclosed as **Annexure-10A & 10B**. Few photographs of Boundary pillars are enclosed as **Annexure -10C**.

- 8. Conditions which need to be strictly complied after handing over of forest land to the User agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval.**

Condition No.i. *- Legal status of forest land proposed for diversion shall remain unchanged.*

In compliance to above, the legal status of forest land proposed for diversion shall remain unchanged. An undertaking in this effect is enclosed as **Annexure -11**

Condition No.ii. *Compensatory afforestation shall be raised over 38.50 ha of non-forest land identified in Plot No.72, 73, 74 & 3, Khata No.76 of Kisam-Pahar of village Pipalpadar Laxmipur Tahasil under Koraput Forest Division within two years from the date of Stage-II Clearance and maintained thereafter by the State Forest Department, at the cost of user agency.*

In compliance to the above, we would like to re-iterate that an amount of Rs.1,09,96,300/- has been deposited in Odisha CAMPA. A scheme has been prepared and technically approved by the PCCF(N) with 10 years maintenance period. We here by undertake that Compensatory afforestation will be raised over 38.50 ha of non-forest land identified in Plot No.72, 73, 74 & 3, Khata No.76 of Kisam-Pahar of village Pipalpadar Laxmipur Tahasil under Koraput Forest Division within two years from the date of Stage-II Clearance and maintained thereafter by the State Forest Department, at the project cost. The undertaking to this effect is enclosed as **Annexure-12**.

Condition No.iii. *Additional compensatory afforestation shall be raised over 22 ha degraded forest land identified in Hatimali DPF under Laxmipur Range of Koraput Forest Division within*

two years from the date of Stage-II Clearance as per approved plan/scheme and maintained thereafter by the State Forest Department from the funds deposited by the user agency in CAMPA account.

In compliance to the above, it is to state that an amount of Rs.1,33,09,400/- has been deposited in Odisha CAMPA. Further we do hereby undertake that Additional compensatory afforestation shall be raised over 22 ha degraded forest land identified in Hatimali DPF under Laxmipur Range of Koraput Forest Division within two years from the date of Stage-II Clearance as per approved plan/scheme and maintained thereafter by the State Forest Department from the funds deposited by us in CAMPA account. The undertaking to this effect is enclosed as **Annexure-13.**

Condition No.iv. *The species to be planted under the CA and Additional CA schemes shall be of native species of the area. At least 18-month-old seedlings should be planted. Intensive monitoring of the plantation needs to be done and documented using Geo tagging so that the increase of canopy density and survival and growth of plantation can be evaluated at regular intervals.*

In compliance to the above, it is to state that schemes for CA and Additional CA prepared by DFO, Koraput & technically approved by PCCF(N) by incorporating 18 months seedlings of native species. Intensive monitoring of the plantation shall be done and documented using Geo tagging so that the increase of canopy density and survival and growth of plantation can be evaluated at regular intervals. In this effect an undertaking is enclosed as **Annexure-14.**

Condition No.v *At the time of payment of 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 the above, we have already deposited Rs.3,64,55,022/- (Rs. 2,21,75,480 + Rs.1,42,79,542/-) as per demand notice of DFO, Koraput & DFO, Rayagada respectively at the prevailing rate. We do hereby undertake to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India. In this effect an undertaking is enclosed as **Annexure-15.**

Condition No.vi - *Only 10.156 ha of forest land which is Revenue forest should be considered for diversion to include in the identified 204.579 ha of land for Red Mud Pond. The other forest area 12.162 ha within the identified periphery of Red Mud Pond should be developed as green belt.*

In compliance to the above, we undertake that only 10.156 ha of forest land which is Revenue forest would be considered for diversion to include in the identified 204.579 ha of land for Red Mud Pond and the other forest area of 12.162 ha within the identified periphery of Red Mud Pond will be developed as green belt. An undertaking to this effect is enclosed as **Annexure-16.**

Condition No.vii - *The forest area of 2.356 ha proposed for bauxite handling and 0.392 ha for coal storage should also be developed to green belt.*

In compliance to the above, we undertake that the forest area of 2.356 ha proposed for bauxite handling and 0.392 ha for coal storage will be developed as green belt. An undertaking to this effect is enclosed as **Annexure-17.**



Condition No.viii - The user agency shall follow the CPCB/SPCB guidelines for Red Mud Pond, leaching proof of red mud pond shall be ensured.

In compliance to the above, we would like to inform you that a detailed study has been conducted to prevent leaching from red mud pond. The study report is enclosed as **Annexure - 18**. We also hereby undertake that we will follow the CPCB/SPCB guidelines for Red Mud Pond, leaching proof of red mud pond shall be ensured. An undertaking to this effect is enclosed as **Annexure-19**.

Condition No.ix The user agency shall carry out hydrological study for water table and contamination of water bodies around the Red Mud Pond area in regular interval.

In compliance to the above, hydrological study of the project area already completed. The Hydrological study report is enclosed as **Annexure -20**. However we undertake to carry out Hydrological study for water table and contamination of water bodies around the Red Mud Pond area in regular interval. An undertaking to this effect is enclosed as **Annexure-21**.

Condition No.x Bio-remediation with high density afforestation shall be taken up concurrently and by dividing the Red Mud Pond into blocks where solid substrata (solid residue of the Red Mud Pond) shall be "bio remediated" and planted with suitable species progressively and concurrently throughout the period of the mine.

In compliance to the above, We here by undertake that Bio-remediation with high density afforestation will be taken up concurrently and by dividing the Red Mud Pond into blocks where solid substrata (solid residue of the Red Mud Pond) shall be "bio remediated" and planted with suitable species progressively and concurrently throughout the period of the Project. An undertaking to this effect is enclosed as **Annexure-22**.

Condition No.xi The user agency shall obtain Environmental Clearance as per the provisions of Environment (Protection) Act, 1980, if applicable.

In compliance to the above, we undertake that Environmental Clearance will be obtained as per the provisions of Environment (Protection) Act, 1986, prior to commencement of work. An undertaking to this effect is enclosed as **Annexure-23**.

Condition No.xii The cost of felling of trees shall be deposited by the user agency with the State Forest Department. The user agency shall explore the possibility of successful transplantation of maximum number of trees identified to be felled and shall ensure that 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 the above, we do hereby undertake that we will deposit the cost of felling of trees with the State Forest Department after getting the demand notice. We further undertake that we will explore the possibility of successful transplantation of maximum number of trees identified to be felled and also ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department. An undertaking to this effect is enclosed as **Annexure-24**.

Condition No.xiii No labour camp shall be established on the forest land and 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 the above, we undertake that no labour camp will be established on the forest land and will provide fuels preferably alternate fuels to the labourers and

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the staff working at the site so as to avoid any damage and pressure on the nearby forest areas. An undertaking to this effect is enclosed as **Annexure-25.**

Condition No.xiv *No additional or new path will be constructed inside the forest area for any activity related to the project work.*

In compliance to the above, we undertake that we will not use or construct any additional or new path inside the forest area for any activity related to the project work. An undertaking to this effect is enclosed as **Annexure-26.**

Condition No.xv *The user agency while executing work, shall not fell any tree or damage forest growth in the surrounding forest area in any manner.*

In compliance to the above, we undertake that while executing work, shall not fell any tree or damage forest growth in the surrounding forest area in any manner. An undertaking to this effect is enclosed as **Annexure-27.**

Condition No.xvi *The layout plan of the proposed forest land shall not be changed without the prior approval of Ministry of Environment, Forest & Climate Change.*

In compliance to the above, we here by undertake that the layout plan of the proposed forest land will not be changed without the prior approval of Ministry of Environment, Forest & Climate Change. An undertaking to this effect is enclosed as **Annexure-28.**

Condition No.xvii *The forest land shall not be used for any purpose other than that specified in the proposal.*

In compliance to the above, we here by undertake that the forest land shall not be used for any purpose other than that specified in the proposal. An undertaking to this effect is enclosed as **Annexure-29.**

Condition No.xviii *The forest land proposed to be diverted shall under no circumstances be transferred to any other user agency, department, or person without the prior approval of Ministry of Environment, Forest & Climate Change.*

In compliance to the above, we here by undertake that the forest land proposed to be diverted shall under no circumstances be transferred to any other user agency, department, or person without the prior approval of Ministry of Environment, Forest & Climate Change. An undertaking to this effect is enclosed as **Annexure -30.**

Condition No.xvix *No damage to the flora and fauna of the adjoining area shall be caused.*

In compliance to the above, we here by undertake that no damage to the flora and fauna of the adjoining area shall be caused. An undertaking to this effect is enclosed as **Annexure -31.**

Condition No.xvx *The concerned Divisional Forest Officer will monitor and take necessary mitigative measures to ensure that there is no adverse impact on the forests in the surrounding area.*

In compliance to the above, the Divisional Forest Officer, Koraput & Rayagada will monitor and take necessary mitigative measures to ensure that there is no adverse impact on the forests in the surrounding area.

Condition No.xvxi *The user agency shall submit annual self-monitoring report on compliance of stipulated conditions to the Nodal Officer (FCA) of the State and concerned Integrated Regional Office of this Ministry by the end of March every year.*

In compliance to the above, we undertake that we will submit annual self-monitoring report on compliance of stipulated conditions to the Nodal Officer (FCA) of the State and concerned Integrated Regional Office of this Ministry by the end of March every year. An undertaking to this effect is enclosed as **Annexure-32**.

Condition No.xvxi Any other conditions that the Ministry of Environment, Forests & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, shall be complied by the user agency.

In compliance to the above, we do hereby undertake that we will comply any other conditions that the Ministry of Environment, Forests & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area. An undertaking to this effect is enclosed as **Annexue-33**.

Condition No.xvxiii The State Govt. and user agency shall ensure compliance to provisions of the all Acts, Rules, Regulations, Guidelines, NGT Order (s) & 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 the above, we do hereby undertake that we will ensure compliance to provisions of the all Acts, Rules, Regulations, Guidelines, NGT Order (s) & Hon'ble Court Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project. An undertaking to this effect is enclosed as **Annexue-34**.

Condition No.xvxiii Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in Para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No.5-2/2017-FC dated 28.03.2019.

In compliance to the above, we do hereby undertake that we will abide by all the stipulated conditions and Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in Para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No.5-2/2017-FC dated 28.03.2019. An undertaking to this effect is enclosed as **Annexue-35**.

In view of the above we request your good self-recommend our compliance report to the higher up for onward transmission to IRO, MoEF&CC, GoI for grant of final approval.

Thanking you,

Yours faithfully,

For Hindalco Industries Ltd.

Dr. Rama Chandra Rout

Authorized Signatory

Encl: As above.





Letter No. - 192/HIL dated 21.06.24

To

1. The Divisional Forest Officer,
Koraput Division
2. The Divisional Forest Officer,
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Section Officer
Rayagada Forest Division

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Further, the non-forest land which transferred and mutated in the name of forest department for the purpose of Compensatory afforestation would be declared as Protected Forest and draft proposal for the same under section 33 of Odisha Forest Act, 1972 may kindly be submitted to higher up for taking necessary action at their end.

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the cost of raising and maintaining the Compensatory Afforestation & Additional Compensatory Afforestation. The copy of the proof of deposit is enclosed as **Annexure -5**. The online payment History made by the User agency under CAMPA is enclosed as **Annexure - 1A**.

Condition No.vi. As recommended by the State Govt. a Site-Specific Wildlife Conservation Plan shall be prepared and duly approved by CWLW, Odisha and to be implemented at project cost.

In compliance to the above, a Site-Specific Wildlife Conservation Plan has been prepared & approved by PCCF(WL) & CWLW, Odisha with a financial outlay of Rs.550 lakhs (Koraput Division – Rs.255.150 Laks + Rayagada Division – Rs. 250.350 Lakhs). Accordingly, the DFO, Koraput vide letter No.409 dated 20.01.2024 issued demand notice to pay Rs.2,55,15,000/-. Similarly, the DFO, Rayagada vide letter No.296 dated 23.01.2024 issued demand notice to pay Rs.2,50,35,000/-. The aforesaid amount has been deposited in favour of Odisha CAMPA vide TRAN/UTR No. AXISP00472940114 in ORISSA CAMPA A/C No. 914020052756577, IFSC code UBIN0996335 dated 22.02.2024 through Axis Bank for Koraput Division and vide TRAN/UTR No. AXISP00472940114 in ORISSA CAMPA A/C No. 914020052756577, IFSC code UBIN0996335 dated 22.02.2024 through Axis Bank for Rayagada Division. The copy of the approved Site-Specific Wildlife Conservation plan is enclosed as **Annexure -6 & 7** and the proof of deposit are enclosed as **Annexure -8 & 1A**.

Condition No.vii. All the funds received from the user agency under the project shall be transferred/ deposited in CAMPA account only through e-portal <https://parivesh.nic.in/>. Amount deposited through other mode will not be accepted as compliance of the Stage-I clearance.

In compliance to the above, we have deposited all the funds in Odisha CAMPA account through e-portal as given below.

Sl.No	Items	Amount (Rs)	Annexure No	TRAN/UTR No	Date
1	NPV (Koraput Division)	Rs.2,21,75,480/-	1	AXISP00468341022	5.02.2024
2	NPV(Rayagada Division)	Rs.1,42,79,542/-	2	AXISP00472940114	22.02.2024
3	Compensatory Afforestation	Rs.1,09,96,300/-	2	AXISP00472940114	22.02.2024
4	Addl. Compensatory Afforestation	Rs.1,33,09,400/-	2	AXISP00472940114	22.02.2024
5	SSWLCP (Koraput Division)	Rs.2,55,15,000/-	2	AXISP00472940114	22.02.2024
6	SSWLCP (Rayagada Division)	Rs.2,50,35,000/-	2	AXISP00472940114	22.02.2024

Signature

Condition No.viii. *The compliance report of the Stage-I approval shall be uploaded on e-portal (<https://parivesh.nic.in/>).*

In compliance to the above, we undertake that the compliance report of the Stage-I approval shall be uploaded on e-portal (<https://parivesh.nic.in/>).

Condition No.ix. *The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector.*

In compliance to the above, the required certificate under compliance of Schedule Tribe & Other Forest Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 has been issued by the Collector, Koraput & Collector Rayagada. The FRA certificates & Gram sabha resolution are enclosed as **Annexure- 9**.

Condition No.x. *- The boundary of the proposed forest land for diversion, shall be demarcated in 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 above, it is to inform you that the boundary of the proposed forest land for diversion has been demarcated in ground by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates. The Joint verification reports of Revenue & Forest Department of Koraput & Rayagada District with regards to demarcation & pillar posting are enclosed as **Annexure-10A & 10B**. Few photographs of Boundary pillars are enclosed as **Annexure -10C**.

- B. Conditions which need to be strictly complied after handing over of forest land to the User agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval.**

Condition No.i. *- Legal status of forest land proposed for diversion shall remain unchanged.*

In compliance to above, the legal status of forest land proposed for diversion shall remain unchanged. An undertaking in this effect is enclosed as **Annexure -11**

Condition No.ii. *Compensatory afforestation shall be raised over 38.50 ha of non-forest land identified in Plot No.72, 73, 74 & 3, Khata No.76 of Kisam-Pahar of village Pipalpadar Laxmipur Tahasil under Koraput Forest Division within two years from the date of Stage-II Clearance and maintained thereafter by the State Forest Department, at the cost of user agency.*

In compliance to the above, we would like to re-iterate that an amount of Rs.1,09,96,300/- has been deposited in Odisha CAMPA. A scheme has been prepared and technically approved by the PCCF(N) with 10 years maintenance period. We here by undertake that Compensatory afforestation will be raised over 38.50 ha of non-forest land identified in Plot No.72, 73, 74 & 3, Khata No.76 of Kisam-Pahar of village Pipalpadar Laxmipur Tahasil under Koraput Forest Division within two years from the date of Stage-II Clearance and maintained thereafter by the State Forest Department, at the project cost. The undertaking to this effect is enclosed as **Annexure-12**.

Condition No.iii. *Additional compensatory afforestation shall be raised over 22 ha degraded forest land identified in Hatimali DPF under Laxmipur Range of Koraput Forest Division within*

del.

two years from the date of Stage-II Clearance as per approved plan/scheme and maintained thereafter by the State Forest Department from the funds deposited by the user agency in CAMPA account.

In compliance to the above, it is to state that an amount of Rs.1,33,09,400/- has been deposited in Odisha CAMPA. Further we do hereby undertake that Additional compensatory afforestation shall be raised over 22 ha degraded forest land identified in Hatimali DPF under Laxmipur Range of Koraput Forest Division within two years from the date of Stage-II Clearance as per approved plan/scheme and maintained thereafter by the State Forest Department from the funds deposited by us in CAMPA account. The undertaking to this effect is enclosed as **Annexure-13.**

Condition No.iv. *The species to be planted under the CA and Additional CA schemes shall be of native species of the area. At least 18-month-old seedlings should be planted. Intensive monitoring of the plantation needs to be done and documented using Geo tagging so that the increase of canopy density and survival and growth of plantation can be evaluated at regular intervals.*

In compliance to the above, it is to state that schemes for CA and Additional CA prepared by DFO, Koraput & technically approved by PCCF(N) by incorporating 18 months seedlings of native species. Intensive monitoring of the plantation shall be done and documented using Geo tagging so that the increase of canopy density and survival and growth of plantation can be evaluated at regular intervals. In this effect an undertaking is enclosed as **Annexure-14.**

Condition No.v *At the time of payment of 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 the above, we have already deposited Rs.3,64,55,022/- (Rs. 2,21,75,480 + Rs.1,42,79,542/-) as per demand notice of DFO, Koraput & DFO, Rayagada respectively at the prevailing rate. We do hereby undertake to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India. In this effect an undertaking is enclosed as **Annexure-15.**

Condition No.vi *- Only 10.156 ha of forest land which is Revenue forest should be considered for diversion to include in the identified 204.579 ha of land for Red Mud Pond. The other forest area 12.162 ha within the identified periphery of Red Mud Pond should be developed as green belt.*

In compliance to the above, we undertake that only 10.156 ha of forest land which is Revenue forest would be considered for diversion to include in the identified 204.579 ha of land for Red Mud Pond and the other forest area of 12.162 ha within the identified periphery of Red Mud Pond will be developed as green belt. An undertaking to this effect is enclosed as **Annexure-16.**

Condition No.vii *- The forest area of 2.356 ha proposed for bauxite handling and 0.392 ha for coal storage should also be developed to green belt.*

In compliance to the above, we undertake that the forest area of 2.356 ha proposed for bauxite handling and 0.392 ha for coal storage will be developed as green belt. An undertaking to this effect is enclosed as **Annexure-17.**



Condition No.viii - The user agency shall follow the CPCB/SPCB guidelines for Red Mud Pond, leaching proof of red mud pond shall be ensured.

In compliance to the above, we would like to inform you that a detailed study has been conducted to prevent leaching from red mud pond. The study report is enclosed as **Annexure - 18**. We also hereby undertake that we will follow the CPCB/SPCB guidelines for Red Mud Pond, leaching proof of red mud pond shall be ensured. An undertaking to this effect is enclosed as **Annexure-19**.

Condition No.ix The user agency shall carry out hydrological study for water table and contamination of water bodies around the Red Mud Pond area in regular interval.

In compliance to the above, hydrological study of the project area already completed. The Hydrological study report is enclosed as **Annexure -20**. However we undertake to carry out Hydrological study for water table and contamination of water bodies around the Red Mud Pond area in regular interval. An undertaking to this effect is enclosed as **Annexure-21**.

Condition No.x Bio-remediation with high density afforestation shall be taken up concurrently and by dividing the Red Mud Pond into blocks where solid substrata (solid residue of the Red Mud Pond) shall be "bio remediated" and planted with suitable species progressively and concurrently throughout the period of the mine.

In compliance to the above, We here by undertake that Bio-remediation with high density afforestation will be taken up concurrently and by dividing the Red Mud Pond into blocks where solid substrata (solid residue of the Red Mud Pond) shall be "bio remediated" and planted with suitable species progressively and concurrently throughout the period of the Project. An undertaking to this effect is enclosed as **Annexure-22**.

Condition No.xi The user agency shall obtain Environmental Clearance as per the provisions of Environment (Protection) Act, 1986, if applicable.

In compliance to the above, we undertake that Environmental Clearance will be obtained as per the provisions of Environment (Protection) Act, 1986, prior to commencement of work. An undertaking to this effect is enclosed as **Annexure-23**.

Condition No.xii The cost of felling of trees shall be deposited by the user agency with the State Forest Department. The user agency shall explore the possibility of successful transplantation of maximum number of trees identified to be felled and shall ensure that 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 the above, we do hereby undertake that we will deposit the cost of felling of trees with the State Forest Department after getting the demand notice. We further undertake that we will explore the possibility of successful transplantation of maximum number of trees identified to be felled and also ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department. An undertaking to this effect is enclosed as **Annexure-24**.

Condition No.xiii No labour camp shall be established on the forest land and 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 the above, we undertake that no labour camp will be established on the forest land and will 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. An undertaking to this effect is enclosed as **Annexure-25.**

Condition No.xiv *No additional or new path will be constructed inside the forest area for any activity related to the project work.*

In compliance to the above, we undertake that we will not use or construct any additional or new path inside the forest area for any activity related to the project work. An undertaking to this effect is enclosed as **Annexure-26.**

Condition No.xv *The user agency while executing work, shall not fell any tree or damage forest growth in the surrounding forest area in any manner.*

In compliance to the above, we undertake that while executing work, shall not fell any tree or damage forest growth in the surrounding forest area in any manner. An undertaking to this effect is enclosed as **Annexure-27.**

Condition No.xvi *The layout plan of the proposed forest land shall not be changed without the prior approval of Ministry of Environment, Forest & Climate Change.*

In compliance to the above, we here by undertake that the layout plan of the proposed forest land will not be changed without the prior approval of Ministry of Environment, Forest & Climate Change. An undertaking to this effect is enclosed as **Annexure-28.**

Condition No.xvii *The forest land shall not be used for any purpose other than that specified in the proposal.*

In compliance to the above, we here by undertake that the forest land shall not be used for any purpose other than that specified in the proposal. An undertaking to this effect is enclosed as **Annexure-29.**

Condition No.xviii *The forest land proposed to be diverted shall under no circumstances be transferred to any other user agency, department, or person without the prior approval of Ministry of Environment, Forest & Climate Change.*

In compliance to the above, we here by undertake that the forest land proposed to be diverted shall under no circumstances be transferred to any other user agency, department, or person without the prior approval of Ministry of Environment, Forest & Climate Change. An undertaking to this effect is enclosed as **Annexure -30.**

Condition No.xvix *No damage to the flora and fauna of the adjoining area shall be caused.*

In compliance to the above, we here by undertake that no damage to the flora and fauna of the adjoining area shall be caused. An undertaking to this effect is enclosed as **Annexure -31.**

Condition No.xvix *The concerned Divisional Forest Officer will monitor and take necessary mitigative measures to ensure that there is no adverse impact on the forests in the surrounding area.*

In compliance to the above, the Divisional Forest Officer, Koraput & Rayagada will monitor and take necessary mitigative measures to ensure that there is no adverse impact on the forests in the surrounding area.

Condition No.xvxi *The user agency shall submit annual self-monitoring report on compliance of stipulated conditions to the Nodal Officer (FCA) of the State and concerned Integrated Regional Office of this Ministry by the end of March every year.*

In compliance to the above, we undertake that we will submit annual self-monitoring report on compliance of stipulated conditions to the Nodal Officer (FCA) of the State and concerned Integrated Regional Office of this Ministry by the end of March every year. An undertaking to this effect is enclosed as **Annexure-32**.

Condition No.xvxi Any other conditions that the Ministry of Environment, Forests & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, shall be complied by the user agency.

In compliance to the above, we do hereby undertake that we will comply any other conditions that the Ministry of Environment, Forests & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area. An undertaking to this effect is enclosed as **Annexue-33**.

Condition No.xvxi The State Govt. and user agency shall ensure compliance to provisions of the all Acts, Rules, Regulations, Guidelines, NGT Order (s) & 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 the above, we do hereby undertake that we will ensure compliance to provisions of the all Acts, Rules, Regulations, Guidelines, NGT Order (s) & Hon'ble Court Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project. An undertaking to this effect is enclosed as **Annexue-34**.

Condition No.xvxi Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in Para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No.5-2/2017-FC dated 28.03.2019.

In compliance to the above, we do hereby undertake that we will abide by all the stipulated conditions and Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in Para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No.5-2/2017-FC dated 28.03.2019. An undertaking to this effect is enclosed as **Annexue-35**.

In view of the above we request your good self-recommend our compliance report to the higher up for onward transmission to IRO, MoEF&CC, GoI for grant of final approval.

Thanking you,

Yours faithfully,

For Hindalco Industries Ltd.

Dr. Rama Chandra Rout

Authorized Signatory

Encl: As above.



TO WHOM SO EVER IT MAY CONCERN

This is to confirm that we have RTGS the below mention funds favour of ORISSA CAMPA by debiting A/c no-914020052756577 of Hindalco Industries Limited.

Details of the fund transfer are as follows:

Transfer Amount : RS 2,21,75,480/-

Date of Transfer : 05.02.2024

TRAN No : AXISP00468341022

IFSC CODE : UBIN0996335


Yours faithfully,



Operation Head


* TRANSACTION DONE FROM CORPORATE END.

220 - A circular blue ink stamp of Hindalco Industries Limited. The text 'HINDALCO INDUSTRIES LIMITED' is visible around the perimeter, and 'BHUBANESHWAR' is written in the center. A handwritten signature in black ink is written to the left of the stamp.



PARIVESH
परिवेश

"Pro Active and Responsive facilitation by Interactive, Virtuous and Environmental Single-window-Hub"



Ministry of Environment, Forest and Climate Change
Government of India

3:27:17 PM

My Account • My Proposals Environment Clearance • Only CRZ Clearance • My Proposals Forest Clearance • My Proposals Wildlife Clearance • Help •

Online payment history made by User Agency under CAMPA

Sl. No.	Proposal Detail	Application No.	Application No (New)	Date of IN-PR/RECEIPT	Amount to be paid / Amount Paid (INR)	Payment Status	Payment Detail	Demand Letter
1	3.50 MWTPA Alumina Refinery with 150 MW co-generation Power Plant at Kharakpada in Rayachoti district, Odisha by M/s Hindalco Industries Limited-Aditya Alumina Refinery Project	26045452000352	6295465352	09 Dec 2023	CA: 10992300/- POC: 0/- Safety Zone: 0/- HPP: 1427542/- Sewerage of Kharakpada Forest Division: 2500000/- Other Charges: 0/- Total: 8512542/-	Paid	Fund Demanded Verified by Fiscal Officer On Bank Name Mode of Payment Challan Generated On Transaction Date :17 Feb 2024 Union Bank Of India (NEFT/RTGS (Challan)) :17 Feb 2024 :21 Feb 2024	Demand Letter Generated Letter Generated Challan
2	1.50 MWTPA Alumina Refinery with 150 MW co-generation Power Plant at Kharakpada in Rayachoti district, Odisha by M/s Hindalco Industries Limited-Aditya Alumina Refinery Project	26045452000489	6295465489	09 Dec 2023	CA: 22175400/- POC: 0/- Safety Zone: 0/- HPP: 22175400/- Other Charges: 0/- Other Charges: 0/- Total: 22175400/-	Paid	Fund Demanded Verified by Fiscal Officer On Bank Name Mode of Payment Challan Generated On Transaction Date :31 Jan 2024 Union Bank Of India (NEFT/RTGS (Challan)) :31 Jan 2024 :05 Feb 2024	Demand Letter Generated Letter Generated Challan



TO WHOM SO EVER IT MAY CONCERN

This is to confirm that we have RTGS the below mention funds favour of ORISSA CAMPA by debiting A/c no-914020052756577 of Hindalco Industries Limited.

Details of the fund transfer are as follows:

Transfer Amount : RS 8,91,35,242 /-

Date of Transfer : 21.02.2024

TRAN No : AXISP00472940114

IFSC Code : UBIN0996335

Yours faithfully

Operation Head

* Transaction done from corporate end



COLLECTORATE, KORAPUT

(REVENUE SECTION)

No. 1125/XXVI-32/2024Dated. 22.05.2024

ORDER

Sub: Sanction of lease of Non-Forest Govt. land measuring to an extent of Ac. 95.14 at Mouza- Pipalpadar under Laxmipur Tahasil in favour of Forest, Environment & Climate Change Department, Govt. of Odisha for Compensatory Afforestation in lieu of forest diverted for establishment of Alumina Refinery with co-generation power Plant at Kansariguda by M/s Hindalco Industries Limited under Laxmipur Tahasil in Koraput District.

In exercise of the power conferred by Govt. of Odisha in Revenue & DM Department upon the Collector, vide their Resolution No-17297, Dated: 15.05.2023, sanction of lease of Non-Forest Govt. land measuring to an extent of Ac. 95.14 at Mouza- Pipalpadar is hereby accorded in favour of Forest, Environment & Climate Change Department, Govt. of Odisha for Compensatory Afforestation in lieu of forest diverted for establishment of Alumina Refinery with co-generation power Plant at Kansariguda by M/s Hindalco Industries Limited in Koraput District under Laxmipur Tahasil as per land schedule given below, subject to the following terms and conditions.

In pursuance of the above Resolution of the Government of Odisha in Revenue & Disaster Management Department, the user agency has to pay premium / land cost. The same is calculated as detail below.

LAND SCHEDULE

Mouza	Khata No.	Plot No.	Kissam	Total Extent (in Ac.)	Area applied (in Ac.)
Pipalpadar	76	72	Pahad	46.80	20.28
		73		41.10	38.60
		74		36.25	33.95
		3		18.65	2.31
	Total	(04 Nos)		142.80	95.14


AMOUNT PAYABLE

Sl. No.	Item	Amount (In Rs.)
1	Premium @ ₹1,10,000/- per acre for Ac.95.14 (=₹1,10,000/- X Ac.95.14)	₹1,04,65,400.00
	Grand Total	₹1,04,65,400.00

(Rupees One crore four lakh sixty five thousand four hundred) only

TERMS AND CONDITIONS

1. The land shall not be sub-leased/let out or otherwise disposed of without prior permission of the Revenue & Disaster Management Department, Odisha.
2. Deviation of any of the conditions of the lease shall result in immediate reversion of the land to the Govt. in Revenue & Disaster Management Department, Odisha free from all encumbrances without payment of any compensation for the structure, if any, erected on the land or for any improvement that might have been made there to.
3. The lessee shall mark the boundaries of the land and keep the same free from encroachment and litigation and will not cause obstacle to the public.
4. The user agency shall, after receipt of the communication, make payment of the cost of the land in the appropriate head of account of R & DM Department, Odisha and submit a copy of the documentary evidence of such payment to the Collector. The concerned Tahasildar shall mutate the land in the name of the Forest, Environment & Climate Change Department, Govt. of Odisha.


Collector, Koraput

Memo No. 1126 /XXVI-32/2024

Dated. 22.05.2024

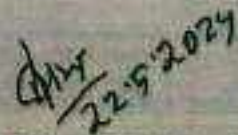
Copy submitted to the Additional Secretary to Govt., Revenue and Disaster Management Department, Odisha, Bhubaneswar / Secretary, Board of Revenue, Odisha, Cuttack/ Secretary to RDC (SD), Odisha, Berhampur for favour of kind information.


Additional District Magistrate,
Koraput

Memo No. 1127 /XXVI-32/2024

Dated. 22.05.2024

Copy submitted to the Additional Secretary to Govt., Forest, Environment & Climate Change Department, Odisha, Bhubaneswar for favour of kind information and necessary action.


Additional District Magistrate,
Koraput

Memo No. 1128 /XXVI-32/2024

-3-

Dated. 22.05.2024

Copy forwarded to the Sub-Collector, Koraput for information and necessary action.

Copy along with Lease Case Record bearing No-01/2024 sent herewith to the Tahasildar, Laxmipur for information and necessary action. She/He is directed to take immediate action for mutation of the applied land in the name of Forest, Environment & Climate Change Department, Govt. of Odisha as per sanction and handover the possession to the DFO, Koraput Forest Division, Koraput on proper acknowledgement.

22.5.2024

Additional District Magistrate,
Koraput

Memo No. 1129 /XXVI-32/2024

Dated. 05.2024

Copy forwarded to the DFO, Koraput Forest Division, Koraput for information and necessary action.

Copy forwarded to the M/s Hindalco Industries Limited for information and necessary action.

Copy to Guard File.

22.5.2024

Additional District Magistrate,
Koraput

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that we have RTGS the below mention funds favour of ORISSA CAMPA by debiting A/c no-914020052756577 of Hindalco Industries Limited.

Details of the fund transfer are as follows:

Transfer Amount : RS 8,91,35,242 /-

Date of Transfer : 21.02.2024

TRAN No : AXISP00472940114

IFSC Code : UBIN0996335

Yours faithfully

Operation Head

* Transaction done from corporate end





**OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS (WILDLIFE)
& CHIEF WILDLIFE WARDEN, ODISHA**

Government of Odisha, Forest, Environment & Climate Change Department

PRAKRUTI BHAWAN, PLOT NO.1459, SAHEED NAGAR, BHUBANESWAR- 751007

Phone: 0674-2602250, Website: www.wildlife.odisha.gov.in, Email: odishawildlife@gmail.com

CORRIGENDUM

The addressee of this office Letter No.10726 dt 25.11.2022 wherein the approval of the Site Specific Wildlife Conservation Plan in respect of the project "Establishment of Alumina Refinery plant at Kansariguda by M/s Hindalco Ltd.-Aditya Alumina Refinery Project" has been communicated to the user agency, may be read as -

Dr. Rama Chandra Rout, Assistant Vice President – Corporate Affairs, M/s Hindalco Industries Ltd. (Aditya Alumina Refinery Project), J6, Jayadev Vihar, Bhubaneswar - 751013

[Signature] 04/01/2023

Conservator of Forests (Eco-Tourism)

Memo. No. 290 / CWLW-FDWC-FD-0048-2022
Bhubaneswar, Dated the 06 January, 2023

Copy forwarded for information and necessary action to -

- ✓ 1. Dr. Rama Chandra Rout, Assistant Vice President – Corporate Affairs, M/s Hindalco Industries Ltd. (Aditya Alumina Refinery Project), J6, Jayadev Vihar, Bhubaneswar – 751013 with reference to this office Letter No.10726 dt 25.11.2022 addressed to M/s Aditya Alumina, M&R Site J-6, Jaydev Vihar, Bhubaneswar-751013
2. OSD-cum-Special Secretary to Government of Odisha, FE&CC Department, Bhubaneswar with reference to this office Memo No.10727 dt 25.11.2022
3. PCCF (FD & NO, FC Act), O/o the PCCF & HoFF, Odisha with reference to this office Memo. No.10727 dt 25.11.2022
4. Regional Chief Conservator of Forests, Koraput Circle with reference to this office Memo. No.10727 dt 25.11.2022
5. Divisional Forest Officer(s), Rayagada/ Koraput Division with reference to this office Memo. No.10727 dt 25.11.2022

[Signature] 04/01/2023

Conservator of Forests (Eco-Tourism)





**OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS (WILDLIFE)
& CHIEF WILDLIFE WARDEN, ODISHA**

Government of Odisha, Forest, Environment & Climate Change Department

PRAKRUTI BHAWAN, PLOT NO.1459, SAHEED NAGAR, BHUBANESWAR- 751007

Phone: 0674-2602250, Website: www.wildlife.odisha.gov.in, Email: odishawildlife@gmail.com

No. 10726 /CWLW-FDWC-FD-0048-2022
Bhubaneswar, Dated the 28 November, 2022

To

✓ M/s Aditya Alumina, M&R Site
J-6, Jaydev Vihar, Bhubaneswar-751013

Sub: Proposal for diversion of 38.062 ha of forest land (23.153 ha in Koraput Division and 14.909 ha in Rayagada Division) for establishment of Alumina Refinery plant at Kansariguda by M/s Hindalco Ltd.- Aditya Alumina Refinery Project - Approval of Site Specific Wildlife Conservation Plan.

Sir,

I am directed to convey the approval of PCCF (WL) & CWLW, Odisha for the Site Specific Wildlife Conservation Plan at financial outlay of ₹505.50 lakh (Rupees Five crore five lakh fifty thousand) only as per the details of activities mentioned in Chapter VI of the plan in compliance to Generic ToR No.5(v) stipulated in letter No.F.No. J-11011/141/2004-IA, II(I) dt 14.12.2020 of MoEF&CC (IA Divn.), New Delhi.

(a)	In project impact area in Rayagada Division	₹250.350 lakh
(b)	In project impact area in Koraput Division	₹255.150 lakh
Total:		₹505.500 lakh

A sum of ₹505.50 lakh shall be deposited in State CAMPA fund only through e-portal (<https://parivesh.nic.in/>) for implementation of various activities within the project impact area by the Forest Department through concerned DFOs.

2. Activities in the project area as per Chapter-IV of the Plan will be executed by the project proponent under the guidance of DFO, Rayagada Division.

3. The plan period is five years and will be revisited by concerned DFOs at least one year before expiry on its implementation. The User Agency will bear the cost of such plan on its approval. Further the User Agency will bear additional cost, if any, towards enhancement of wage rate and escalation of price of materials at the time of implementation of this plan. In case of any deviation, it will be dealt as per law for violations of Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 and Wildlife (Protection) Act, 1972.

Encl: Copy of approved Plan

Yours faithfully


Conservator of Forests (Eco-tourism)

P.T.O.



Memo No. 10727 /dt 25/11/2022

Copy forwarded for information and necessary action to:

1. OSD-cum-Special Secretary to Government of Odisha, FE&CC Department
2. PCCF (FD & NO, FC Act), O/o the PCCF & HoFF, Odisha
3. Regional Chief Conservator of Forests, Koraput Circle with reference to his office Memo.No.3599 dt 02.11.2022
4. Divisional Forest Officer(s), Rayagada/ Koraput Division along with copies of approved SSWLCP


Conservator of Forests (Eco-tourism)

Revised.

Site Specific Wild Life Conservation Plan

For

M/s Hindalco Industries Limited

Aditya Alumina Refinery Project (HIL-AARP)

Kansariguda, Dist. Rayagada, Odisha



**RAYAGADA & KORAPUT FOREST DIVISIONS
FOREST & ENVIRONMENT DEPARTMENT,
GOVERNMENT OF ODISHA.**



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EXECUTIVE SUMMARY

The Project proponent M/s M/s Aditya Aluminium Limited, submitted proposal for Environmental Clearance for setting up Alumina Refinery Plant at Kansariguda, Kashipur Tehsil in the district of Rayagada. However some other components of the project such as Red mud Pond Ash Pond etc. extend over to the district of Koraput.

Accordingly the Government of India in their Ministry of Environment Forest and Climate Change Letter F. No. IA-J-11011/141/2004-IA-II(I), dated 14th December, 2020 have prescribed the ToR.

This area falls within Rayagada Forest Division of Rayagada district and Koraput Forest Division of Koraput District.

Total area involved in the project is 859.83 ha. which include forest land of 38.061 Ha..

This area can be located on Survey of India Topo-sheet No. E44E5 & E44F4.

The commonly found fauna in the area are: Sloth Bear, Monitor Lizard, Python, Spotted Deer, Barking Deer, Wild Pig, Hyena, Jackal, Indian Hare, Palm Squirrel, Hanuman Langur and small Indian Mongoose etc. Elephants are occasional visitors. Birds seen in this area are Parakeets, Spotted Dove, Crow, House Sparrow, Crow Pheasant, Blue Jay, Black Drongo, Spotted Owlet, Spotted Munia etc. Reptiles that are commonly reported are Python, Cobra (*Naja naja*), Rat Snake, Sand Boa, House Geko, Keel Back, etc.

The rainfall and temperature are moderate.

Human-animal conflict has been noticed at low rate.

However, due to the implementation of the project the vehicular movement and human movement will increase in the area.

The project proponent has been asked to prepare a Site Specific Wildlife Conservation Plan.

The important measures envisaged to mitigate the negative impacts arising due to project implementation are as follows: -

Project Area Steps by the Project Proponent:

Construction Phase



During construction phase general measures will be taken to reduce pollution. However, this phase is a temporary phase and after completion of construction activities this phase will be over.

Operation Phase

During operation phase steps will be taken to:

The following steps are proposed in the Environment Management Plan; hence no cost is suggested.

- a. Control of Water Pollution.
- b. Control of Air Pollution.
- c. Control of Noise Pollution.
- d. Measures to maintain Ecology. (Green belt plantation over 33% of the area.)

Project Impact Area: Steps to be taken by Forest Department with the funds provided by the project proponent:

Rayagada Forest Division

1. Two nos of Game tanks to be dug within the impact area at a cost of Rs.24.00 lakhs.
 2. Engagement of 10 persons as Forest Protection Force (Squad) for a period of 5 years. This force will be deployed throughout the year. Total cost Rs.103.625 lakhs.
 3. GPS, Android Mobile /VHF sets and other equipments for smart patrolling by the Squad. The amount proposed is Rs. 5.00 lakh.
 4. Camera Traps will be procured for Rs.5.00 lakhs.
 5. Creation of awareness among the local people for conservation forest and wildlife in the area. Rs.20.00 lakhs is proposed.
 6. Cattle Immunization will be done for Rs.1.00 lakh.
 7. For Monitoring and Evaluation, development of Arboretum and Medicinal Plant Garden at Tikiri and Miscellaneous expenses an amount of Rs.50.00 lakhs is proposed.
 8. 20% escalation cost is also provided for unforeseen expenditures
- Total cost for Rayagada Forest Division is Rs.250.350 lakhs

Koraput Forest Division

1. Two nos of Game tanks to be dug within the impact area at a cost of Rs.24.00 lakhs.
2. Engagement of 10 persons as Forest Protection Force (Squad) for a period of 5 years. This force will be deployed throughout the year. Total cost Rs.103.625.
3. GPS, Android Mobile /VHF sets and other equipments for smart patrolling by the Squad . The amount proposed is Rs. 5.00 lakh.
4. Camera Traps will be procured for Rs.5.00 lakhs.
5. One Camp shed/ Watch Tower to be constructed, along with facilities of drinking water and Solar lighting, Generator Set etc. Proposed cost is Rs.25.00 lakhs.
6. Creation of awareness among the local people for conservation forest and wildlife in the area. Rs.19.00 lakhs is proposed.
7. Development of GIS Cell at Division Office. Rs.20.00 lakhs.
8. Cattle Immunization will be done for Rs.1.00 lakh.
9. For Monitoring and Evaluation and Miscellaneous expenses an amount of Rs.10.00 lakhs is proposed.
10. 20% escalation cost is also provided for unforeseen expenditures

Total cost for Koraput Forest Division is Rs.255.150 lakhs

The proposed cost for Rayagada Forest Division is Rs.250.350 lakhs and for Koraput Forest Division is Rs.255.150 lakhs and the total cost is Rs.505.50 lakhs.

This plan is being prepared for 5 years and may be revised thereafter considering the changes which may take place in the forest in question after implementation of this plan.

The total allocation of funds during the plan period is Rs.505.50 lakhs, which shall be deposited with the Forest department/D.F.O. Rayagada and Koraput Forest Divisions for execution of different works within the project impact area.



CHAPTER- I

INTRODUCTION

It shall cover brief description of the project, its cost, location (beat, section, range in addition to district, block, GP etc.), nature and extent of land required. Conditions imposed in Stage-I or EC regarding SSWLCP.

Project description:

M/s Hindalco Industries Limited - Aditya Alumina Refinery Project (HIL-AARP) intends to set up an integrated Alumina Refinery Complex at Kansarigurha Village in Kashipur Tehsil of Raygada District in Odisha. The total area of the project site is 859.84 ha. The Alumina Refinery Plant, Co-generation power plant, R&R Colony-1 and Skill development center are located in Raygada District. The proposed ash pond, Red mud pond and R&R Colony-2 are located in Koraput District.

The proposed production capacity of the refinery is 3 MTPA Alumina with co-generation of electric power through setting up of a Captive Power Plant of 150 MW capacity adjacent to the refinery plant. The Alumina Refinery Complex will also include a red mud pond, an ash pond, conveyor systems for transportation material as associated facilities within the project site.

The proposed project is a Greenfield project envisaged by Hindalco Industries Ltd. (HIL). The project was earlier accorded Environmental Clearance (EC) vide Lr. No. J-1101/141/2004/IA.II dated 18th March 2006. As per the EC received on 2006, the project was permitted for establishment of 1.0 MTPA capacity Alumina Refinery Plant and a Co-generation power plant of (3×25 MW) 75 MW output capacity. However, no activity was initiated at the project site and the validity period of the EC has lapsed.

Later, online application (for award of Terms of Reference (ToR) for fresh Environmental Clearance) was submitted to MoEF&CC for Alumina Refinery of production capacity of 3.00 MTPA Alumina output and Co-generation Power Plant of capacity (5×30MW) 150 MW. The aforesaid proposal after required clarifications for issuance of ToR was considered in the 25th meeting of the Re-constituted EAC (Industry-I) held between 25th to 27th November, 2020. Further, upon recommendation of the EAC, the ToR was issued to HIL vide Letter No. J-11011/141/2004-IA. II (I) dated 14th December, 2020.

Nature of the Project

Kansariguda, Dist: Raygada



As per the Environment Impact Assessment (EIA) Notification dated 14th September 2006, the proposed aluminum refinery project falls under 'Category A' with project type number '3(a)', which requires preparation of EIA Report to get EC from the MoEF&CC.

Size and Magnitude of Operation

The total area of the proposed plant is 859.84ha out of which 220 ha area of land will be utilized for core plant purpose for setting up of various facilities viz., refinery, power plant and associated facilities, storage area, crushing unit etc.

The present proposal is for 3.0 MTPA of alumina refinery along with co-generation power plant of 150 MW to meet the needs of Hindalco, in the allocated premises and others.

Other than the core plant set-up, the total land required for the project includes the following establishments as part of the project development:

- Ash Pond;
- Red Mud Pond;
- Water Pipeline Corridor;
- Conveyer Belt Corridor;
- R&R Colony;
- Skill Development Centre;
- Green Belt Development Area; and
- Miscellaneous Development Activities Area.

Cost of the proposed project

The total cost of the composite project is Rs.11,000/- Crores. The breakup is as follows:

Description	Amount (Rs Crores)
Alumina Refinery	7,500
Bauxite Residue Filtration and Storage	850
Ash Pond	100
Co-generation Power Plant	900
Mines	100
Infrastructure	600
R&R	100
Technology	300
Owner	400
Contingency	150
Total	11,000



1.3.3 Location of the Project

The proposed alumina refinery plant site is located at Kansarigurha village of Kashipur tehsil at a distance of about 33 km, W from Rayagada district headquarter of Odisha state. The nearest railway station is Singaram, about 1.6 km, SE. The plant site is well connected by road from Rayagada. The plant falls in Survey of India Topo-sheet No. E44E16 & E44F4.

Geographical location of the project site can be described as follows:

Sl. No.	Project	Co-ordinates		
		Lat / Long	From	To
1	Plant Site	Latitude	19° 06' 16" N	19° 07' 29" N
		Longitude	83° 04' 36" E	83° 06' 10" E
2	Red Mud Pond Site	Latitude	19° 03' 04" N	19° 04' 19" N
		Longitude	83° 05' 10" E	83° 06' 14" E
3	Ash Pond Site	Latitude	19° 05' 22" N	19° 05' 53" N
		Longitude	83° 05' 38" E	83° 06' 30" E
			Latitude	Longitude
4	Skill Development Centre		19° 07' 20.48" N	83° 04' 32.37" E
5	R&R Colony-1		19° 07' 52.17" N	83° 04' 15.32" E
6	R&R Colony-2		19° 05' 14.42" N	83° 06' 14.68" E

The Project Area

District and State - Rayagada & Koraput districts of Odisha

Tehsil : Kashipur of Rayagada and Laxmipur of Koraput

Forest Division - Rayagada Forest Division and Koraput Forest Division.

Forest Range - Tikiri Forest Range and Laxmipur Forest Range, Tikiri Forest Section and Tikiri Forest Beat.

Nearest Railway Line : Koraput-Rayagada section of South-Eastern Railway (SER) (0.5 km, E)

Nearest Railway Station : Singaramba (1.6 km, SE)

Nearest Highway : SH-44, 6.0 km, NE,
SH-4, 8.5 km, SE

Nearest Airstrip/Airport : Jeypore Airstrip: 60.0 km, SW
Visakhapatnam Airport: 152 km, S

Nearest Sea port : Vizag port: 170 km, S

Nearest Village : Proposed plant site is located at Kansarigurha;

Kansariguda, Dist: Rayagada



- The villages nearest to the project site are:
- Pahandi village (0.2 km, W)
 - Karhapadar Village (adjacent to the south boundary of the project site)
 - Phulajab (0.2 km, East)

Nearest Town .. Tikiri , 6 km, N,

District HQ : Rayagada – 33 Kms

Maximum elevation above MSL .. 840 m

Nature and extent of land required

The land required for different components are:

1	Core Plant Area	220.00 Ha.
2	Ash Pond	45.00 Ha.
3	Red Mud Pone	185.00 Ha
4	Water Pipeline Corridor	21.52 Ha
5	Conveyor Corridor	14.65 Ha.
6	R. R. Colony	30.36 Ha
7	Skill Development Centre	20.24 Ha
8	Green Belt (33%)	283.75 Ha.
9	Misc.	39.4 Ha.
	TOTAL	859.84 Ha.

Type of Land

Name of Village/RF	Forest Land (Ha)				Non-forest Land (Ha)	Total project land (Ha)
	Reserve Forest	PRF	Revenue Forest	Total forest land		
Rayagada Forest Division / Rayagada District						
Phuljuba	0	0	0	0	80.478	80.478
Podapadi	0	0	0	0	16.548	16.548
Kansariguda, Tikiri RI circle	0	0	6.159	6.159	226.042	232.201
Puhundi	0	0	0.227	0.227	95.293	95.520
Kindripadar	0	0	0.142	0.142	0.716	0.858
Panchali	0	0	0.073	0.073	2.355	2.428
Punjiguma	0	0	0	0	0.919	0.919
Kapadanga	0	0	0.162	0.162	1.303	1.465
Toyaput	0	0	0.591	0.591	1.056	1.647
Sankarda	0	0	0	0	1.938	1.938
Kansariguda, Podapadi RI circle	0	0	0.198	0.198	0.425	0.623
Kindripadar RF	1.999		0	1.999	0	1.999
Sankarda RF	0.445		0	0.445	0	0.445
Kodinga PRF		4.913		4.913		4.913

Kansariguda, Dist: Rayagada

8

Sub Total	2.444	4.913	7.552	14.905	427.074	441.982
Koraput Forest Division / Koraput District						
Singaram	0	0	0.190	0.190	60.352	60.542
Biriguda	0	0	14.868	14.868	72.647	87.515
Rajan-Panasguda	0	0	8.094	8.094	194.812	202.906
Bhalujodi	0	0	0	0	58.608	58.608
Kutiniguda	0	0	0	0	8.276	8.276
Sub Total	0.000	0	23.152	23.152	394.695	417.846
Grand Total	2.444	4.913	30.704	38.062	821.768	859.830

Ecological Sensitivity of the location of the Project

There is no Wildlife sanctuary, National Park or any other Protected Area/ eco sensitive zone within impact area or nearby, such as Biosphere reserve, Tiger reserve, Elephant reserves in the vicinity within the Impact area.

Status of Environmental Clearance

The Government of India in their Ministry of Environment, Forest and Climate Change Letter : F.No.J-11011/141/2004-IA.II(I), Dated 14th December, 2020 prescribed the following conditions.

In the said letter, under General Terms of Reference, point No.5.iv. reads: "The project to be located within 10 kms of National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon."

Point No. 5.v. of the said ToR reads "Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area."

CHAPTER - II

Project and Impact Area – Description of the project area and its impact area covering location, land use, human habitations, flora fauna, forests, other habitats and movement patterns of the mega fauna, Wildlife corridors, HWC details in the area. Other projects or their impact area in the impact area of the project proposed.

Description of the project area

Total land required for the Project area is 859.830 ha.

The classification of the project area land can be described as follows:

Sl. No	Land Classification	Extent of land in Ha.		
		Rayagada Dist.	Koraput Dist.	Total
1	Reserve Forest	2.444	0	2.444
2	PRF	4.913	0	4.913
3	Revenue Forest	7.552	23.152	30.704
	Total forest land	14.909	23.152	38.061
4	Non-forest Land	427.074	394.695	821.769
	Total Land	441.982	417.846	859.830

The core Plant area of 220 Ha. is almost flat The other areas are undulating.

1	Core Plant Area	220.00 Ha.
2	Ash Pond	45.00 Ha.
3	Red Mud Pone	185.00 Ha.
4	Water Pipeline Corridor	21.52 Ha.
5	Conveyor Corridor	14.65 Ha.
6	R . R. Colony	30.36 Ha.
7	Skill Development Centre	20.24 Ha.
8	Green Belt (33%)	283.75 Ha.
9	Misc.	39.31 Ha.
	TOTAL	859.83 Ha.

The Latitude and Longitude of the areas have been mentioned earlier.

The Drainage takes place in the north through some seasonal nalas which ultimately drains in to Nagavali River.

Description of the impact area

The impact area of 10 km radius extends over parts of Koraput district. The area is undulating and presence of scattered hillocks.

Forests in the Impact Area

Sl No.	Name of the Forest Block	Distance from project area	Location
1	Karhingra PF	1.0 km	South
2	Kendripadar RF	1.6 km	East
3	Titigurha RF	2.8 km	North-East
4	Baghmari PF	3.5 km	South-East
5	Bariguma PF	3.5 km	East
6	Masimandi PF	4.8 km	North-West
7	Shankararha RF	5.4 km	North-East
8	Sargighati PF	5.9 km	South-East
9	Kutil PF	7.5 km	East
10	Minaharu PF	8.2 km	ENE
11	Dhamanaganda PF	9.4 km	South-East
12	Kutinga PF	9.6 km	South-East
13	Karajhol PF	9.6 km	North-East
14	Champi RF	11.4 km	SSW
15	Rapukana PF	11.6 km	East
16	Kumbhikota PF	14.2 km	South-East

Land use pattern of the Impact area:

The following are the main interpreted land use/land cover classes of the Impact area:

Sr. No.	Land use	Area (Sq. km)	%
1	(Built- Up Land) Settlement	14.615	3.7
2	Waterbodies (Tank / River etc.)	17.775	4.5
3	Forest (Scrub forest)	56.88	14.4
4	Cultivated Land	162.345	41.1
5	<u>Wastelands</u>		
	A. Land with scrub	107.045	27.1
	B. Sheet rock area	5.135	1.3
	C. Mining area	14.22	3.6
	D. Stone quarry	1.975	0.5
	E. Stony waste area	15.01	3.8
Total		395	100



Water bodies

The Water bodies present within the impact area are:

1. Patagarhanala adjacent to project site, North;
2. Poragar Nadi, 8.2 km North;
3. Baghri Nala 9.8 km, West;
4. Chikamb Nala 12.9 km, West.

Other Projects:

1. Kodingamali bauxite mine, 1 km, S;
2. Utkal Alumina International Limited, Alumina Refinery (Existing 1.7 MTPA)- 8.1 km, NW.

Topography:

The area under consideration is a hilly tract. The average altitude in the hilly region ranges between 600 m to 800 m above mean sea level with the highest of 1213 m. The plant site falls under Rayagada District. The area comes under Eastern ghat region.

The general topography of Patagarha basin is undulating in nature having high mountain ridges covered with good forest. The streams originating from the area traverses a length of 56 km, and joins river Nagavalli at Raygada at an Elevation of 345 m.

Temperature

The winter season starts from December and continues till the end of February. December is the coolest month with the mean daily maximum temperature at 24.9°C and the mean daily minimum temperature at 11.4°C. Both the night and day temperatures increase rapidly during the onset of the pre-monsoon season from March to May. During pre-monsoon the mean maximum temperature (May) was observed to be 34.2°C with the mean minimum temperature at 22.2°C.

Relative Humidity

The air is generally very humid in the region especially during the monsoon when the average relative humidity is around 85% with a maximum 90%.

Rainfall

The average annual rainfall based on the 10 year data, was observed to be 1647.8 mm. The monsoon sets in the month of June and continues till October. The average rainfall observed during the monsoon season was

336.2 mm. The maximum number of rainy days occur in the month of August. Monthly variations in the rainfall for past 10 years are given in

Drainage: The topography of Patagarha basin is undulating in nature having high mountain rides covered with good forest. The river from its origin at E.L. 1100 m. Traverses a length of 56 km, and joins river Nagavalli Raygada at an Elevation of 345 m.

The last stretch of patagarha Nadi assumes the name Raniiturga after its confluence with Dhalighat Nadi. The plant area is inside the Nagavalli River basin and its tributaries of south Odisha as well as that of north coastal Andhra Pradesh.

Demographic profile:

There are several settlements in the surroundings of ten kilometer radius within two districts Rayagada and Koraput in the State of Odisha. The impact area falls within Kashipur CD Block of Rayagada District and Laxmipur C D Block of Koraput district. The demographic profile of these CD Blocks can be described as follows as per 2011 Census.

Sl. No.	Description	Kashipur C D Block	Laxmipur C D Block
1	Area in Km ²	484.82	311.18
2	No. of House Holds	34580	16178
3	Total population	140633	66621
4	Male population	68291	32550
5	Female population	72342	34071
6	Total Scheduled Cast population	29403 (20.9%)	9656 (14.49%)
7	Scheduled Cast Male	14375	4800
8	Scheduled Cast Female	15028	4856
9	Total Scheduled Tribe	84357 (59.98%)	46745 (70.16%)
10	Scheduled Tribe Male	40522	22385
11	Scheduled Tribe Female	43335	24360
12	Total Literate	43660 (31%)	23747 (35.64%)
13	Male Literate	28438	14848
14	Female Literate	15222	8899

15	Total Workers	70650	33334
16	Male Workers	36615	18002
17	Female Workers	34035	15332
18	Total Cultivators	16301	7505
19	Male Cultivators	13166	5836
20	Female Cultivators	3135	1669
21	Total Agricultural labourers	7321	4631
22	Male Agricultural labourers	4927	2571
23	Female Agricultural labourers	2394	2060
24	Total H H Industry workers	380	211
25	Male H H Industry workers	289	155
26	Female H H Industry workers	91	56

FLORA & FAUNA

The project area doesn't come within any National Park, Wild Life Sanctuary, Elephant Reserve, Biosphere Reserve or any critical wildlife habitat. There is no Elephant corridor near the project area.

But the project area extends over parts of Reserved Forest. Hence the Flora and Fauna of the project area and impact area are almost same. The list is given below:

FLORA:

Botanical Name	Common Name	Family
TREES		
<i>Acacia auriculiformis</i>	Australian Wattle	Mimosaceae
<i>Acacia nilotica</i>	Babul	Mimosaceae
<i>Aegle marmelos</i>	Bel	Rutaceae
<i>Ailanthus excelsa</i>	Maharukh	Simarubaceae
<i>Albizia lebbek</i>	Kala-siris	Mimosaceae
<i>Albizia odoratissima</i>	Chichwa	Mimosaceae
<i>Albizia procera</i>	Safed-siris	Mimosaceae
<i>Anacardium occidentale</i>	Cashew nut	Anacardiaceae
<i>Anogeissus latifolia</i>	Dhaora	Combretaceae
<i>Anogeissus pendula</i>	Kardhai	Combretaceae
<i>Artocarpus integrifolia</i>	Jack fruit	Moraceae
<i>Azadirachta indica</i>	Neem	Meliaceae
<i>Bauhinia purpurea</i>	Keolar	Caesalpiniaceae
<i>Bauhinia racemosa</i>	Asta	Caesalpiniaceae
<i>Bauhinia retusa</i>	Sehra	Caesalpiniaceae
<i>Bauhinia variegata</i>	Kachnar	Caesalpiniaceae
<i>Bombax malabaricum</i>	Semal	Bmbacaceae
<i>Borassus flabellifer</i>	Taad	Arecaceae

Kansariguda, Dist: Rayagada



Botanical Name	Common Name	Family
<i>Boswellia serrata</i>	Salai	Burseraceae
<i>Bridelia retusa</i>	Kasai	Euphorbiaceae
<i>Buchanania lanzan</i>	Chironji tree	Anacardiaceae
<i>Butea monosperma</i>	Palas	Fabaceae
<i>Casearia graveolens</i>	Gilchi	Salicaceae
<i>Casearia tomentosa</i>	Tondri	Salicaceae
<i>Cassia fistula</i>	Amaltas	Samyaceae
<i>Chloroxylon swietenia</i>	Bhirra	Meliaceae
<i>Cleistanthus collinus</i>	Garari	Euphorbiaceae
<i>Cochlospermum gossypium</i>	Galgai	Bixaceae
<i>Cocos nucifera</i>	Coconut	Arecaceae
<i>Cordia myxa</i>	Lasora	Boraginaceae
<i>Crateva religiosa</i>	Bama	Capparidaceae
<i>Dalbergia sissoo</i>	Sissoo	Fabaceae
<i>Dichrostachys cinerea</i>	Velati	Mimosaceae
<i>Diospyros melanoxylon</i>	Tendu	Ebenaceae
<i>Diospyros montana</i>	Bistendu	Ebenaceae
<i>Dolichandrone falcata</i>	Medhsingh	Bignoniaceae
<i>Ehretia laevis</i>	Datranga	Boraginaceae
<i>Erythrina suberosa</i>	Pangra	Fabaceae
<i>Eucalyptus hybrid</i>	Eucalyptus	Myrtaceae
<i>Eucalyptus tereticornis</i>	Eucalyptus	Myrtaceae
<i>Euphorbia nivulia</i>	Sehund	Euphorbiaceae
<i>Euphorbia tirucalli</i>	Niwarang	Euphorbiaceae
<i>Feronia elephantum</i>	Kaith	Rutaceae
<i>Ficus bengalensis</i>	Bar	Moraceae
<i>Ficus religiosa</i>	Pipal	Moraceae
<i>Flacourtia indica</i>	Kakai	Salicaceae
<i>Gardenia latifolia</i>	Papra	Rubiaceae
<i>Gardenia resinifera</i>	Dikamali	Rubiaceae
<i>Garuga pinnata</i>	Kekad	Burseraceae
<i>Gmelina arborea</i>	Gamari	Verbenaceae
<i>Grewia tiliaefolia</i>	Dhaman	Tiliaceae
<i>Holoptelea integrifolia</i>	Chirol	Ulmaceae
<i>Ixora parviflora</i>	Lokhandi	Rubiaceae
<i>Kydia calycina</i>	Pula	Malvaceae
<i>Lagerstroemia parviflora</i>	Seja	Lythraceae
<i>Limonia acidissima</i>	Bilsena	Rutaceae
<i>Madhuca longifolia</i>	Mahua	Sapotaceae
<i>Mallotus philippinensis</i>	Roli	Euphorbiaceae
<i>Mangifera indica</i>	Aam	Anacardiaceae
<i>Mimusops hexandra</i>	Khimi	Sapotaceae
<i>Morinda tinctoria</i>	Aal	Rubiaceae
<i>Murraya exotica</i>	Madhukamini	Rutaceae
<i>Murraya koenigii</i>	Mithinim	Rutaceae
<i>Odina woder</i>	Jhingan	Anacardiaceae
<i>Ougeinia oojeinensis</i>	Tinsa	Fabaceae
<i>Phyllanthus emblica</i>	Aonla	Phyllanthaceae

Botanical Name	Common Name	Family
<i>Pongamia pinnata</i>	Karanj	Fabaceae
<i>Prosopis cineraria</i>	Chenkur	Mimosaceae
<i>Prosopis juliflora</i>	Khejra	Mimosaceae
<i>Pterocarpus marsupium</i>	Bijasal	Fabaceae
<i>Randia dumetorum</i>	Mainphal	Rubiaceae
<i>Randia uliginosa</i>	Katul	Rubiaceae
<i>Salvadora oleoides</i>	Pilu	Salvadoraceae
<i>Sapindus laurifolius</i>	Ritha	Sapindaceae
<i>Schleichera trijuga</i>	Kusum	Oleaceae
<i>Schrebera swietenoides</i>	Mokha	Oleaceae
<i>Semecarpus anacardium</i>	Bhilma	Anacardiaceae
<i>Shorea robusta</i>	Sal	Dipterocarpaceae
<i>Simarouba glauca</i>	Paradise Tree	Simaroubaceae
<i>Soymida febrifuga</i>	Rohan	Meliaceae
<i>Spondias mangifera</i>	Amra	Anacardiaceae
<i>Stephegyne parvifolia</i>	Kaim	Rubiaceae
<i>Sterculia urens</i>	Kulu	Sterculiaceae
<i>Streblus asper</i>	Majni	Moraceae
<i>Strychnos potatorum</i>	Jahar	Loganiaceae
<i>Syzygium cumini</i>	Jamun	Myrtaceae
<i>Syzygium salicifolium</i>	Kath Jamun	Myrtaceae
<i>Tamarindus indica</i>	Imli	Caesalpiniaceae
<i>Tectona grandis</i>	Saguan (Teak)	Verbenaceae
<i>Terminalia arjuna</i>	Arjun	Combretaceae
<i>Terminalia belerica</i>	Bahera	Combretaceae
<i>Terminalia chebula</i>	Harra	Combretaceae
<i>Terminalia tomentosa</i>	Saj	Combretaceae
<i>Vitex altissima</i>	Peacock Chaste Tree	Verbenaceae
<i>Wendlandia exserta</i>	Tilwan	Rubiaceae
<i>Wrightia tinctoria</i>	Dudhi	Apocynaceae
<i>Wrightia tomentosa</i>	Kalidudhi	Apocynaceae
<i>Zizyphus jujuba</i>	Ber	Rhamnaceae
<i>Zizyphus xylopyra</i>	Ghont	Rhamnaceae
HERBS & SHRUBS		
<i>Adhatoda vasica</i>	Adusa	Acanthaceae
<i>Agave americana</i>	Century Plant	Agavaceae
<i>Agave angustifolia</i>	Mariginata	Agavaceae
<i>Agave cantala</i>	Bombay Aloe	Agavaceae
<i>Alangium salviifolium</i>	Akol	Comaceae
<i>Annona reticulata</i>	Ramphal	Annonaceae
<i>Annona squamosa</i>	Sitaphal	Annonaceae
<i>Antidesma diandrum</i>	Khatua	Euphorbiaceae
<i>Antidesma ghaesembilla</i>	Jondharli	Euphorbiaceae
<i>Argemone mexicana</i>	Mexican Poppy	Papaveraceae
<i>Calotropis gigantea</i>	Giant Milk Weed	Asclepiadaceae
<i>Calotropis procera</i>	Aak	Asclepiadaceae
<i>Chromolaena odorata</i>	Tivra Gandha	Asteraceae
<i>Clerodendron infortunatum</i>	Bhant	Verbenaceae
<i>Clerodendron phlomidis</i>	Inni	Verbenaceae



Botanical Name	Common Name	Family
<i>Colebrookea oppositifolia</i>	Kalabansa	Labiatae
<i>Datura innoxia</i>	Prickly burr	Solanaceae
<i>Datura metel</i>	Hindu Datura	Solanaceae
<i>Datura stramonium</i>	Thorn Apple	Solanaceae
<i>Desmodium pulchellum</i>	Chipti	Fabaceae
<i>Dodonaea viscosa</i>	Kharenta	Sapindaceae
<i>Eriolaena hookeriana</i>	Bhoti	Sterculiaceae
<i>Eugenia heyneana</i>	Kath Jamun	Myrtaceae
<i>Euphorbia neriifolia</i>	Thuar	Euphorbiaceae
<i>Grewia hirsuta</i>	Gursakri	Tiliaceae
<i>Gymnosporia montana</i>	Baikai	Celastraceae
<i>Helicteres isora</i>	Marorphali	Sterculiaceae
<i>Holanthena antidysenterica</i>	Kurchi	Apocynaceae
<i>Indigofera heterantha</i>	Indigo Bush	Fabaceae
<i>Indigofera pulchella</i>	Neel	Fabaceae
<i>Lantana camara</i>	Raimunia	Verbenaceae
<i>Leea macrophylla</i>	Hathikand	Vitaceae
<i>Nyctanthes arbortristis</i>	Harsingar	Verbenaceae
<i>Opuntia dillenii</i>	Nagphani	Cactaceae
<i>Petalidium barlerioides</i>	Indrajata	Acanthaceae
<i>Pogostemon plectranthoides</i>	Kora	Labiatae
<i>Salix tetrasperma</i>	Bainsa	Salicaceae
<i>Strobilanthes callosus</i>	Maruadona	Acanthaceae
<i>Vitex negundo</i>	Nirgundi	Verbenaceae
<i>Vitex trifolia</i>	Nirgundi	Verbenaceae
<i>Waltheria indica</i>	Halduli	Sterculiaceae
<i>Woodfordia fruticosa</i>	Dhawai	Lythraceae
<i>Zizyphus rotundifolia</i>	Jharberi	Rhamnaceae
<i>Zizyphus rugosa</i>	Chuma	Rhamnaceae
CLIMBERS		
<i>Abrus precatorius</i>	Gunja	Mimosaceae
<i>Acacia pennata</i>	Raoni	Mimosaceae
<i>Acacia sinuata</i>	Shikakai	Mimosaceae
<i>Bauhinia vahlii</i>	Siali	Caesalpinjiaceae
<i>Caesalpinia bonducella</i>	Sagargoti	Caesalpinjiaceae
<i>Calycopteris floribunda</i>	Kukaranj	Combretaceae
<i>Clematis gouriana</i>	Indian Traveler's Joy	Ranunculaceae
<i>Combretum decandrum</i>	Pivarbel	Combretaceae
<i>Combretum ovalifolium</i>	Hathisandan	Combretaceae
<i>Combretum roxburghii</i>	Paibal / Punk	Combretaceae
<i>Cryptolepis buchanani</i>	Nagbel	Asclepiadaceae
<i>Cuscuta reflexa</i>	Amarbel	Convolvulaceae
<i>Dioscorea dremona</i>	Baichandi	Dioscoreaceae
<i>Gymnema sylvestre</i>	Gudmar	Asclepiadaceae
<i>Hiptage benghalensis</i>	Madhavilatha	Malpighiaceae
<i>Ichnocarpus frutescens</i>	Dhimarbel	Apocynaceae
<i>Marsdenia tenacissima</i>	Chikti	Asclepiadaceae
<i>Millettia auriculata</i>	Gauj	Fabaceae
<i>Mucuna pruriens</i>	Kewanch	Fabaceae

Botanical Name	Common Name	Family
<i>Phoenix acaulis</i>	Dwarf Khajur	Arecaceae
<i>Phoenix sylvestris</i>	Khajur	Arecaceae
<i>Smilax macrophylla</i>	Ramdaton	Liliaceae
<i>Spatholobus roxburghii</i>	Nasbel	Fabaceae
<i>Tinospora cordifolia</i>	Giloy	Menispermaceae
<i>Vallisneria spiralis</i>	Dudhbel	Apocynaceae
<i>Ventilago calyculata</i>	Keoti	Rhamnaceae
<i>Ziziphus oenopia</i>	Makor	Rhamnaceae
OTHERS		
<i>Bambusa arundinacea</i>	Kanta bans	Poaceae
<i>Dendrocalamus strictus</i>	Bans	Poaceae
<i>Loranthus ferrugineus</i>	Mistletoe	Loranthaceae
<i>Loranthus longiflorus</i>	Bandha	Loranthaceae
<i>Viscum album</i>	Mistletoe	Santalaceae

FAUNA


List of Terrestrial animals spotted or reported from the area.

Scientific Name	Common Name	Local Name	Schedule
MAMMALS			
<i>Axis axis</i>	Spotted Deer	Cheetal	III
<i>Bandicoot bengalensis</i>	Lesser bandicoot	Musa	V
<i>Bandicota indica</i>	Greater Bandicoot	Bada Musa	V
<i>Canis aureus</i>	Jackal	Geedad	II
<i>Cynopterus sphinx</i>	Short nosed Fruit Bat	Chemeni	IV
<i>Elephas maximus</i>	Elephant	Hati	I
<i>Felis chaus</i>	Jungle cat	Jungle bilei	III
<i>Funambulus palmarum</i>	Three striped Squirrel	Squirrel	V
<i>Hystrix indica</i>	Indian porcupine	Jhinka	IV
<i>Lepus nigricollis</i>	Common Indian Hare	Thekua	IV
<i>Macaca mulatta</i>	Rhesus macaque	Mankad	II
<i>Melursus ursinus</i>	Bear	Bhalu	I
<i>Presbytis entellus</i>	Common langur	Mankad	II
<i>Rattus rattus</i>	Rat	House rat	V
<i>Suncus murinus</i>	Asian musk shrew	Chuchunder	V
<i>Sus scrofa</i>	Wild pig	Barha	III
<i>Vulpes bengalensis</i>	Indian fox	Lomdi	II
REPTILES			
<i>Ahaetulla nasuta</i>	Green vine snake	Harshara	II
<i>Amphiesma stolatum</i>	Buff striped keelback	Buff striped keelback	II
<i>Bungarus caeruleus</i>	Common Indian Krait	Karait	II

Scientific Name	Common Name	Local Name	Schedule
<i>Calotes versicolor</i>	Garden lizard	Chhipaakali	IV
<i>Chameleon zeylanicus</i>	Chameleon	Giragit	II
<i>Cnemaspis indica</i>	Indian Day Gecko	Chhipaakali	IV
<i>Dendrelaphis tristis</i>	Tree Snake	Tree snake	II
<i>Echis carinatus</i>	Saw scaled viper	Fursa	II
<i>Eryx johnii</i>	Sand boa	Red sand boa	IV
<i>Eutropis carinata</i>	Indian grass Skink	Skink	IV
<i>Eutropis multifasciata</i>	Common skink	Skink	II
<i>Geochelone elegans</i>	Indian star tortoise	Star tortoise	IV
<i>Hemidactylus flaviviridis</i>	Indian wall lizard	House Gecko	IV
<i>Hemidactylus leschenaultii</i>	Marbled tree gecko	Lizard	IV
<i>Lycodon aulicus</i>	Wolf snake	Wolf snake	II
<i>Melanochelys trijuga</i>	Indian black turtle	Kachhawa	II
<i>Naja naja</i>	Indian cobra	Nag	II
<i>Ptyas mucosus</i>	Rat snake	Dhaman	II
<i>Python molurus</i>	Indian python		I
<i>Typhlops diardi</i>	Giant Blind Snake	Blind snake	II
<i>Typhlops porrectus</i>	Slender Blind Snake	Blind snake	II
<i>Varanus bengalensis</i>	Bengal Monitor lizard	Sorisla Godhi	II
<i>Varanus flavescens</i>	Yellow Monitor lizard	Matia Godhi	I
<i>Vipera russelli</i>	Russell's viper	Viper	II
AMPHIBIANS			
<i>Bufo melonosticatus</i>	Common Indian Toad	Bhek	IV
<i>Rana tigerina</i>	Tiger Frog	Bull Frog	IV
<i>Polypedates maculatus</i>	Tree Frog	Tree frog	IV
<i>Rana hexadactyla</i>	Green Pond Frog	Green Frog	IV

LIST OF BIRDS EITHER SPOTTED OR REPORTED FROM THE AREA.

Scientific Name	Common or Local Name	Schedule
<i>Acridotheres tristis</i>	Common myna	IV
<i>Aegithina tithia</i>	Common lora	IV
<i>Alcedo atthis</i>	Small blue kingfisher	IV
<i>Ardeola grayii</i>	Pond heron	IV
<i>Apus nipalensis</i>	House swifts	IV
<i>Bubo bengalensis</i>	Great horned Owl	IV
<i>Bubo virginianus</i>	Great horned owl	IV
<i>Bubulcus ibis</i>	Cattle Egret	IV
<i>Caprimulgus asiaticus</i>	Indian Nightjar	IV
<i>Ceryle rudis</i>	Lesser pied Kingfisher	IV
<i>Columba livia</i>	Blue rock pigeon / Kabotar	IV
<i>Coracias benghalensis</i>	Nilkanth / Indian Roller	IV
<i>Corvus splendens</i>	House crow	V
<i>Dendrocitta vagabunda</i>	Indian tree pie	IV
<i>Dendrocopos marhaten</i>	Maratha Woodpecker	IV



Scientific Name	Common or Local Name	Schedule
<i>Dicrurus macrocerus</i>	Black drongo	IV
<i>Egretta garzetta</i>	Little egret	IV
<i>Eudynamis scolopacea</i>	Koel	IV
<i>Fringilla picta</i>	Painted partridge / Teetar	IV
<i>Fringilla pondicerianus</i>	Grey partridge / Safed Teetar	IV
<i>Gallus gallus</i>	Red jungle fowl / Murgi jungli	IV
<i>Gallus sonneratii</i>	Grey jungli fowl / Murgi jungli	IV
<i>Halcyon smyrnensis</i>	White-Breasted King fisher	IV
<i>Hierococcyx varius</i>	Common hawk-cuckoo	IV
<i>Merops orientalis</i>	Little Green Bee Eater	IV
<i>Milvus migrans</i>	Common pariah Kite / Cheel	IV
<i>Motacilla alba</i>	White wagtail	IV
<i>Oriolus oriolus</i>	Golden Oriole	IV
<i>Passer domesticus</i>	House sparrow	IV
<i>Perdix asiatica</i>	Bush quail / Bater	IV
<i>Phalacrocorax carbo</i>	Large Cormorant	IV
<i>Phalacrocorax niger</i>	Little cormorant	IV
<i>Ploceus philippinus</i>	Weaver bird	IV
<i>Psittacula cyanocephala</i>	Blossom headed Parakeet	IV
<i>Psittacula krameri</i>	Rose-Ringed Parakeet	IV
<i>Pycnonotus barbatus</i>	Common Bulbul	IV
<i>Pycnonotus cafer</i>	Red-vented bulbul	IV
<i>Pycnonotus jocosus</i>	Red whiskered Bulbul	IV
<i>Saxicoloides fulicata</i>	Indian robin	IV
<i>Stertopelia chinensis</i>	Spotted Dove / Chitta fakata	IV
<i>Streptopelia chinensis</i>	Spotted dove	IV
<i>Sturnus contra</i>	Pied myna	IV
<i>Sturnus pagodrum</i>	Brahminy myna	IV
<i>Taccocua leschenaur</i>	Parrot / Jungly Tota	IV
<i>Treron phoenicoptera</i>	Green pigeon / Harial	IV
<i>Turdoides caudatus</i>	Common babbler	IV
<i>Tyto alba</i>	Barn owl	IV
<i>Upupa epops</i>	Common hoopoe	IV

Movement patterns of the mega fauna:

Mega fauna like elephants are not native to the area. But the elephants from Karlapat Wildlife Sanctuary area are regular visitors to the area.

Wildlife corridors:

There is no wildlife corridor in the area.

Human-Wild-animal Conflict details in the area:

The major man animal conflict is due to Wild Bear. However sometimes occasional conflict with the wild boar and elephant takes place.

Rayagada Forest Division



The following are the Man Animal conflict position for the year from 2016 to 2021:

1. Human death due to wild animal attack : - NIL
2. Human Injury due to wild animal attack : - 4
3. Livestock killed/injury: - NIL
4. Extent of Crop Damage : - 158.08 Ac.
5. Wild animal killed : - NIL

Compassionate amount paid for Human Injury:

2018	-	Rs.5000.00
2019	-	Rs.5000.00
2020	-	Rs.10000.00

Compassionate amount paid for Crop Damage

2016	-	Rs. 2,54,770.00
2017	-	Rs. 4,35,620.00
2018	-	Rs. 2,97,200.00
2019	-	Rs. 5,42,660.00
2020	-	Rs. 2,75,300.00

Koraput Forest Division (Laxmipur Range) 2018-2021

1. Wild animal Death - NIL
2. Human Death - NIL
3. Human Injury

Year	No. of cases	Cause	Compassionate amount paid (Rs.)
2018-19	2	Bear attack	10,000.00
2019-20	2	Bear attack	10,000.00
2020-21	1	Bear attack	5,000.00

4. Crop Damage - NIL
5. House Damage - NIL

Other projects or their impact area in the impact area of the project proposed

1. Kodingamali bauxite mine, 1 km, S;
2. Utkal Alumina International Limited, Alumina Refinery (Existing 1.7 MTPA)- 8.1 km, NW.

The normal impact area of the project (859.84 Ha) is 426.85 Km² with average radius of 11.654 km.



CHAPTER-III:

Probable Impacts of the Project on Flora and Fauna- Under this likely impacts of project and ancillary activities on flora and fauna on movement of mega fauna shall be discussed.

This Project is an Industry having two distinct phases, such as Construction Phase and Operation Phase. Hence the impact of the project is different in both the phases, such as Construction Phase and Operation Phase.

Impact during Construction Stage:

The construction activities of the project which includes setting-up of core facilities of the project including the alumina refinery, the co-generation power plant and associated facilities, storage area, crushing unit etc. within 220 ha area of land and associated facilities of the project within the remaining area out of the total project spread over total area of 859.84 ha. The impacts due to construction of the project encompassing all activities from 'Process know-how & Basic Engineering' to 'Trial run and Commissioning' will be completed in 24 months. The anticipated impacts and mitigation measures thereof are discussed in the following sub-sections.

The development works in the study area will bring some changes in the land use pattern.

The land required for the proposed plant is 859.84. The land use within the project area includes both patches of Forest and Non-forest land. The impact due to land-use in this is anticipated due to land change, loss of vegetation cover while acquiring forest land and displacement of local population due to land acquisition.

Impact on Water Resources

Impact on Surface Water

Based on the drainage pattern of the project area, there are no perennial sources of water within 25 km of the project are except for Patagarh Rover. Required water will be sourced from Kendupai tributary (near Kuntiguda) of Patagarha river located at a distance of about 13 km from the proposed site.

The water requirement (for construction and operation phases) will be met through 16 km long pipeline drawn from Patagarha River near Kuntiguda to the project site. The water withdrawal permission for 25,000 KLD from Department of Water Resources, Odisha was sought for. The Water Allocation was sanctioned from the



State Water Resource Department Vide Letter No: 4232/2006/dated 07th February, 2006.

The water requirement for the construction purpose is estimated to be about 5000 KLD. Drinking water requirement for the construction phase will be 367 KLD for about (8000 Contract employees and 150 permanent employees). This water will also be sourced from the Patagarh River.

STPs are proposed during the construction phase for the domestic sewage generated from water utilisation by the construction employees. The treated water from the STPs will re-utilised for dust suppression and development of green-belt for the purpose of the project. The sludge generated from the STPs shall be utilized as manure in plantation areas. No waste water generated at the project site will be released into any surface water bodies.

Since the water requirement during the construction stage is below the permissible limit of water withdrawal permission, no impact due to the project on surface water resources is anticipated.

Impact on Groundwater

The water requirement for the project construction phase will be of temporary nature and also no groundwater will be required during the construction phase of the project. Therefore, there are no direct impacts on the groundwater levels due to the project construction.

However, during construction activity in rainy season, the water quality is likely to be affected due to the construction work and loosening of topsoil. This is likely to increase the suspended solids in the run-off during heavy precipitation. In order to reduce the impact on water quality, temporary sedimentation pond will be constructed for the settlement of the suspended matter.

Impact on Soil

The proposed land is having moderately undulating ground profile. The terraced level of the site is fixed, effectively to balance cut and fill by utilizing earthwork in excavation in filling low lying areas. Vegetation on topsoil is removed prior to commencement of bulk earthwork. No blasting is envisaged. Normal foundation work will be taken up for construction.



The construction activities will result in loss of vegetation and topsoil to some extent in the plant area. The earth cutting material obtained at site will be utilized for leveling purpose at shallow ground levels within the project site. Thus, the site preparation for the project will not require any filling material from outside.

During construction phase, the impact on the project site and nearby areas may be anticipated due to soil contamination. The following impacts are anticipated:

- Loss of fertile top-soil;
- Fugitive emissions from construction vehicles and other mass transport vehicles like leakage of engine oil or fuel;
- Leakage of lubricants in the workshop areas;
- Soil contamination due to discriminate throwing of asbestos based material during construction;
- Leakage of polluted water or chemical substances into soil; and
- Release of vehicle wash water containing oily/lubricating substances, etc.

Impact on Air Quality:

- The main sources for impact on air quality anticipated during the construction phase of the project include dust generated due to movement of construction vehicles and air emissions from vehicular exhaust. The dust emitted during these activities depends upon the type of soil and the ambient humidity levels. However, the impact during the construction phases will be localized and short-term in nature till the completion of the construction activities and construction demobilization.
- Mobile sources of air pollutants are anticipated from emission of vehicles and equipment deployed during the construction phase is likely to result in marginal increase in the level of SO₂, NO_x, PM, CO and un-burnt hydrocarbons. The impact of such activities would be temporary and restricted to the construction phase. The impact will be confined within the project boundary and is expected to be negligible outside the proposed project site.
- Stationary sources of air pollutants are anticipated from the operation of the DGs, crushers and ready-mix concrete plants. The major impacts of the crushers and the RMC plants will be basically from the emissions of particulate matter and dust which will be confined to a localized area from the proposed temporary location of the facility.

Impact on Noise Levels



- Heavy construction traffic for loading and unloading, fabrication and handling of equipment and construction materials are likely to cause an increase in the ambient noise levels. At the peak of the construction, marginal increase in noise levels is expected to occur locally at the construction site.

Impact on Ecology & Biodiversity

Based on the ecological survey, it was ascertained that there are no RET Flora either in the project area or in the impact area. Schedule I fauna such as Python, Monitor Lizard and Sloth Bear are present. Elephants are also found occasionally.

It has been found out that, Man-Animal conflict is at very low level.

Hence, there is marginal threat to Schedule I species from the proposed project.

Prediction of impacts is based on both on the direct and indirect, short-term as well as long-term; irreversible and irreversible impacts that are most likely to occur owing to the proposed activity during establishment and operation.

As stated in the project proposal, it is an Alumina Refinery Plant proposed to be located partly in forest land and partly in non-forest land. There is bound to be loss of the existing vegetation and flora of the project site to a large extent. The landscape is going to change drastically, yet there shall be no loss of any RET flora or fauna on account of the proposed establishment and operation of the industry including the captive power plants. Significant damage is going to occur to the existing flora.

Impacts during Operational Phase

The operation phase of the project will involve refining bauxite ore and manufacturing of alumina. The following activities related to the operational phase will have varying impacts on the environment and are considered for impact assessment:

- Land use;
- Soil;
- Topography and Climate;
- Air quality;
- Water resources;
- Water quality;
- Noise levels;
- Terrestrial ecology;
- Aquatic ecology;



- Demography and socio-economics; and
- Infrastructural facilities.

Impact on Land use

After project construction, there will be no change in the land utilization of the project during the operation phase.

Impact on Soil

The generation and disposal of red mud and fly ash are the likely sources of impact on the soil characteristics. Red Mud and Fly Ash management will be done in a scientific manner to reduce their impact.

Impact on Air Quality

Sources Air Pollution

The major sources of air pollution in the operation phase can be broadly classified into point sources (operational stacks), line sources (vehicular movement and material conveyors) and fugitive sources from material handling and processing, raw material storage areas, waste storage areas, loading/unloading points etc. The impact on air quality from point sources, line sources (conveyors) and fugitive sources are discussed in this section and emissions due to line sources (vehicular emissions) are discussed along with the Traffic Impact Assessment in the next section.

The point source emissions will be mainly from the stacks attached to:

- The Calciner of the Alumina Refinery; and
- The boilers of the Co-generation Power Plant.

Fugitive emissions are anticipated from different sources identified as below:

- Bauxite conveyor;
- Bauxite storage yard;
- Coal storage yard;
- Bauxite Crushing;
- Coal Crushing;
- Alumina Handling;
- Red Mud and Fly Ash Handling & Disposal Storage Area;



- Lime & Lime Grit Handling.

Impact on Water Resources

Impact on Surface Water Resources

The water requirement for the proposed facility will be met from tributary of Patagarh River near Kendupal, which is the nearest source to the site at a distance of about 13km. There will not be any tapping of groundwater during the operation of the refinery plant. Hence, it can be said that there will not be any adverse impact on the ground water resources.

The total water requirement for process in the proposed alumina refinery, domestic requirement for the proposed employees' colony & in the refinery and power plant and for process requirement in co-generation power plant is expected to be 20,000 m³/day.

Since, the overall water requirement is less than the allowable limit and the plant will be run on zero-effluent system, no impact on surface water resources during the operation phase of project.

Impact on Ground Water Resources

A detailed hydrogeological study was conducted to assess the impact on ground water resources due to project operation. It has been estimated that, there will be no impact on ground water.

Impact on Water Quality

The sources of effluents from various units will be treated separately depending upon the effluent characteristics.

There will be three types of wastewater streams from the proposed refinery plant. These include:

- Process Wastewater;
- Oily Wastewater; and
- Sanitary Wastewater.

Process Wastewater

The process wastewater will be coming from Heat exchangers, evaporators (acidic wastewater), Cooling Tower Blow down (CTBD) and laboratory effluent.



Besides, there are alkaline effluents from different units, which are recycled within the battery limits.

All the above-mentioned acidic effluents are collected in an equalization tank from where the equalized wastewater is pumped to the reaction tank and appropriately treated and then directed to Ash pond for recycling.

Oil Wastewater & Sanitary Wastewater

Some oily waste water is generated in the industrial process. The estimated quantity will be 110 m³/day.

Sanitary Wastewater

The sanitary wastewater will be treated in sanitary wastewater treatment plant. The treated wastewater will be reused.

Impact on Noise Levels

Once the plant becomes operational, noise will be generated from the turbine generator and several other equipment inside the plant. Noise generated by these equipment will be designed to comply with the Factories Rules and Stipulations and will not exceed 85 dB (A) at 1-m distance. The impact on noise levels due to vehicular traffic will be nominal and are expected to be within norms as per CPCB/MoEF.

Solid and Hazardous Waste Generation

The quantity of solid waste generated in the plant will be in the range of

- Red Mud about 51,00,000 TPA;
- Ash (Fly Ash (80% Fly Ash + 20% Bottom Ash) about 5,84,000 TPA; and
- Lime grit about 43,800 TPA.

Disposal these wastes may create problem.



CHAPTER-IV

Mitigation measures required - In this mitigation measures required need to be detailed to counter the adverse impacts of the project along with the financial implication.

A. MITIGATION MEASURES WITHIN THE PROJECT SITE

(To be implemented by Project proponent at its own cost)

Construction Phase

Mitigation Measures on Forest land use

Efforts were made to compensate for loss of forest land through optimization of the land use and proposal for development of green-belt. Further, a detailed R&R plan has been prepared and is being implemented as per Orissa State Government norms. The details of mitigations measures proposed are explained below.

➤ Reduction of Forest Land

In order to reduce the utilization of forest land while acquiring the project area, land required under each unit of the Plant has been considered thereby limiting the total forest land to 10.47 ha.

➤ Proposal for Green Belt Development

No discernible impacts on terrestrial life are anticipated. The impact due to loss of forest land will be compensated through development of green-belt proposed in an area of 283.75 ha which is about 33% of the total project area dedicated for development of green-belt. The development of greenbelt will help to attract avifauna.

➤ Rehabilitation and Resettlement

The project site is located in Kansarigurha village, which is sparsely populated and most of the site area is agricultural land. The land is under acquisition by the project authorities through IDCO, which will be converted to industrial land. Only Kansarigurha village will be rehabilitated for the proposed refinery plant.

Mitigation Measures for Surface Water:

STPs are proposed during the construction phase for the domestic sewage generated from water utilisation by the construction employees. The treated water from the STPs will re-utilised for dust suppression and development of green-belt for the purpose of the project. The sludge generated from the STPs shall be utilized as

manure in plantation areas. No waste water generated at the project site will be released into any surface water bodies.

Since the water requirement during the construction stage is within the permissible limit of water withdrawal permission, no impact due to the project on surface water resources is anticipated.

Mitigation Measures for Ground Water

- Monitoring of water usage at construction camps to prevent wastage;
- Ensuring there are no chemical or fuel spills at water body crossings;
- Ensuring that the STP at construction camps/ sites and the proposed facilities are properly designed to handle peak waste water load and properly maintained;
- Tracking of consumption and installing water meter at any new water abstraction source;
- The project envisages no abstraction of groundwater either in construction or operation phases;
- Vehicle/heavy machinery washing at the site will be prohibited; and
- Contaminated oil from wash water from workshops/maintenance yards shall be separated out and decanted water will be reused;

Wastewater Management at Labour Camp

- Domestic sewage from labour colony is treated in Sewage Treatment Plant and recycled for water sprinkling to suppress the dust;
- Wastewater will be recycled and reused;
- Municipal solid waste from labour camp and office areas will be disposed-off on daily basis to authorized agencies; and
- Separate storage areas are identified for other waste materials generated and will be disposed through authorized dealers.

Mitigation Measures for Soil

Top soil will be removed and stored separately for use in plantation program. The hazardous materials used during the construction may include petrol, diesel and paints. These materials shall be stored and handled according to the guidelines specified under Manufacture, Storage and Import of Hazardous Chemical Rules (MSHIC) and Hazardous Wastes Storage, Handling and Transportation Rules of



MoEF&CC. Various mitigation measures proposed to check soil contamination are:

- In order to prevent soil contamination likely to result from the oil spill and dripping from vehicles, an oil spill containment system will be implemented.
- Contaminated soil due to spillage of lubricants, fuel oil, paints, etc. will be collected and disposed with the hazardous waste;
- The construction material/chemicals shall be managed as per SOPs/SDS protocols to avoid spillage;
- Minimize the use of asbestos based material and appropriate collection and segregation of asbestos waste to be practiced as per HWM rules;
- Diesel/oil to be used for various construction activities shall be stored in designated storage yards to reduce the spills into unwarranted areas;
- Segregation, collection, storage and disposal of waste material generated during construction phase to minimise its impact on soil quality;
- Use an identified area for undertaking any repair and maintenance of vehicles/equipment;
- Dyked enclosures shall be provided for the Oil storage tanks;
- Diesel and other fuels shall be stored in separate dyke enclosures;
- Wherever possible, hazardous raw materials to be substituted by non-hazardous materials, e.g. cleaning solvents can be replaced with film-free biodegradable cleaners, usage of non-chlorinated strippers instead of strippers containing methylene chloride and substitution of water-based paints for oil-based ones;
- Separate storage of waste paints and thinners, contaminated rags and brushes to facilitate recycling and reuse. Rags could be laundered for reuse;
- Installation of on-site recycling equipment to be considered by large painting sub-contractors;
- Vehicle maintenance area will be designed to prevent contamination of ground water by accidental spillage of oil;
- Maintaining appropriate inventory control.

Apart from localized constructional impacts within project site, no adverse impact on the soil in the surrounding area is anticipated.

Mitigation Measures for Air Quality



The following measures will be implemented during the construction phase to reduce the impact on the ambient air quality:

- Vehicles accessing the project site will be checked regularly for valid Pollution Under Control (PUC) certificates;
- Water sprinkling shall be carried out at the construction sites with regular intervals e.g. excavation, material handling, dust emissions from RMC, etc. to suppress dust;
- Dust emissions from crushers can be controlled with implementation of dust control measures in the crushers like use of dust containment enclosure and water spraying for reduction of fly dust;
- Also, the crusher areas should be paved to reduce re-entrainment of settled dust on the unpaved road, reducing the drop height near the crushing area and covering the potential dust emissions sources to reduce transportation of dust material;
- The welding activities will be limited and thus emissions thereof will be insignificant, although personnel involved in welding shall use appropriate PPE to abet the impact due to emissions during the welding activity;
- Use of asbestos based material will be restricted; and
- All the construction sites shall be barricaded and camouflaged adequately.

Adopting techniques like, air extraction equipment, and covering scaffolding, hosing down road surfaces and cleaning of vehicles can reduce dust and vapour emissions. Measures include appropriate containment around storage tanks and materials stores to prevent spillages entering watercourses.

The other measures to reduce the air pollution on site are:

- Sprinkling of water and fine spray from nozzles to suppress the dust in the roads;
- On-Road- Inspection should be done for black smoke generating machinery;
- Promotion of use of cleaner fuel should be done;
- All DG sets should comply emission norms notified by MoEF&CC;



- Use of covering sheet to prevent dust from roads at buildings and infrastructure sites, which are being constructed; and
- All vehicles accessing the construction site will be properly maintained adequate maintenance complying with PUC.

Material storages / warehouses – should be taken to keep all material storages adequately covered and contained so that they are not exposed to situations where winds on site could lead to dust / particulate emissions. Fabrics and plastics for covering piles of soils and debris is an effective means to reduce fugitive dust.

Management of Dust Emission due to Transportation

Construction area consists of large open area. To reduce dust emission due to vehicle movement:

- Vehicle access area will be limited by use of designated pathway;
- Speed limit of 20 km/hr is fixed for vehicles, and speed monitoring is done;
- Vehicles wheel washing will be carried out;
- All aggregate transporting vehicles will be covered to prevent emission of dust; and
- Speed bumps are commonly used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, it may be necessary to divert traffic to nearby paved areas.

Noise Levels Mitigation Measures

Overall, the impact of noise generated on the environment is likely to be insignificant, reversible and localized in nature. Community noise levels are not likely to be affected because of the vegetation and likely attenuation due to the physical barriers. The following recommendations shall be implemented:

- Provision of silencers at the exit of noise source on the machinery;
- Vehicles and construction equipment with internal combustion engines without proper silencer will not be allowed to operate at the construction site;
- Regular maintenance of construction equipment;
- The use of damping materials such as thin rubber/lead sheet for wrapping the work places like compressors, generator sheets;



- Shock absorbing techniques will be adopted to reduce impact;
- Inlet and outlet mufflers will be provided which are easy to design;
- Stationary equipment such as ready-mix plant, hot mix plant, cement storage plant will result in noise generation. It will be ensured that the minimum distance of operation from stationary source are meeting CPCB standards. Hence, no considerable impact is envisaged on the surrounding community during construction phase;
- Construction activities involving operation of high noise generating machinery will be generally avoided between 10 pm and 6 am.

Restoration of Ecology

- The existing plots of block plantations shall be retained, to the extent possible. The proposed activity will not lead to any fragmentation of wildlife habitat. There shall be no disruption of food chains. Predator-prey relationships are not going to be altered. But there shall be a substantial local decline of existing shrubs and invasive weeds which are attracting several small passerine birds. There is bound to be some loss of fodder since the locals are now allowed to graze their cattle. Loss of firewood is expected but the existing firewood is adequate for the locals till the establishment of the industry.

Action Plan for Greenbelt Development in 33% of Area

- Environmental protection has been considered as an important domain for compensation of vegetation loss.
- All industrial units are required to have a greenbelt covering an area of 33% of the total site of the industry with 1500 to 2000 trees per ha.
- As per the stipulations of MoEF&CC, greenbelt is to be provided all along the boundary by planting tall, evergreen trees and the total green area including landscaping area will be 1/3rd (about 33%) of the plant area. at the rate of 1500 to 2000 plants per ha.
- The total area of the Aluminium plant is 859.84 ha. About 283.75 ha (33% of total area of 859.84 ha) is proposed to be used for greenbelt and block plantations.
- Within the 283.75 ha, there are many blocks of high-density Eucalyptus plantations. To the extent possible, these plantations and large trees shall be retained and the actual area shall be measured once the blueprint is ready. It is estimated to come to about 33.75 Ha.



- Greenbelt has to be developed afresh in about 350 Ha. Greenbelt of 30 to 50 m width with 15 to 25 rows of trees shall be developed on all sides of the plant site, Red mud pond and Ash dyke as shown in the project layout in Chapter-2. The distance between rows and columns shall be 2m x 3m. A total of 3,75,000 trees shall be planted in the greenbelt and block plantations.
- Existing large trees of Mango, Mahua, Jackfruit and Tamarind shall be retained, if feasible. Greenbelt development can only be done in phases since it involves huge earth work and construction. Layout development, earthwork and construction are going to take a long period. As and when a particular area becomes clear and available for plantation, transplantation begins.
- A list of plants suggested for greenbelt and block plantations is as follows: But it is suggested to go for such plants like *Cocnarpus lancifolius*, *Malabar Neem (Melia dubia)*, *Broad leaf Mahogany (Swietenia macrophylla)*, *Subaul (Leucaena leucocephala)*, *Sal (Shorea robusta)*, *Teak (Tectona grandis)*, *Bamboo (Dendrocalmus strictus)*, *Syzgium cumini*, *Terminalia* species etc.
- The possibility of involving Odisha Forest Development Corporation (OFDC) and assigning the job for Green Belt development will be explored and the job can be entrusted to them depending on their willingness.

Red Mud Management

- Red mud, preferably known as bauxite residue, is an industrial waste generated during the processing of bauxite into alumina using the Bayer process. Red mud contains toxic heavy metals and its high alkalinity makes it extremely corrosive and damaging to soil and life form.
- 4.08 MTPA (Dry Mud Generation = $1.36 \text{ t/t} \times 3 \text{ MTPA} = 4.08 \text{ MTPA}$, dry basis) of red mud will be generated annually. Considering 20% moisture in the mud bed; the red mud generation (wet basis) will be about 5.1 MTPA ($1.7 \text{ t/t} \times 3 \text{ MTPA} = 5.1 \text{ MTPA}$).
- The total quantity of red mud expected to be generated from the proposed plant will be about 141.1 Million Tons with a semi-dry density of 2.1 T/m^3 in a period of 30 years from start of alumina manufacture. Based on the above quantity and density, the volume of red mud generated is about 67190476.19 m^3 .



- Red mud disposal system shall be composed of thickened tailing disposal technique. This shall be disposed of by GEHO pumps (high pressure positive displacement pumps) in the designated Red Mud Disposal Area. An area covering 282. Ha has been dedicated for this purpose. Extra water is pumped back into the Alumina Plant.
- Besides this, the state-of-the-art Red Mud Filtration technology using high-pressure plate and frame with membrane filters shall be installed for disposal of dry Red mud cake at 75% solids through a set of conveyors directly to the pond. Mechanical dozers and excavators shall be used to spread and stack the dry Red Mud in the pond with continuous compaction so as to reduce land usage by 20-30%. The filtrate of the unit is again pumped back to the Alumina plant for reusing in the mud washing process.
- From the composition of the red mud, it can be observed that the solubility of the constituents is minimal. Hence, it can be inferred that there will be no leaching problem. In addition, the proposed red mud pond will be specially constructed covered with physical barriers around its perimeter to preclude the wash off of the red mud due to run off during monsoon season and with synthetic lining to prevent any possibility of leaching.
- The run-off from the red mud pond will be collected and stored in a holding pond, which shall be used for sprinkling during dry season. Further, to divert rainwater from outside the mud storage area, suitable garland drain shall be provided. Capacity of the red-mud pond and holding pond will be suitably designed during detailed engineering stage. Thus, the impact on soil from the red mud pond will be limited.

Ash Management

- Indigenous Coal to be used in the co-generation power plant will have ash content in the range of 45-48 %. The total amount of ash generated will be 17.52 Million Tons and based on utilization of ash, the balance ash includes 840960 Fly Ash and 3504000 T of Bottom Ash will be stored in the proposed ash pond within the plant. The density and volume of ash to be stored will be 1.5 T/m³ and 2896640 m³.
- Annual generation of ash (0.584MTPA, 80% Fly ash) will be disposed off in the ash pond located approximately 2.5km away from the alumina refinery.



The coal ash will be collected in two nos. ofoppers and it will be pumped to the ash pond through HCSD system.

- Adequate water sprinkling arrangement will be made in the ash pond area to avoid any possibility of fugitive dust generation. The ash will be used for preparation of bricks and will be sold to suitable parties for manufacturing cement etc. The ash pond will be constructed with all the engineering precautions.
- The supernatant water from the ash pond will be re-circulated completely for making ash slurry. The industry will take steps to utilize ash to the maximum extent and will provide all facilities to other users of ash as per the direction of Government/OPCB. The proposed area allocated for the ash disposal site is about 45ha.
- Thus, there will be minimum impact on the soil due to the generation and disposal of fly ash from the proposed refinery plant.

Air Pollution Management

Fugitive and stack emissions from the proposed alumina refinery will contribute to increase in concentrations of SPM, SO₂ and NO_x pollutants. The mitigative measures recommended in the plant are:

- Installation of ESPs of 99.9% efficiency to limit the PM concentrations below 30 mg/Nm³ in Calciner and co-generation plant stacks;
- Flue Gas De-Sulphurization Units will be installed to maintain Sulphur levels within the plant below 100 mg/Nm³ and Low-NO_x Burners will be installed in the Co-generation Power plants for maintaining NO_x emissions below 100 mg/Nm³;
- Provision of three 136-m high stacks for calcination units and two 150-m high stack for co-generation plant for wider dispersion of gaseous emissions;
- Installation of de-dusting systems equipped with pulse jet type bag filters assembly at all the raw material handling and transfer areas;
- Conveyor belt will be covered to prevent dust generation;
- Fugitive acid and alkali gas generation area will be provided with ventilation system;
- Black topping of permanent roads;
- Provision of water sprinkling system at raw material handling, storage yard and disposal ponds;



- All Plant roads and approach road to plant will be cleaned and industrial vacuum cleaners will be used to keep the plant clean and free of fugitive emissions;
- Development of greenbelt around the plant to arrest the fugitive emissions.

Oily Wastewater

The waste will be basically oily in nature. The quantity will be 110 m³/day.

Oily wastewater treatment plant is installed to treat only oily wastewater from oil storage and oil unloading area. Oily Wastewater is pumped to collection tanks where oil water separation takes place. The separated oil is collected in drums while the wastewater is allowed to flow by gravity to the oil separator.

The remaining oil is recovered in the separator and the treated wastewater will be routed to reclamation pond.

Sanitary Wastewater

The sanitary wastewater will be treated in sanitary wastewater treatment plant. The treated wastewater will be reused

Rainwater Harvesting Structures

Groundwater Recharge with Rain Water Harvesting

Rainwater harvesting structures will be constructed along the storm water drains in the project area. These drains will collect the surface run-off water and roof top water during rainy days.

There will be generation of surface run-off from the proposed plant facility during monsoon season. The run-off will be of two types i.e. run-off from the pervious area of the facility site and run-off from the built-up area of the complex. The run-off management from the entire project area will be considered under two category zones – caustic area and non-caustic area.

Run-off from the Caustic Areas

The run-off from the caustic areas within the plant premises will be routed through a carefully designed storm water drainage network and routed to red mud disposal system and ultimately disposed to the red mud pond.

Run-off from the Non-caustic Areas

The run-off from the non-caustic areas will be routed directly to the rainwater harvesting structures constructed at suitable locations as per the contours. For augmenting the ground water resources in the proposed plant, number of rainwater harvesting pits will be constructed and the internal drains where excess



rain water flowing in drain will be diverted to these pits. These structures will facilitate percolation of water into the ground and thus augmenting the groundwater sources.

Storm Water Management

The refinery's water management system will be designed to minimize the potential for storm water contamination occurring at the site. This will be achieved by incorporating the following features into the storm water management system:

- Run-off from upstream areas will be diverted around the refinery site;
- The quantity of contaminated runoff generated will be minimized by diverting runoff from areas external to the refinery to storm water discharge points;
- Caustic liquor, hazardous material and fuel storage areas will be bunded and drains will be provided to around these facilities to prevent entering of run-off water;
- The initial rainwater will be treated in ETP along with process water and used in process;
- Run-off from area external to process areas of the plant will be contained within a storage system; and
- Run-off in Bayer process areas will be contained within perimeter bunds, and recycled into the process water circuit either directly from collection sumps or via ETP.

Noise Pollution Management

Provision of acoustic enclosures to noise generating equipment like pumps and other equipment will conform to noise levels prescribed by regulatory authorities. Thick greenbelt to attenuate the noise levels and provision of earplugs to the workers working in high noise level area is proposed.

Solid and Hazardous Waste Management

The quantity of solid waste generated in the plant will be in the range of

- Red Mud about 51,00,000 TPA;
- Ash (Fly Ash (80% Fly Ash + 20% Bottom Ash) about 5,84,000 TPA; and
- Lime grit about 43,800 TPA.

The major solid waste from the proposed project will be red mud, lime grit and ash, which will be utilized to maximum extent and disposed-off in line with CPCP guidelines. Lime grit produced as a in the lime handling area will be disposed-off along with red mud.

The hazardous waste generated at the site will be managed as per Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016.

B. MITIGATION MEASURES WITHIN THE PROJECT IMPACT AREA

(To be implemented by Forest Department)

The project area extends over two forest Divisions, i.e. Rayagada Forest Division and Koraput Forest Division. The man-animal conflict in this area is found to be negligible. However due to additional pressure on forest it is necessary to protect the forests. The following steps are therefore proposed:

RAYAGADA FOREST DIVISION

- Habitat/ Wildlife protection

Interventions to be adopted by the Divisional Forest Officer: This will include the habitat / Wildlife protection as indicated above.

A. The following activities are proposed to be taken within the impact area.

(i) **Game Tanks:**

Two (2) Game Tanks will be created and maintained within the impact area to cater to the needs of Wild animals. The cost of creation is proposed to be @10.00 lakhs each and 4th year maintenance Rs.2.00 lakhs each. Total cost Rs.24.00 lakhs.

(ii) Forest Protection Squad:

Engagement of 10 persons as Forest Protection Force (Squad). This force will be deployed throughout the year . The proposed cost is as follows:

Wildlife Protection/ Anti depredation squad Cost per year	
Particulars	Amount
Wages of squad members – @12,750/-/month, 12,750 x 10 x 12 months = Rs.15,30,000/-	15,30,000/-
Hire charges of vehicle. @31,000/- per month – Rs.3,72,000/-	3,72,000/-
POL for vehicle @12,000/- per month.	1,44,000/-
Recharging of Mobile sets – 500x12x1	6,000/-
Contingency on LS	20,500/-
TOTAL	20,72,500/-

Total cost for 5 years during the Plan period is Rs. 1,03,62,500/-

(iii) GPS, Android Mobile /VHF sets:

G P S, Android Phones, VHF sets and other equipments will be procured and supplied to the squad for smart patrolling by the Squad . The amount proposed is Rs. 5.00 lakh.

(iv) **Camera Traps:**

Camera Traps will be installed at strategic locations to record the presence of animals and monitor their movement. An amount of Rs.5.00 lakhs is proposed for the same.

(v) Creation of awareness

Public Awareness will be created among the local people for conservation forest and
Kansariguda, Dist: Rayagada 40

wildlife in the area. Rs.20.00 lakhs is proposed.

- (vi) Cattle Immunization: The cattle in the forest fringe villages will be immunized for contagious and infectious diseases. An amount of Rs.1.00 lakhs is provided for the purpose.

- (ix) Monitoring and Evaluation:

For Monitoring and Evaluation, Construction of One Camp Shed/Watch Tower at a strategic location for camping of the Squad members, along with facilities of drinking water and Solar lighting. Proposed cost is Rs.20.00 lakhs. Creation and maintenance of Arborium and Medicinal Plant Garden at Tikiri will be created and maintained. The expenditure of Rs.20.00 lakhs is proposed for this.

Total cost along with Miscellaneous expenses an amount of Rs.50.00 lakhs is proposed.

- (x) 20% escalation cost is also provided for unforeseen expenditures

KORAPUT FOREST DIVISION

- (i) Game Tanks: Two (2) Game Tanks will be created and maintained within the impact area to cater to the needs of Wild animals. The cost of creation is proposed to be @10.00 lakhs each and 4th year maintenance Rs.2.00 lakhs each. Total cost Rs.24.00 lakhs.
- (ii) Forest Protection Squad: Engagement of 10 persons as Forest Protection Force (Squad). This force will be deployed throughout the year. The proposed cost is as follows:

Wildlife Protection/ Anti depredation squad Cost per year	
Particulars	Amount
Wages of squad members – @12,750/-/month, 12,750 x 10 x 12 months = Rs.15,30,000/-	15,30,000/-
Hire charges of vehicle. @31,000/- per month – Rs.3,72,000/-	3,72,000/-
POL for vehicle @12,000/- per month.	1,44,000/-
Recharging of Mobile sets – 500x12x1	6,000/-
Contingency on LS	20,500/-
TOTAL	20,72,500/-

Total cost for 5 years during the Plan period is Rs. 1,03,62,500/-

- (iii) GPS, Android Mobile /VHF sets:

GPS, Android Mobile /VHF sets and other equipments for smart patrolling by the Squad will be procured and supplied to the squad. The amount proposed is Rs. 5.00 lakh.



(iv) Camera Traps:

Camera Traps will be installed at strategic locations to record the presence of animals and monitor their movement. An amount of Rs.5.00 lakhs is proposed for the same.

(v) Construction of Camp Shed / Watch Tower with Generator Set :

One Camp Shed / Watch Tower to be constructed at a strategic location along with facilities of drinking water and Solar lighting and Generator Set, at a cost of Rs.25.00 lakhs.

(vi) Creation of awareness:

Creation of awareness among the local people for conservation forest and wildlife in the area. Rs.19.00 lakhs is proposed.

(vii) Establishment of GIS Cell :

GIS Cell will be established at Division Office. RS.20.00 lakhs is proposed.

(viii) Cattle Immunization: The cattle in the forest fringe villages will be Immunized for contagious and infectious diseases. An amount of Rs.1.00 lakhs is provided for the purpose.

(ix) Monitoring and Evaluation :

For Monitoring and Evaluation, and Miscellaneous expenses an amount of Rs.10.00 lakhs is proposed.

(x) 20% escalation cost is also provided for unforeseen expenditures.

B. Discretion of Forest Department

Although the above proposals are submitted for the mitigation of various threats to Wildlife and its habitat, the Forest Department is free to make alteration of the proposal or to divert the proposed activities to any other suitable locations.

C. Undertaking:

The project proponent undertakes to bear the cost of price escalation and/or differential wages in case of price rise or wage hike.

The total estimate of this plan is therefore Rs.505.50 lakhs. The entire amount will be deposited with the D.F.O/ Forest Department for taking up different activities within the Zone of Influence:

Proposed Plan Period

This plan is proposed for a period of 5 years. However, if necessary, interim revision of this plan can be taken up depending on the actual requirement. The proposed mitigation measures are therefore:

CHAPTER V

Animal Passage Plan – In case of linear projects and other projects affecting movement of wildlife species the details of structures and their locations should be mentioned as per prescriptions of "Eco Friendly Measures to Mitigate Impacts of Linear Infrastructure on Wildlife" issued by Government of India.

NOT APPLICABLE



CHAPTER VI

Financial Implications and Monitoring - Total Financial Implications of proposals given and cash flow statement for 5 years (year wise) need to be given here. Also monitoring and evaluation and interim review provisions shall be mentioned.

FINANCIAL FORECAST

RAYAGADA FOREST DIVISION

Sl. No.	Particulars	Cost (In lakhs)
1	Game Tanks- Two (2) Game Tanks will be created and maintained @12.00 lakhs each.	24.000
2	Engagement of 10 persons as Forest Protection Squad for 5 years.	103.625
3	GPS, Android Mobile /VHF sets and other equipments for smart patrolling	5.000
4	Procurement of Camera Traps	5.000
5	Creation of awareness for conservation of Forest and Wildlife.	20.000
6	Cattle Immunization	1.000
7	Monitoring & evaluation, Construction of Camp Shed / Watch Tower, Creation and maintenance of Arborium and Medicinal Plant Garden at Tikiri and Miscellaneous expenses	50.000
	TOTAL :-	208.625
8	20 % extra for escalation	41.725
	G. TOTAL :-	250.350

Divisional Forest Officer
Rayagada Division



Principal Chief Conservator of Forests
(Wildlife) & Chief Wildlife Warden
Odisha, Bhubaneswar

Kansariguda, Dist: Rayagada

KORAPUT FOREST DIVISION

Sl. No.	Particulars	Cost (In lakhs)
1.	Game Tanks- Two (2) Game Tanks will be created and maintained @12.00 lakhs each.	24.000
2	Engagement of 10 persons as Forest Protection Squad for 5 years.	103.625
3	GPS, Android Mobile /VHF sets and other equipments for smart patrolling	5.00
4	Procurement of Camera Traps	5.000
5.	Construction of Camp Shed / Watch Tower with Generator Set	25.00
6	Creation of awareness for conservation of Forest and Wildlife.	19.00
7	Establishment of GIS Cell at Division Office:	20.00
8	Cattle Immunization	1.000
9	Monitoring & evaluation and Miscellaneous expenses	10.000
	TOTAL :-	212.625
10	20 % extra for escalation	42.525
	G. TOTAL :-	255.150

TOTAL COST - Rs.5,05,50,000.00

[Signature]
 Divisional Forest Officer
 Koraput Forest Division

[Signature]
 Principal Chief Conservator of Forests
 (Wildlife) & Chief Wildlife Warden
 Odisha, Bhubaneswar



YEARWISE FLOW OF FUNDS

FOR ACTIVITIES BEYOND THE PROJECT AREA (IMPACT AREA)

RAYAGADA FOREST DIVISION

Sl. No.	Particulars	Year wise Expenditure Proposed (Rs. In lakhs)					
		1 st year	2 nd year	3 rd year	4 th year	5 th year	Total
1	Construction of 2 nos. of Game Tanks	20.00	0	0	0	4.00	24.00
2	Wages and logistics of 5 members Protection Force	20.725	20.725	20.725	20.725	20.725	103.625
3	GPS, Mobile, VHF Sets etc.	5.000	0	0	0	0	5.000
4	Camera Traps	5.000	0	0	0	0	5.000
5	Creation of awareness for conservation of Forest and Wildlife	4.000	4.000	4.000	4.000	4.000	20.000
6	Cattle Immunization	0.200	0.200	0.200	0.200	0.200	1.000
7	Monitoring & evaluation , Construction of Camp Shed / Watch Tower and Miscellaneous expenses	45.000	3.000	0	2.000	0	50.000
	TOTAL	99.925	27.925	24.925	26.925	28.925	208.625
8	Cost escalation 20%	19.985	5.585	4.985	5.385	5.785	41.725
	GRAND TOTAL	119.910	33.510	29.910	32.310	34.710	250.350


 Divisional Forest Officer
 Rayagada Division

Site Specific Wildlife Conservation Plan

M/s Aditya Enterprises Ltd.

KORAPUT FOREST DIVISION

Sl. No.	Particulars	Year wise Expenditure Proposed (Rs. in lakhs)					
		1 st year	2 nd year	3 rd year	4 th year	5 th year	Total
1	Construction of 2 nos. of Game Tanks	20.00	0	0	0	4.00	24.00
2	Wages and logistics of 5 members Protection Force	20.725	20.725	20.725	20.725	20.725	103.625
3	GPS, Mobile, VHF Sets etc.	5.000	0	0	0	0	5.000
4	Camera Traps	5.000	0	0	0	0	5.000
5	Construction of Camp Shed / Watch Tower with drinking water and Generator set	25.00	0	0	0	0	25.00
6	Creation of awareness for conservation of Forest and Wildlife	3.800	3.800	3.800	3.800	3.800	19.000
7	Establishment of GIS Cell at Division Office:	20.000	0	0	0	0	20.000
8	Cattle Immunization	0.200	0.200	0.200	0.200	0.200	1.000
	Monitoring & evaluation, and Miscellaneous expenses	5.000	0	0	5.000	0	10.000
	TOTAL	104.725	24.725	24.725	29.725	28.725	212.625
9	Cost escalation 20%	20.945	4.945	4.945	5.945	5.745	42.525
	GRAND TOTAL	125.670	29.670	29.670	35.670	34.470	255.150

[Signature]
Divisional Forest Officer
Koraput Forest Division

Kansariguda, Dist: Rayagada

CHAPTER -VII

Maps and Annexure

A topo sheet map 1:50000 scale showing project area, Impact area, location of underpass/overpass, movement of mega fauna, location of nearby Protected Areas, Wildlife Corridors etc need to be enclosed. In case of overlap of impact area with other projects an additional map showing location of existing project and its impact area and location of new project and its impact area shall be enclosed. Copy of Stage-I clearance and Environmental Clearance shall be annexed.

MAPS ENCLOSED

Sl. No.	Particulars	Plate No.
1	Topo Map showing the project area, Impact Area and the extended Impact area	Plate No.-1
2	Map showing the Location of the project area with reference to WL Sanctuaries and National Parks, Wildlife corridors and other Eco-sensitive zones.	Plate No.- 2

APPENDICES

Sl. No.	Particulars	Annexure
1	Copy of letter F.No. J-11011/141/2004-1A.II(I) of Govt. of India MoEF & CC dated, 14 th December, 2020 (ToR)	Annexure-I

F. No. J-11011/141/2004-IA. II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi - 110003
E-mail: dirind-moefcc@gov.in
Tel: 011-24695368

Dated: 14th December, 2020

To

Dr. Rama Chandra Rout,
AVP-Corporate Affairs,
M/s. Aditya Aluminium Limited,
J6, Jaydev Vihar,
Bhubaneswar, Odisha -751 013
Email: rama.rout@adityabirla.com

Subject: Proposed alumina refinery of 3.0 MTPA along with co-generation power plant of 150 MW by M/s. Aditya Aluminium Limited at Kansarigurha village, Kashipur tehsil, Rayagada district, Odisha – Prescribing of Terms of Reference - regarding.

Sir,

1. This refers to the online application of M/s. Aditya Aluminium Limited made vide proposal no. IA/OR/TND/154572/2020 dated 29/08/2020 along with the application in prescribed format (Form-I), copy of pre-feasibility report and proposed ToRs and subsequent ADS reply dated 19/11/2020 for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at S. No. 3(a) Metallurgical industries (ferrous & non-ferrous) under Category "A" of the schedule of the EIA Notification, 2006 and appraised at Central Level.
2. The aforesaid proposal was earlier considered in 23rd meeting of the Re-constituted EAC (Industry-I) held during 28-30th September, 2020 wherein the EAC after detailed deliberations deferred the consideration of the proposal and sought the additional information. Based on the information submitted by project proponent on 19/11/2020, the aforesaid proposal was re-considered in 25th meeting of the Re-constituted EAC (Industry-I) held during 25th-27th November, 2020. The salient features of the proposal cited above is given as below:

Details submitted by the project proponent
3. M/s. Aditya Aluminium Limited, proposes to install a new Alumina Refinery manufacturing unit for production of alumina. It is proposed to set up the plant for production of alumina refinery of 3.0 MTPA along with co-generation power plant of 150 MW based on Bayer's technology.
4. The project was earlier accorded environmental clearance vide Lr.No J-11011/141/2004/ IA.II dated 18.03.2006. However, no activity was initiated at the site and the validity period of the EC was lapsed.
5. The proposed unit will be located at Village: Kansarigurha, Taluka: Kashipur, District: Rayagada, State: Odisha.

Terms of Reference for project titled "Proposed alumina refinery of 3.0 MTPA along with co-generation power plant of 150 MW by M/s. Aditya Aluminium Limited at Kansarigurha village, Kashipur tehsil, Rayagada district, Odisha".

Page 1 of 11

6. The revised land requirement for the proposed 3 MTPA alumina refinery would be 859 ha as per the break up given below:

Area in hectares	Existing	Revised
Core Plant Area	220	220
Ash Pond	63.00	45.00
Red Mud Pond	210	185.00
Water Pipeline Corridor	21.52	21.52
Ash Pond, Red mud Pond and Conveyor Belt Corridor	14.65	14.65
R&R colony	30.60	30.60
Skill Development Centre	20.24	20.24
Green Belt Development (33% of the total area)	286.28	283.75
Misc. Development activities	0.00	39.08
Grand total	866.23	859.84

7. No national park/wildlife sanctuary/biosphere reserve/tiger reserve/elephant reserve etc. are reported to be located in the core and buffer zone of the project. Detailed study of ecological aspects including the Schedule-I, flora and faunal species will be carried out in the environmental base line studies.
8. Total project cost is approx. Rs. 11,000.00 Crores. Employment generation from the proposed project will be 150 direct and 8,000 indirect employments during construction phase and 750 direct and 4,000 indirect employments during operation phase.
9. The targeted production capacity of the Plant is 3.0 million TPA. The ore for the plant would be sourced from nearby Kodingamali Bauxite Mines and procurement from other sources. The ore transportation will be done through environmental friendly fully covered closed conveyor.
10. The proposed capacity for different products for new site area as below:

Name of unit	No. of units	Capacity of each Unit	Production Capacity
Alumina Refinery	3	1 MTPA	3 MTPA
CPP Cogeneration	5	30 MW	150 MW

11. The electricity load of 3 MW will be procured from the GRID & Company has also proposed to install 4500 KVA DG Set during construction. The electricity load of 150 MW will be met from CPP during operation.
12. Proposed raw material and fuel requirement for project are Bauxite ore, Coal, Lime, Caustic Soda and Furnace Oil. Requirement of Bauxite ore will be fulfilled from Kodingamali and nearby other Bauxite Mines. Coal from domestic and imported sources, Lime from domestic sources in Rajasthan & Madhya Pradesh, Caustic Soda from domestic suppliers and imported sources. Fuel consumption will be mainly coal and HFO. HFO will be sourced from domestic oil companies like HPCL & IOCL.

13. Water Consumption for the proposed project will be 10.4 lusecs (25,470 m³/day), 20,000 m³/day during operation and 5,000 m³/day during construction. Wastewater generation will be 10,000 m³/day. Domestic wastewater will be treated in STP and the treated water will be used for sprinkling & horticulture. Industrial wastewater generated will be recycled and reused fully.
14. The proponent has mentioned that there is no court case or violation under EIA Notification to the project or related activity.
15. It is reported that the proposal for the township is dropped and M/s UAIL township will be used for this project.
16. Name of the consultant: Name of the EIA consultant: M/s. Vimta Labs Limited [S.No. 135, List of ACOs with their Certificate / Extension Letter no. Rev. 4, Nov 10, 2020].

Observations of the Committee

17. The Committee noted the following:
 - i. The revised land requirement for the proposed 3MTPA alumina refinery would be as paragraph 6 above.
 - ii. All the reply to the ADS points has been addressed satisfactorily except the ash utilization plan which is not in line with requirement of Fly ash notification, 1999 and its subsequent amendments.

Recommendations of the Committee

18. After deliberations, the Committee recommended for prescribing following specific ToRs to the Project Proponent for undertaking detailed EIA and EMP study in addition to the generic ToR enclosed at Annexure-1 read with additional ToRs at Annexure-2:
 - i. Only surface Water shall be used. Ground water abstraction shall not be permitted.
 - ii. PM level from chimneys shall be maintained at < 30 mg/Nm³ and Power plant emission norms of SO₂ and NO_x less than 100 Mg/Nm³ shall be adhered to.
 - iii. All Plant roads and approach road to plant shall be made paved and industrial vacuum cleaners shall be used to keep the plant clean and free of fugitive emissions.
 - iv. Time bound action plan for the utilization of Red mud shall be submitted.
 - v. Ash utilization plan inline the provisions laid down in fly ash notification, 1999 and its subsequent amendment shall be submitted.
 - vi. PP has proposed 20 ha land for skill development center which is appears to be on higher side. PP may like to revisit the area and utilize the excess area for green belt.
 - vii. Green belt shall also be around ash and red mud ponds.
 - viii. Traffic study shall be carried out inter-alia including existing road details with traffic load, proposed quantum of material to be transported by road with anticipated vehicle details, line source modelling and road strengthening details etc., These details shall be included in the EIA report.
 - ix. Scheme for rain water harvesting shall be prepared inter-alia including recharge of ground water and construction of check dams to ensure harvesting of water to the extent abstracted from river Patagarha river (depending upon annual rain fall) and the details shall be included in the EIA report.
 - x. Socio-economic survey in the project influence area that is 10 Kms radial coverage from the project site shall be carried out and included as a part of EIA report.
 - xi. The list of flora and fauna with its schedule exists in the study area shall duly be authenticated by the Divisional Forest Officer and submitted along with the EIA report.

- xii. Contour survey of the plant site and red mud storage area with drainage pattern shall be undertaken and included in the EIA report.
- xiii. A separate chapter on red mud management inter-alia including red mud pond location, pipeline route, pumping arrangement envisaged, lining arrangement at the bottom of the red mud pond, leachate collection system and its monitoring etc., shall be prepared and included in the EIA report.
- xiv. Risk assessment, safety and surveillance system to be adopted in the red mud pond shall be included in the EIA report.

Decision of MoEF&CC

19. The undersigned is directed to inform that Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-I) hereby decided to accord above-said specific ToRs, in addition to the standard ToRs and Sector Specific ToRs as enclosed at Annexure I read with additional ToRs at Annexure-2 for carrying out detailed EIA/EMP for the above project.
20. It is requested that the draft EIA Report may be prepared in accordance with the above-mentioned specific ToRs and enclosed generic ToRs and additional ToRs and thereafter further necessary action including conduct of public consultation may be taken for obtaining Environment Clearance in accordance with the procedure prescribed under the EIA Notification, 2006 as amended.
21. The ToRs are valid for a period of four years from today i.e., 14/12/2020 and will expire on 13/12/2024 as per the Ministry's Notification S.O. 751 (E) dated 17/02/2020.
22. This issues with the approval of the Competent Authority.


(A.K. Agrawal)
Director

Copy to:-

1. Secretary, Department of Forests, Government of Odisha, Secretariat, Bhubaneswar.
2. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. Deputy Director General (Central), Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandersekharpur, Bhubaneswar - 751023.
4. Chairman, Odisha State Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
5. Member Secretary, Central Ground Water Authority, West Block -II, Wing -3, Sector 1, R.K.Puram, New Delhi - 110086.
6. District Collector, Rayagada District, Odisha.
7. Guard File/Record File/Monitoring File.
8. MoEF&CC website.


(A.K. Agrawal)
Director

GENERIC TERMS OF REFERENCE (ToR) IN RESPECT OF INDUSTRY SECTOR

1. Executive Summary
2. Introduction
 - i. Details of the EIA Consultant including NABET accreditation
 - ii. Information about the project proponent
 - iii. Importance and benefits of the project
3. Project Description
 - i. Cost of project and time of completion.
 - ii. Products with capacities for the proposed project.
 - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
 - iv. List of raw materials required and their source along with mode of transportation.
 - v. Other chemicals and materials required with quantities and storage capacities
 - vi. Details of Emission, effluents, hazardous waste generation and their management.
 - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
 - viii. The project proponent shall furnish the requisite documents from the competent authority in support of drawl of ground water and surface water and supply of electricity.
 - ix. Process description along with major equipment and machineries, process flow sheet (Quantitative) from raw material to products to be provided
 - x. Hazard identification and details of proposed safety systems.
 - xi. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MoEF&CC/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment, Forest and Climate Change as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB/PCC shall be attached with the EIA-EMP report.
 - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
4. Site Details
 - i. Location of the project site covering village, Taluka/Tehsil, District and State. Justification for selecting the site, whether other sites were considered.
 - ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
 - iii. Co-ordinates (lat-long) of all four corners of the site.
 - iv. Google map-Earth downloaded of the project site.
 - v. Layout maps indicating existing unit as well as proposed unit indicating storage area.

Terms of Reference for project titled "Proposed alumina refinery of 1.0 MTPA along with co-generation power plant of 150 MW by M/s. Aditya Aluminium Limited at Kansarigurha village, Keshipur tehsil, Rajagada district, Odisha"

plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

- vi. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- vii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- viii. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- ix. Geological features and Geo-hydrological status of the study area shall be included.
- x. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xii. R&R details in respect of land in line with state Government policy.

5. **Forest and wildlife related issues (if applicable):**

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department, (if applicable).
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (*in case of projects involving forest land more than 40 ha*).
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon.
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6. **Environmental Status**

- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM_{10} , $PM_{2.5}$, SO_2 , NO_x , CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with – min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.

- iv. Surface water quality of nearby River (60m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

7. Impact Assessment and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be well assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling – in case, if the effluent is proposed to be discharged in to the local drain, then Water Quality Modelling study should be conducted for the drain water taking into consideration the upstream and downstream quality of water of the drain.
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to

harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.

- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8. Occupational health

- i. Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved.
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre-designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analysed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
- iii. Annual report of health status of workers with special reference to Occupational Health and Safety.
- iv. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.

9. Corporate Environment Policy

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report.

- 10. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 11. To address the Public Hearing issues, provisions contained under Ministry's Office Memorandum vide F.No. 22-65/2017-IA.III dated 30/09/2020 shall be complied.
- 12. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13. A tabular chart with index for point wise compliance of above ToRs.

14. The ToRs prescribed shall be valid for a period of three years for submission of the EIA-EMP reports along with Public Hearing Proceedings (wherever stipulated).

The following general points shall be noted:

- i. All documents shall be properly indexed, page numbered.
- ii. Period/date of data collection shall be clearly indicated.
- iii. Authenticated English translation of all material in Regional languages shall be provided.
- iv. The letter/application for environmental clearance shall quote the MOEF&CC file No. and also attach a copy of the letter.
- v. The copy of the letter received from the Ministry shall be also attached as an annexure to the final EIA-EMP Report.
- vi. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- vii. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF&CC vide O.M. No. J-11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry shall also be followed.
- viii. The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI)/National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.
- ix. ToRs' prescribed by the Expert Appraisal Committee (Industry) shall be considered for preparation of EIA-EMP report for the project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The Public Hearing shall be chaired by an Officer not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made. The final EIA report shall be submitted to the Ministry for obtaining environmental clearance.

ANNEXURE-2

ADDITIONAL ToRs FOR METALLURGICAL INDUSTRY (FERROUS AND NON-FERROUS)

1. Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs & outputs (material and energy balance).
2. Emission from sulphuric acid plant and sulphur muck management.
3. Details on installation of Continuous Emission Monitoring System with recording with proper calibration system
4. Details on toxic metals including fluoride emissions
5. Details on stack height.
6. Details on ash disposal and management
7. Complete process flow diagram describing process of lead/zinc/copper/ aluminium, etc.
8. Details on smelting, thermal refining, melting, slag fuming, and Waelz kiln operation
9. Details on Holding and de-gassing of molten metal from primary and secondary aluminium, materials pre-treatment, and from melting and smelting of secondary aluminium
10. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
11. Trace metals in waste material especially slag.
12. Plan for trace metal recovery
13. Trace metals in water

Executive Summary

Executive summary of the report in about 8-10 pages incorporating the following:

- i. Project name and location (Village, Dist. State, Industrial Estate (if applicable))
- ii. Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- iii. Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- iv. Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes. Materials balance shall be presented.
- v. Measures for mitigating the impact on the environment and mode of discharge or disposal.
- vi. Capital cost of the project, estimated time of completion
- vii. Site selected for the project – Nature of land – Agricultural (single/double crop), barren, Govt/private land, status of its acquisition, nearby (in 2-3 km.) water body, population, with in 10km other industries, forest, eco-sensitive zones, accessibility, (note – in case of industrial estate this information may not be necessary)
- viii. Baseline environmental data – air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population
- ix. Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- x. Likely impact of the project on air, water, land, flora-fauna and nearby population
- xi. Emergency preparedness plan in case of natural or in plant emergencies
- xii. Issues raised during public hearing (if applicable) and response given
- xiii. CSR plan with proposed expenditure.
- xiv. Occupational Health Measures
- xv. Post project monitoring plan

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that we have RTGS the below mention funds favour of ORISSA CAMPA by debiting A/c no-914020052756577 of Hindalco Industries Limited.

Details of the fund transfer are as follows:

Transfer Amount : RS 8,91,35,242 /-

Date of Transfer : 21.02.2024

TRAN No : AXISP00472940114

IFSC Code : UBIN0996335

Yours faithfully

Operation Head

* Transaction done from corporate end




CONCERNED DISTRICT
Koraput

1. It is certified that the complete process for diversion and settlement of rights under the Scheduled Tribe and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 has been carried out for the entire forest area of 36.39 hectares (89.92 acres) proposed for diversion for Aditya aluminium Refinery ,Laxmipur Project. The concerned record of all consultations and meetings held are annexed.
2. It is certified that the proposals for such diversion have been placed before each of the Gram Sabhas of forest dwellers who are eligible under the Forest Rights Act. Details of the projects and its implications have been explained to them in vernacular,Local language.
3. It is certified that discussions and decisions on such proposals had taken place only when there was a quorum of minimum 50% of members of the Gama Sabha Present.
4. It is certified that the rights of the primitive tribal groups and pre agricultural communities have been specifically safeguarded as per Section 3(1),(e) of the Forest Rights Act.
5. It is certified that the diversion of forest land for facilities manage by Government as require under Section 3(2) of the Forest Rights Act(if any) have been completed and that the Gram Sabhas have consented to it.


COLLECTOR,

Collector, Koraput District,
& Chairman District Level Committee

Enclosed the Gram Sabha Resolution of eight villages in local Oriya Language, along with its English Translated copies giving their consent for diversion of Forest Land in their respective villages where in more than 50% of the members were present.


B.D.O., Laxmipur
BLOCK DEVELOPMENT OFFICER
LAXMIPUR

COLLECTORATE, KORAPUT.
(REVENUE SECTION)

Dated -09-2011

No. _____/XXVII-205/11

To

The Divisional Forest Officer,
Koraput Forest Division, Koraput.

Subj: Diversion of Forest Land for non-forest purpose under the Forest
(Conservation) Act, 1980 ensuring compliance of Scheduled Tribes
& Other Traditional Forest Dwellers (Recognition of Forest
Rights) Act, 2006- Issue of Certificates/documents.

R-4!
Sir, Your Memo No. 2435 Dtd 01.07.2010.

With reference to the above cited subject, I am to send
herewith the 03(three) nos. of required certificate duly signed by the
Collector, Koraput alongwith the Gram Sabha Proceedings, for your
information and necessary action.

Receipt of the Certificates/documents may please be
acknowledged.

Yours faithfully,

SD/-
Deputy Collector(Revenue),
Collectorate, Koraput.

Memo No. 2086 /11

Dated 7-09-2011

Copy forwarded to the Senior General Manager, Aditya
Alumina, Rayagada for information and necessary action.

SD/-
Deputy Collector(Revenue),
Collectorate, Koraput.

OFFICE OF THE PANCHAYAT SAMITI, LAXMIPUR

No. 1546/11

Date 24/6/11

To

The Collector, Koraput.

Sub:- Submission of the Grama Sabha Proceedings of 8 villages of Laxmipur Block.

Ref:- Your office order NO 1535/ XXVIII-307/10, Dt. 21.06.10 (Proposal for diversion of forest land for Aditya Aluminium Refinery.)

Sir,

In inviting a kind reference to the subject cited above, I am to submit herewith the Gram Sabha Proceedings conducted at 8 villages Singarama, Biriguda, Rajan Panasguda, Talakaipadar, Narsikaipadar/ upper kaipadar, Nissar, Badasankha, Punjissili) of this Block for consent of villagers for diversion proposal of Forest Land to Aditya Aluminium, Laxmipur to an extent of 36.39 hec (89.82 acres) with regards to the compliance of forest Right Act 2006.

Further, I am submitting herewith the required information in prescribed format along with Grama Sabha Proceedings and true copy translated in English version of 8 villages of this Block.

This is for favours of kind information and necessary action.

Yours Faithfully,

Block Development Officer
BLOCK DEVELOPMENT OFFICER
LAXMIPUR

Memo No. Dt.

Copy to the Sr. G.M.(Projects) of Aditya Aluminium, Laxmipur for necessary information.

3d/-
Block Development Officer
BLOCK DEVELOPMENT OFFICER
LAXMIPUR

OFFICE OF THE PANCHAYAT SAMITI, LAXMIPUR

No.

Date

To

The Collector, Koraput.

Sub:- Submission of the Grama Sabha Proceedings of 8 villages of Laxmipur Block.

Ref:- Your office order NO 1535/ XXVIII-307/10, Dt. 21.06.10 (Proposal for diversion of forest land for Aditya Aluminium Refinery)

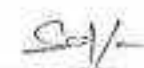
Sir,

In availing a kind reference to the subject cited above, I am to submit herewith the Gram Sabha Proceedings conducted at 8 villages Singarama, Biriguda, Rajan Panasguda, Talakaipadar, Narsikaipadar/ upper kaipadar, Nissar, Badasankha, Punjissili) of this Block for consent of villagers for diversion proposal of Forest Land to Aditya Aluminium, Laxmipur to an extent of 36.39 hec. (89.82 acres) with regards to the compliance of forest Right Act 2006.

Further, I am submitting herewith the required information in prescribed format along with Grama Sabha Proceedings and true copy translated in English version of 8 villages of this Block.

This is for favours of kind information and necessary action.

Yours Faithfully,


Block Development Officer, Laxmipur.

Memo No: 1537/ Dt.

Copy to the Sr. G.M. (Projects) of Aditya Aluminium, Laxmipur for necessary information.


BLOCK DEVELOPMENT OFFICER
LAXMIPUR

1. It is certified that the complete process for diversion and settlement of rights under the Scheduled Tribe and Other Traditional Forest Dwellers: (Recognition of Forest Rights) Act, 2006 has been carried out for the entire forest area of 36.39 hectares (89.92 acres) proposed for diversion for Aditya aluminium Refinery ,Laxmipur Project. The concerned record of all consultations and meetings held are annexed.
2. It is certified that the proposals for such diversion have been placed before each of the Gram Sabhas of forest dwellers who are eligible under the Forest Rights Act. Details of the projects and its implications have been explained to them in vernacular, Local language.
3. It is certified that discussions and decisions on such proposals had taken place only when there was a quorum of minimum 50% of members of the Gama Sabha Present.
4. It is certified that the rights of the primitive tribal groups and pre agricultural communities have been specifically safeguarded as per Section 3(1),(e) of the Forest Rights Act.
5. It is certified that the diversion of forest land for facilities manage by Government as require under Section 3(2) of the Forest Rights Act(if any) have been completed and that the Gram Sabhas have consented to it.

Enclosed the Gram Sabha Resolution
Of Eight villages in local Oriya Language,
alongwith its English Translated copies giving
Consent for diversion of Forest Lands
In their respective villages.

B. B49Q1aX5Y5t6

CONCERNED DISTRICT
Koraput

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Collector,Koraput District,
& Chairman District Level Committee

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Of Eight villages in local Oriya Language,
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In their respective villages.

B.D.O, Laxmipur

BLOCK DEVELOPMENT OFFICER
LAXMIPUR

CONCERNED DISTRICT
Koraput

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Collector, Koraput District,
& Chairman District Level Committee

Enclosed the Gram Sabha Resolution
Of Eight villages in local Oriya Language,
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Consent for diversion of Forest Lands
In their respective villages.

BLOCK DEVELOPMENT OFFICE
LAXMIPUR

Koraput Dist. (Laxmipur Block) for Aditya Aluminium Refinery				
DISTRICT	Aditya Aluminium Refinery		FOREST AREA	
KORAPUT	VILLAGE	BLOCK	IN ACRES	IN HECTRES
	Singarama	Laxmipur	0.47	0.19
	Briguda	Laxmipur	64.06	25.925
	Rajan Panasguda	Laxmipur	20.85	8.438
	Talakalpader	Laxmipur	1.76	0.712
	Narsi kalpadary/ uppar kalpadar	Laxmipur	0.36	0.146
	Nissar	Laxmipur	0.05	0.02
	Badasankha	Laxmipur	0.92	0.372
	Punjisilli	Laxmipur	1.45	0.587
	Koraput Dist	Total area	89.92	36.39

[Signature]
BLOCK DEVELOPMENT OFFICER
LAXMIPUR

**LAND SCHEDULE OF FOREST LANDS IN THE PROPOSED ALUMINA REFINERY
OF ADITYA ALUMINIUM (KORAPUT DISTRICT)**

Sl.No.	Dist.	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	In Hec.	Kissam	Remarks
1	Koraput	Odiapentha	Singarlama	Ash pond area	31	293	0.05		Patra jungle	
2				total	31	348	0.41		Patra jungle	
							0.47	0.190		

Sl.No.	Dist.	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	In Hec.	Kissam	Remarks
1	Koraput	Odiapentha	Biniguda	Red mud area	85	415	14.57		Patra jungle	
2					81	418	10.80		Patra jungle	
3					81	1500	0.93		Patra jungle	
4					81	419	2.30		Patra jungle	
5					85	421	30.98		Patra jungle	
6					85	14(p)	0.56		Patra jungle	
7					81	451	1.54		Patra jungle	
8				total	81	414	0.82		Patra jungle	
							52.60	25.334		

Sl.No.	Dist.	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	In Hec.	Kissam	Remarks
1	Koraput	Odiapentha	Biniguda	220 KV line	81	127	0.16		patra jungle	
2					81	15	1.04		patra jungle	
3					85	14	0.25		Patra jungle	
				total			1.45	0.591		

Sl.No.	Dist.	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	In Hec.	Kissam	Remarks
1	Koraput	Odiapentha	Relen panasaguda	220 KV Line	50	379	0.85		patra jungle	
				total			0.85	0.344		

[Signature]
[Handwritten text]

Sl.No.	Dist.	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	In Hec.	Kissam	Remarks
1	Koraput	Odapendra	Revan ponnasaguda	Red mud area	60	24	7.8		patra jungle	
2				Total	60	30	13.3		patra jungle	
							20	8.094		

Sl.No.	Dist.	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	In Hec.	Kissam	Remarks
1	Koraput	Laxmipur	Nissar	220 KV Line	36	320	0.05		patra jungle	
				Total			0.05	0.028		

Sl.No.	Dist.	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	In Hec.	Kissam	Remarks
1	Koraput	Bunga	Bachasanka	220 KV Line	85	85	0.33		patra jungle	
2				Total	85	83	0.50		patra jungle	
							0.92	0.372		

Sl.No.	Dist.	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	In Hec.	Kissam	Remarks
1	Koraput	Bunga	Puntisilli	220 KV Line	12	411	0.97		Patra jungle	
2					8	2	0.58		Patra jungle	
				Total			1.45	0.587		

Sl.No.	Dist.	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	In Hec.	Kissam	Remarks
1	Koraput	Laxmipur	Narsi Kalpadar/	220 KV Line	39	455	0.31		Patra jungle	
2			Upper Kai padar		39	303	0.05		Patra jungle	
				Total			0.36	0.149		


 BLOCK DEVELOPMENT OFFICER
 Laxmipur

Sl No.	Dist.	Panchayat	Village	Purpose	Khata No.	Plot No	Proposed area(Acre)	In Hec.	Kissam	Remarks
1	Koraput	Odipentha	Tala Kai Padar.	220 KV Line	51	474	1.08		patra jungle	
2					51	134	0.28		patra jungle	
3					51	132	0.42		patra jungle	
					Total		1.76	0.712		
					total area of Dist		89.92	36.39		


 BLOCK DEVELOPMENT OFFICER
 LAXMIPUR

४८८५।२। धाम्नि द्विषु द्वात्रिंशत्काशी मन्त्रान्तरं उवाच।

BLOCK DEVELOPMENT OFFICER
LAXMIPUR

(Tapan Ku-Jena)
Activity: Aluminium

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ପରପତ୍ର

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 Lacharaka Kalika
 २१/११/१८८६
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Shikoni Haraka

Narasingh Mandinga

Sapath Hekaya

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୧୩) ଅନୁପାମା ଦେବୀ
ସଞ୍ଜୁକ୍ତା ସାହୁ

ସଞ୍ଜୁକ୍ତା ସାହୁ



୧୪) ସୁମିତ୍ରା ଦେବୀ
ସଞ୍ଜୁକ୍ତା ସାହୁ



୧୫) ଚିତାମଣି ଦେବୀ
Ramesha Khosla



୧୬) ଭବିଷ୍ୟ ଦେବୀ



୧୭) ଦୁର୍ଗା ଲକ୍ଷ୍ମୀ
କାଳୀ ଦେବୀ



୧୮) ଦୁର୍ଗା ଦେବୀ



୧୯) ଶ୍ରୀମତୀ ଦେବୀ

କାଳୀ ଦେବୀ



୨୦) ସୁମିତ୍ରା ଦେବୀ

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୧୩। ବିଲେଇର ଘିରକା

ବୁଦ୍ଧିମାନ ଶାସ୍ତ୍ରୀ
Sageenoo S. S. S.

୧୩। ଧାତୁର ଘିରକା

୧୩। ଶୁଦ୍ଧ ଘିରକା

୧୩। ନିଆର ଗାତୁକା

ସାମାନ୍ୟ କାଗଜ

୧୩। ନିଆର ଗାତୁକା

ବିଶାଳ ପ୍ରକାର

୧୩। ପାଣି ଘିରକା

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୧୩। ଶୁଦ୍ଧ ଘିରକା

ବିଶାଳ ପ୍ରକାର

ମା. ଜାମାତ ଦୁଇକା
ଶାବିନି ମାଣ୍ଡିଆ

ମା. ଭବା ଲକ୍ଷ୍ମୀ ଶାଢ଼ୀ

ମା. ଶ୍ରୀମାତ ଦୁଇକା

ମା. କୁଳନ ଦୁଇକା

ମା. ଶ୍ରୀମାତ ଦୁଇକା

ମା. କୁଳନ ମାଣ୍ଡିଆ

ମା. ଶ୍ରୀମାତ ଦୁଇକା
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ମା. କୁଳନ ମାଣ୍ଡିଆ

ମା. କୁଳନ ମାଣ୍ଡିଆ



୮୧। ମାଗି ଦିଅ
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୮୨। ଦାଉଁଶର ଚୁରୁରୁ



୮୩। ଚୁରୁରୁରୁ ଦିଅ
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୮୪। କମଳା ମାତା



୮୫। ଦୁଇ ଚୁରୁରୁ



୮୬। କମଳା ଦିଅ
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୮୭। ଚୁରୁରୁ ଚୁରୁରୁ
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୮୮। କମଳା ମାତା

୧୦୧ ମାଲିକା କୁମ୍ଭିକା
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୧୦୪ ଶ୍ରୀମତୀ ଦିବ୍ୟା
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୧୦୬ ଶ୍ରୀମତୀ କୁମ୍ଭିକା
Kushna H. K. K.

୧୦୭ ମାୟା ମାୟା

୧୦୮ ଶ୍ରୀମତୀ କୁମ୍ଭିକା
କୃଷ୍ଣା ମାୟା

୧୦୯ ଶ୍ରୀମତୀ କୁମ୍ଭିକା

୧୧୦ ଶ୍ରୀମତୀ ମାୟା

ENGLISH TRANSLATION OF GRAMA SABHA RESOLUTION

Village: Singarama, Block: Laxmipur, Dist: Koraput

Today dated 22.02.11 a Gram Sabha was organized at Village Street of Singarama at 10.35 A.M., which was presided over by Smt. Satai Hikaka, Gram Panchayat Sarapanch. All villagers, Ward Member of the village, Sri Tapan kumar Jena & Sri Satya Sundar Sahu- representative of the Company and other members were present in the meeting. Requirement of land in the Category of Forest kissam for the construction of Ash Pond of the company and mining activities was discussed in this meeting. Government (Forest Category) Land of our village to an extent of Ac. 0.06 (in Khata No.31 - Plot No.293), Ac. 0.41(in Khata No.31 -Plot No. 348). Total Area of Land to an extent of AC 0.47 was found to be required for ash pond and R.F. land Hec406.39 of Kodingamali for mining activities. It was known that as per Govt.rules/laws, permission has to be sought from Central Govt.for using these lands for Non-Forest/Mining activities.

As such we the signatories bring to the notice of Government that there is no right, title and interest of any Scheduled Tribe, Scheduled Caste or Other Category of people of the village in those land as per Forest Rights Act 2006 and we do not have any kind of objection over these Forest Land if the Government accords permission to lease out and/or give to the Aditya Aluminium, HINDALCO or to the Joint Venture Orissa Mining Corporation, Orissa mining activities activities for its Ash Pond. Thus all the villagers have given consent for the same.

Sd/ Block Development Officer

Sd/ Satai Hikaka

Laxmipur Block

Sarpanch, Odiapentha G.P.

Sd/ Satya Sundar Sahoo

Aditya Aluminium

Sd/ T.K.Jena

Aditya Aluminium

True Copy translated to
English. Attested.


BLOCK DEVELOPMENT OFFICER

1.6.2010

Name of the Village	Sl. No.	Name
Singarama		
	1	Sd/- Krushna Hikaka
	2	Sd/- Sapura Hikaka
	3	Sd/- Bijaya Hikaka
	4	Sd/- Krushna manika
	5	Sd/- Lachana Kalasika
	6	Sd/- Aphī Kulesika
	7	LTI of Brundha Hikaka
	8	LTI of Jukhu Hikaka
	9	Sd/- Gunath Goudo
	10	LTI of Utru Kadraka
	11	Sd/- Remena Hawaldar
	12	Sd/- gupra Sahu
	13	LTI of Salu Mandinga
	14	Sd/- Parameswar Mandanga
	15	Sd/- Nebhara Mandanga
	16	LTI of Longa Hikaka
	17	Sd/- Ramjam Hawaldar
	18	Sd/- Chandra Shekar Sahu
	19	LTI of Kumuti Hikaka
	20	Sd/- Virajan Hawaldar
	21	Sd/- Bishnu nath Hikaka
	22	LTI of Luka Hikaka
	23	Sd/- DeBhira Mandinga
	24	Sd/- Gouri Hikaka
	25	Sd/- Bhikasri Hikaka
	26	Sd/- Nakasongh Mandinga
	27	Sd/- Sapash Hikaka
	28	LTI of Sabhada Hikaka
	29	Sd/- Lehana Hikaka
	30	LTI of Maha Hikaka
	31	Sd/- Jabo Hikaka
	32	Sd/- govinda Mandinga
	33	LTI of Lumain Hikaka

- 34 LTI of Guru Hikaka
- 35 LTI of Adaro Hikaka
- 36 LTI of Ruvvayi Hikaka
- 37 LTI of Panchala Hikaka
- 38 LTI of Koyido Hikaka
- 39 Sd/- Dilip Kumar Jena
- 40 LTI of Basanti Hikaka
- 41 LTI of Salare Kataka
- 42 LTI of Dipare Hikaka
- 43 LTI of Pune Hikaka
- 44 Sd/- Tosilo Hikaka
- 45 LTI of Polonga Hikaka
- 46 LTI of Saloma Sodinga
- 47 Sd/- Ramesh Hikaka
- 48 LTI of Sinoram Hikaka
- 49 Sd/- Abhiram Khosla
- 50 LTI of Nolai Hikaka
- 51 LTI of Loaare Hikaka
- 52 Sd/- Rosmita Gorola
- 53 Sd/- Momata Sahu
- 54 LTI of Sumo Hikaka
- 55 Sd/- Purna Chandra Sahu
- 56 LTI of Sigorom Hikaka
- 57 Sd/- Rajita Khosla
- 58 LTI of Bhangi Hikaka
- 59 LTI of Tulosa Hikaka
- 60 Sd/- Koyilo Hikaka
- 61 LTI of Tulosi Hikaka
- 62 LTI of Grime Hikaka
- 63 Sd/- Basa Hikaka
- 64 LTI of Rukuna Mandinga
- 65 LTI of Suaari Hikaka
- 66 Sd/- Juji Hikaka
- 67 LTI of Somi Hikaka
- 68 Sd/- Subudni Hikaka
- 69 LTI of Surmean :Hikaka

70	Sd/- Surata Hikaka
71	LTI of Harsha Mandinga
72	LTI of Maro Hikaka
73	Sd/- Nuhoma Mandinga
74	LTI of Panyi Hikaka
75	LTI of Sitme Hikaka
76	LTI of Ala Hikaka
77	LTI of Sbayi Hikaka
78	LTI of Dhilere Hikaka
79	LTI of Chandra Sekhar Sahu
80	Sd/- Jagannath Sahu
81	LTI of Alemen Hikaka
82	LTI of Rupere Hikaka
83	LTI of Nlaje Mandinga
84	LTI of Musuri Kasuka
85	LTI of Nimain Mandinga
86	Sd/- Abhiram Hikaka
87	LTI of Padla Hikaka
88	Sd/- Sahadev Sahu
89	LTI of Lupari Hikaka
90	Sd/- Jodu Mandinga
91	LTI of Luponu Hikaka
92	Sd/- Jujura Mandinga
93	LTI of Lupani Hikaka
94	LTI of jujura Hikaka
95	LTI of Danayi Hikaka
96	Sd/- Gobindo Mandinga
97	LTI of Bhagabati Rao
98	LTI of Radhai Hikaka
99	LTI of Lokam Hikaka
100	LTI of Lasayi Hikaka
101	LTI of Kunti Sahu
102	Sd/- Nisakar Hikaka
103	LTI of Sukayi Mandinga
104	LTI of Kamala Mandinga
105	LTI of Punemain Hikaka

- 106 LTI of Magi Hikaka
- 107 Sd/- Hikimi Hikaka
- 108 LTI of Janeyi Kulisika
- 109 LTI of Suleme Hikaka
- 110 Sd/- Ganga Hikaka
- 111 LTI of Kamala Sahu
- 112 LTI of Duki Kulosila
- 113 LTI of Kasari Deboka
- 114 Sd/- Sikari Kataka
- 115 LTI of Subhra Kulesika
- 116 Sd/- Samo Hikaka
- 117 Sd/- Puhulal Hikaka
- 118 LTI of Chandra Batic Sahu
- 119 LTI of Maleni Kousika
- 120 Sd/- Anirudha Jena
- 121 LTI of Kuni Sahu
- 122 LTI of Sukrno Gouda
- 123 LTI of Bharama Hikaka
- 124 LTI of Rebati Gouda
- 125 Sd/- Purna Chandra Sahu
- 126 LTI of Komosh Kumari Sahu
- 127 Sd/- Krishna Hikaka
- 128 LTI of Madona Sahu
- 129 LTI of Bhasi Kudi Hikaka
- 130 Sd/- Ramesh Hikaka
- 131 LTI of Kochayi Hikaka
- 132 LTI of Sashi Sahu

[illegible]

ମାଧବ ମହାପାତ୍ରଙ୍କୁ ଧର୍ମ-ମତ ଚର୍ଚ୍ଚା ପ୍ରାଧିକାରୀ ।

BLOCK DEVELOPMENT OFFICER
LAXMIPUR

ପ୍ରାଚୀନ ଇତିହାସ
ପରୀକ୍ଷା

X ଓଡ଼ିଆପେଣ୍ଠ ଗା.ପ୍ର.

১। ক্রমিক নং ১০০০১ (১৯৬৬ সনদ)
 S/L ১০০০১ খ্রমিক

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Blek der yde 6
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Bahallad Halwa
Chandras Halwa

Luki mandinga

Agasti Halwa

Sana mandinga

Ashanamala Baidika
ଅକ୍ଷୟନାମା ବିଡିକା

Tapan Nuchita

ତପନ ନୁଚିତା
ସାହିତ୍ୟ

ହରିଚନ୍ଦ୍ର ଚାନ୍ଦିକା
ହରିଚନ୍ଦ୍ର ଚାନ୍ଦିକା

ଦୀନା ଥାପୁ ମାନ୍ଦିଙ୍ଗା

ହରିଚନ୍ଦ୍ର ଚାନ୍ଦିକା

Kashi mandinga

ସମା ସାହିତ୍ୟ

ହରିଚନ୍ଦ୍ର ଚାନ୍ଦିକା

Hiki MI MANDINGA

ବନ ସାହିତ୍ୟ

ହରିଚନ୍ଦ୍ର ଚାନ୍ଦିକା

Padma mandinga

Harini mandinga

Ramesh Khatra
ପାଲେଇ ପ୍ରାନ୍ତ

1. ସାମାନ୍ତ ପ୍ରାନ୍ତ

ସାମାନ୍ତ ପ୍ରାନ୍ତ

Ramesh Baidika

Kamali Wandurga

ସୁପିତା ହାଲ୍ବା

ସାମାନ୍ତ ପ୍ରାନ୍ତ

Supita Halwa

2. Malati Khatra

ସାମାନ୍ତ ପ୍ରାନ୍ତ

Rajib Khatra

କିମ୍ବଦନ୍ତୀ

Udaya Sagaria

Chandrabati Sagaria

ଜଗଦିଶ୍ ନାଲ୍ବା

JAGADISH HALWA

ଚାମରା କାନ୍ଦୁଗା

3. Gauri Khatra
ଚାମରା କାନ୍ଦୁଗା

୨. Mahabati Halwa

ଦିନ ୨। ୩୫୫।

Parvati Halwa

ଦିନ ୩। ୩୫୫।

Alma Mandaga

ଦିନ ୩। ୩୫୫।

Dhuma Halwa

Dhuma Halwa

Indrahar Khana

Bonankhalwa

ଦିନ ୩। ୩୫୫।

Merua Halwa

ଦିନ ୩। ୩୫୫।

ଦିନ ୩। ୩୫୫।

ଦିନ ୩। ୩୫୫।

ଦିନ ୩। ୩୫୫।

Letena Khasta

2 Surobhi mandanga
ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

କୃଷ୍ଣା ନିରୁଦ୍ଧା

ସୁଦ୍ଧା ନିରୁଦ୍ଧା

Prabhu Hama

2 Surobhi mandanga
ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

କୃଷ୍ଣା ନିରୁଦ୍ଧା

କୃଷ୍ଣା ନିରୁଦ୍ଧା

2 Durmay mandanga
ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

2 Kusi mandanga
ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

2 Sebani mandanga
ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

ନିରୁଦ୍ଧା ନିରୁଦ୍ଧା

Bonla mandang

ବିଗ୍ରହ ସ୍ଥାପନ

ତାପସ ବିଚିତ୍ରା

ଦୀପଦଳ ବେଢ଼ିକା

Kapen mangar

Karna Hataea

ସୁଦା ମାଣିକା

ଅଳ୍ପ ବାରିକା

Sone mandang

ଚୁକ୍ତିଆ ବିଚିତ୍ରା

Rupai mandang

Nakula Garadia

Sabite Kurra garm

ଆଶାନ୍ତ ବିଚିତ୍ରା

କା କୁକ୍ତିଆ ବ୍ରାହ୍ମଣ୍ୟା

କାଶୀ ବାରିକା

Takamoni Halwa.

Nabax: Hiel

ଅର୍ଚ୍ଚନାମାଳିକା

ଆଦି ପଦ ପ୍ରାକ୍ତମ୍ଭା

କଳି ମାଳିକା

୧୩୭. Gomati Baidika

Subala Mahaxandara

ପଦ ପ୍ରାକ୍ତମ୍ଭା

ସୁମାଳି ପ୍ରାକ୍ତମ୍ଭା

୧୩୮. Kalapati Baidika

ପଦ ପ୍ରାକ୍ତମ୍ଭା

କଳାପତି ମାଳିକା

ବୃତ୍ତିକ ବିବିକା

୧୩୯. Menge Manjara

କଳି ମାଳିକା

Sadhu charan Baidika

ବୃତ୍ତି ବିବିକା

ବିଚାର ପ୍ରାକ୍ତମ୍ଭା

ବୃତ୍ତି ବିବିକା

ବୃତ୍ତି ବିବିକା



Singari Mandir

ସିଂହାରୀ ମନ୍ଦିର



Rupadi Mandir

ରୂପାଦି ମନ୍ଦିର



Brundaban Mandir

ବ୍ରଜବାନ ମନ୍ଦିର



Male Mandir

ମାଲ ମନ୍ଦିର

ନାଥ ମନ୍ଦିର



Pandava Mandir

ପାଣ୍ଡବ ମନ୍ଦିର



Sarangi Kirtan

ସରାଂଗୀ କିର୍ତ୍ତନ

Shyam Khona

ଶ୍ୟାମ ଖୋନା



Ila Mandir

ଇଲା ମନ୍ଦିର

Sirivai Mandira

Madhab Khora

48

2 Kulumandira

ସୁଖିନୀ ମାଳିକା

2 Bickla Turuk

ସୁଧର ବଳିକା

2 Chandra Bickla

Phulkumari Halwa

ସୁଧର ବାଳିକା

2 Singari Mandira

ସୁଖିନୀ ମାଳିକା

2 Ranki Mandira

ସାଧୁ ବାଳିକା

2 Ranki Mandira

ସାଧୁ ବାଳିକା



Lathi Mandira
ପୂର୍ବ ମାନ୍ତିକା



Madhira Mandira
ପୂର୍ବ ମାନ୍ତିକା



Diodi Mandira
ପୂର୍ବ ମାନ୍ତିକା



Boli Mandira
ପୂର୍ବ ମାନ୍ତିକା



Dodai Mandira
ପୂର୍ବ ମାନ୍ତିକା



Satyaboli Holra
ପୂର୍ବ ମାନ୍ତିକା



Dodan Mandira
ପୂର୍ବ ମାନ୍ତିକା



Sukani Vaidya

સુધી ૩/૧૫/૨૦૧૭



Rulerani Vaidya

રૂઢી ૩/૧૫/૨૦૧૭



Glabani Halva

ગ્લબની ૩/૧૫/૨૦૧૭



Mudani Vaidya

મુદની ૩/૧૫/૨૦૧૭



Kabani Vaidya

કબની ૩/૧૫/૨૦૧૭



Sabani Vaidya

સબની ૩/૧૫/૨૦૧૭

સબની ૩/૧૫/૨૦૧૭



Sunamoni Halva

સુનમની ૩/૧૫/૨૦૧૭



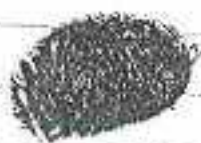
Anjalanti Vaidya

અંજાલંતી ૩/૧૫/૨૦૧૭



Gudem Kora

କାମାକ୍ଷୀ ମାତାଙ୍କୁ ସମର୍ପଣ



Mada Mandya

ବିଷ୍ଣୁଙ୍କୁ ସମର୍ପଣ



Bangani Culerika

କାମାକ୍ଷୀ ମାତାଙ୍କୁ



Mangala Kora

ବିଷ୍ଣୁଙ୍କୁ ସମର୍ପଣ



Mutai Mandya


ବିଷ୍ଣୁଙ୍କୁ ସମର୍ପଣ




Pulaka Mandya

ଜଗନ୍ନାଥଙ୍କୁ


ସମର୍ପଣ

 Sankti Mandir


ଅନନ୍ତାମାଳା

 koni Naekha

କଳିଙ୍ଗ ମାଳିକା

 Sankati Bop

ଅନନ୍ତାମାଳା ମାଳିକା

 Aranti Mandir

ଅନନ୍ତାମାଳା

 Laxmi Helwa

ଅନନ୍ତାମାଳା ମାଳିକା

 2. Boudh Mandir
ଅନନ୍ତାମାଳା ମାଳିକା

ENGLISH TRANSLATION OF GRAMA SABHA RESOLUTION

Village: Biriguda, Block: Laxmipur Dist-Koraput

Today dated 22.02.11 a Gram Sabha was organized at Biriguda School Ground at 8.10 A.M. which was presided over by Smt. Satai Hikaka, Sarapanch. Ward Member of the village, Sri Tapan Kumar Jena & Sri Satya Sundar Sahu- representative of the Company and other members were present in the meeting. Requirement of land in the Category of Forest kissam for Red Mud Pond /Bandha, 220 KV Line and the Joint Venture Company of Orissa Mining Corporation has been discussed in this meeting. Government (Forest Category) Land of one Khata no. 85 to an extent of Ac. 14.57(plot No.415), Ac. 30.98(plot No. 421), Ac. 0.66 (plot No.14) and in another Khata No.81 to an extent of Ac.10.80(plot No.418), Ac.0.93(plot No.15) , Ac.2.30(plot No.419) , Ac.1.54(plot No.481), Ac.0.82 (plot No.414) is required for Red Mud Bandha and for 220 KV Line to an extent of Ac.0.16 (Khata No.81-plot No. 127)and Ac.1.04(Khata No.81-plot No.15) and also to an extent of Ac.0.26(another Khata No.85-plot No.)14, Grand Total Area of Land 64.06 Acres or 25.925 Hec. of our village required for Aditya Aluminium.

As such 406.39 Hec. Forest Land of Kodingamali is required for mining activities of Orissa Mining Corporation, Orissa. We are giving in writing that there is no right, title and interest of any Scheduled Tribe, Scheduled Caste or General Category of people in those land as per Forest Rights Act 2006. We the undersigned villagers do not have any kind of objection over these Forest Land if the Government accords permission to lease out and/or give to the Aditya Aluminium (HINDALCO) company for its Red Mud Pond / Bandha, 220 KV Line and/or to the Joint Venture Orissa Mining Corporation, Orissa for mining activities. Thus all the villagers have given consent for the same.

At last the meeting ended with vote of thanks to President.

Sd/Block Development Officer

Sd/ Satai Hikaka

Laxmipur Block

Sarpanch, Odiapentha G.P.

Sd/Satya Sundar Sahoo, Aditya Aluminium

Sd/T.K.Jena, Aditya Aluminium

*True Copy forwarded
to English Attached.*


BLOCK DEVELOPMENT OFFICER
LAXMIPUR

1	Sd/-	Mayabati Halua (Ward Member)
2	Sd/-	Sitaram Khora
3	Sd/-	Jedisthira Halua
4	Sd/-	Balakdas Halua
5	Sd/-	Angad Kumar Bagh
6	Sd/-	Prahallad Halua
7	Sd/-	Chuchandra Halua
8	LTI of	Luki Mandinga
9	Sd/-	Agasti Halwa
10	LTI of	Sana Mandinga
11	Sd/-	Ashananda Bidika
12	Sd/-	Satyabana Bidika
13	Sd/-	Tapan Nachika
14	Sd/-	Kesaba Halua
15	Sd/-	Sandu Mandinga
16	Sd/-	Murti Mandinga
17	Sd/-	Premanand Minyaka
18	Sd/-	Jagarao Mandinga
19	Sd/-	Judisto Mandinga
20	LTI of	Kashi Mandinga
21	Sd/-	Sana Mandinga
22	Sd/-	Juri Mandinga
23	Sd/-	Hikimi Mandinga
24	Sd/-	Pabana Mandinga
25	Sd/-	Salu Mandinga
26	LTI of	Badru Mandinga
27	LTI of	Hajari Mandinga
28	Sd/-	Prasand Katriya
29	Sd/-	Gajendra Halua
30	LTI of	Sakari Halua
31	Sd/-	Mohana Halua
32	Sd/-	Ramesh Bidika
33	LTI of	Kamali Mandinga
34	Sd/-	Jubanti Bidika
35	Sd/-	Balakdas Haluwa
36	Sd/-	Sudipta Haluwa
37	LTI of	Malati Katriya
38	Sd/-	Saidi Haluwa
39	Sd/-	Rajiv Katriya
40	Sd/-	Janna Haluwa
41	Sd/-	Udaya Sagariya
42	LTI of	Chandrabati Sagariya
43	Sd/-	Baidehi Mandinga

44	Sd/-	Jagdish Haluwa
45	Sd/-	Mohana Haluwa
46	LTI of	Gouri Haluwa
47	Sd/-	Hari Mandinga
48	LTI of	Mayabati Haluwa
49	Sd/-	Bhima Haluwa
50	LTI of	Parvati Haluwa
51	Sd/-	Arjun Haluwa
52	LTI of	Alme Mandinga
53	Sd/-	Sasmita Mandinga
54	LTI of	Dahma Haluwa
55	Sd/-	Dinabandhu Mandinga
56	Sd/-	Trilochana Khora
57	Sd/-	Biswambar Halua
58	Sd/-	Jaganath Haluwa
59	Sd/-	Meruna Haluwa
60	Sd/-	Poramananda Haluwa
61	LTI of	Guru Bidika
62	Sd/-	Virendra Garadia
63	LTI of	Lelen Khosla
64	LTI of	Surabhi Mandangi
65	Sd/-	Niranjan Bidika
66	Sd/-	Kuntala Bidika
67	Sd/-	Susuma Khara
68	Sd/-	Prahallad Haluwa
69	Sd/-	Akula Naik
70	LTI of	Suri Mandinga
71	Sd/-	Hajari Mandinga
72	Sd/-	Kasma Mandinga
73	LTI of	Durja Mandinga
74	Sd/-	Sai Mandinga
75	Sd/-	Sahadev Bidika
76	Sd/-	Surendra Nayak
77	Sd/-	Menaka Khora
78	LTI of	Runi Mandinga
79	Sd/-	Dombu Nachika
80	Sd/-	Satyabana Bidika
81	LTI of	Sabari Mandinga
82	Sd/-	Rasi Mandinga
83	Sd/-	Ajay Ku. Jena
84	LTI of	Ponla Mandinga
85	Sd/-	Bibhisana Haluwa
86	Sd/-	Gobinda Bidika

87	Sd/-	Damodar Bidika
88	LTI of	Rajen Nayak
89	Sd/-	Karna Haluwa
90	Sd/-	Brunda Mandinga
91	Sd/-	Aju Mandinga
92	LTI of	Sonu Mandinga
93	Sd/-	Chheliya Bidika
94	LTI of	Rupal Mandinga
95	Sd/-	Nakula Garadia
96	LTI of	Sabita Kumari Guru
97	Sd/-	Ashananda Bidika
98	Sd/-	Babula Haluwa
99	Sd/-	Jogi Mandinga
100	LTI of	Taramoni Haluwa
101	Sd/-	Nabina Hial
102	Sd/-	Arjuna Mandangi
103	Sd/-	Lavanya Haluwa
104	Sd/-	Karna Mandinga
105	LTI of	Gomati Bidika
106	Sd/-	Subala Maharandia
107	Sd/-	Banu Haluwa
108	Sd/-	Susanta Haluwa
109	LTI of	Kalabati Bidika
110	Sd/-	Dalimba Haluwa
111	Sd/-	Hemachandra Mandinga
112	Sd/-	Ranjit Bidika
113	LTI of	Mange Mandinga
114	Sd/-	Pintu Mandinga
115	Sd/-	Sadhucharan Turuk
116	Sd/-	Chhabi Bidika
117	Sd/-	Tapan Haluwa
118	Sd/-	Patu Miniyaka
119	Sd/-	Tankadhar Bidika
120	LTI of	Sugari Mandinga
121	LTI of	Rupadai Mandinga
122	Sd/-	Lakhana Nayak
123	LTI of	Brundabati Garada
124	Sd/-	Musa Mandinga
125	Sd/-	Bela Haluwa
126	LTI of	Ude Mandinga
127	Sd/-	Lachiya Mandinga
128	LTI of	Padana Mandinga
129	Sd/-	Gokul Ku. Bag

130	LTI of	Sarajm Bidika
131	Sd/-	Upendra Kulusika
132	Sd/-	Sanjiba Mandala
133	Sd/-	Sitaram Khora
134	LTI of	Ilai Mandinga
135	Sd/-	Odiya Mandinga
136	LTI of	Sirini Mandinga
137	Sd/-	Madhab Khora
138	LTI of	Puhu Mandinga
139	Sd/-	Puma Chandra Mandinga
140	LTI of	Bisakha Turuk
141	Sd/-	Sudhir Ekaka
142	LTI of	Chandra Bidika
143	LTI of	Phulkumari Haluwa
144	Sd/-	Sarama Mandinga
145	LTI of	Singari Mandinga
146	Sd/-	Upendra Mandinga
147	LTI of	Ronal Mandinga
148	Sd/-	Sadhu Kulosika
149	LTI of	Renuka Mandinga
150	Sd/-	Dasuru Kulesika
151	LTI of	Ladia Mandinga
152	Sd/-	Gupta Mandinga
153	LTI of	Madhini Mandinga
154	Sd/-	Tumbi Mandinga
155	LTI of	Diodi Mandinga
156	Sd/-	Kailasa Nachika
157	LTI of	Boli Mandinga
158	Sd/-	Prakash Mandinga
159	LTI of	Datar Mandinga
160	Sd/-	Prasari Mandinga
161	LTI of	Satyabati Haluwa
162	Sd/-	Rajib Mandinga
163	LTI of	Dasan Mandinga
164	Sd/-	Siuda Mandinga
165	LTI of	Sakara Mandinga
166	Sd/-	Bunda Mandinga
167	LTI of	Rukine Mandinga
168	Sd/-	Bhima Mandinga
169	LTI of	Ghasi Halwa
170	Sd/-	Reli Mandinga
171	LTI of	Matai Mandinga
172	Sd/-	Dumbi Mandinga

173	LTI of	Kabai Mandinga
174	Sd/-	Payalu Mimiaka
175	LTI of	Sabai Mandinga
176	Sd/-	Juri Mandinga
177	Sd/-	Tikina Mandinga
178	LTI of	Sunamani Haluwa
179	Sd/-	Goutam Turuk
180	LTI of	Anjabati Mandinga
181	Sd/-	Hikim Mandinga
182	LTI of	Goalem Khora
183	Sd/-	Kaste Mandinga
184	LTI of	Mada Mandinga
185	Sd/-	Kshetrabasi Haluwa
186	LTI of	Bangari Kulesika
187	Sd/-	Sarama Mandangi
188	LTI of	Mangalen Khora
189	Sd/-	Premananda Bidika
190	LTI of	Mutai Mandinga
191	Sd/-	Santosh Bidika
192	LTI of	Tulasa Mandinga
193	Sd/-	Goutam Turuq
194	Sd/-	Hikim Mandinga
195	LTI of	Sanari Mandinga
196	Sd/-	Ghanashyam Haluwa
197	Sd/-	Kashti Mandinga
198	LTI of	Koni Nachika
199	Sd/-	Bipin Mandinga
200	Sd/-	Kasha Kambeka
201	LTI of	Avanti Mandinga
202	Sd/-	Jhuhu Guru
203	Sd/-	Premachandra Mandinga
204	LTI of	Laxmi Haluwa
205	Sd/-	Arjun Mandinga
206	LTI of	Bonda Mandinga
207	Sd/-	Yarnika Haluwa



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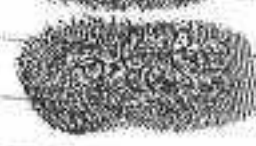
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 Panna Sahu

 Kamala Hinkaka

ପ୍ରମୁଖ ସ୍ୱାମୀ

ପ୍ରମୁଖ ସ୍ୱାମୀ

 Chelia Hinkaka


 Dama Hinkaka

ପ୍ରମୁଖ ସ୍ୱାମୀ


 Alai Hinkaka

ପ୍ରମୁଖ ସ୍ୱାମୀ

 Mangatu Mandingo

 Jale Hinkaka

 Ashi Hinkaka

 Gumbi Hinkaka

ପ୍ରମୁଖ ସ୍ୱାମୀ

 Kolia Hinkaka

 Sadani Hinkaka

ପ୍ରମୁଖ ସ୍ୱାମୀ

Subi Hixake

Subi Hixake

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ଶମ୍ଭୁ ଶ୍ରୀ ଶ୍ରୀମାତା
Shambhu Shri



Doi Hika

ପ୍ରଦତ୍ତ ପ୍ରଦାନ



Daru Mandinga

ପ୍ରଦତ୍ତ ପ୍ରଦାନ

ପ୍ରଦତ୍ତ ପ୍ରଦାନ



Salva Hika

ପ୍ରଦତ୍ତ ପ୍ରଦାନ



Jama Hika



Rafi Mandinga

Kapi Hika

ପ୍ରଦତ୍ତ ପ୍ରଦାନ



Sanavi Hika

ପ୍ରଦତ୍ତ ପ୍ରଦାନ



Darva Hika

ପ୍ରଦତ୍ତ ପ୍ରଦାନ

ପ୍ରଦତ୍ତ ପ୍ରଦାନ



Kompa Mandangi

ପ୍ରଦତ୍ତ ପ୍ରଦାନ

Kalash Hika

ପ୍ରଦତ୍ତ ପ୍ରଦାନ

Tilak Hikka

ପ୍ରାଣୀ ପ୍ରାଣୀ

Dr. Purni Mandangi

ସାମୁଦ୍ରିକ ପ୍ରାଣୀ

ପ୍ରାଣୀ Hikka

Bapir Hikka

ପ୍ରାଣୀ ପ୍ରାଣୀ

ପ୍ରାଣୀ ପ୍ରାଣୀ

Prate Hikka

Prate kaleika

Mum Hikka

ପ୍ରାଣୀ ପ୍ରାଣୀ

ପ୍ରାଣୀ ପ୍ରାଣୀ

ପ୍ରାଣୀ ପ୍ରାଣୀ

Kurva Hikka

ନାମାମି ମାଧୀ

Dalme Hikka

ପ୍ରାଣୀ ପ୍ରାଣୀ

ପ୍ରାଣୀ ପ୍ରାଣୀ

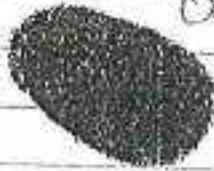


Bukura hikaka

Sindura Mimbaka

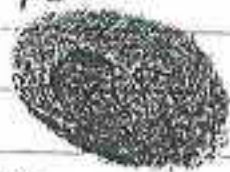
Simi Simi Simi

Santosh khufu



Raj Mandang

Halai lanta Mandha



Amala hikaka



Berulhan hikaka

Simi Simi

Simi Simi



Gura hikaka

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Durab hikaka



Ponta hikaka

Randura Simi



Chikoni hikaka

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Halani hikaka

Simi Simi



Nhila Hinkaka

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Utma Hinkaka



Mupai Hinkaka

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Gono Hinkaka



Kumbitaka



Palai Hinkaka



Besa Hinkaka



Rurai Hinkaka



Sikodi Hinkaka

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Panna Chanda Nankaka



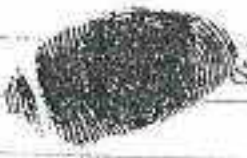
Panna Hinkaka

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Ramby Hikaka

ਚਮਕੀਲੀ ਸਮੁੰਦਰ



Chikun Hikaka



Maji Vanayana



Niwai Hikaka

ਚਮਕੀਲੀ ਸਮੁੰਦਰ



Bajji Hikaka



Ram Khara

ਚਮਕੀਲੀ ਸਮੁੰਦਰ



Resi Khara

ਚਮਕੀਲੀ ਸਮੁੰਦਰ



Lachho Hikaka



Bandishi manilaga

ਚਮਕੀਲੀ ਸਮੁੰਦਰ



Sajiga Hikaka

ਚਮਕੀਲੀ ਸਮੁੰਦਰ

ନିଜ ନାମ

ପଞ୍ଜୀକୃତ

କାର୍ଯ୍ୟ ଦିନ

God Machine

ବିଶିଷ୍ଟ କାର୍ଯ୍ୟ

ନିଜ ନାମ ଦିଅନ୍ତୁ

କାର୍ଯ୍ୟ ଦିନ

କାର୍ଯ୍ୟ ଦିନ

କାର୍ଯ୍ୟ ଦିନ

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କାର୍ଯ୍ୟ ଦିନ

Machine Machine

କାର୍ଯ୍ୟ ନାମ

କାର୍ଯ୍ୟ ଦିନ

କାର୍ଯ୍ୟ ଦିନ

କାର୍ଯ୍ୟ ଦିନ

Machine

ENGLISH TRANSLATION OF GRAMA SABHA RESOLUTION

Village:Rajan Panasguda,Block:Laxmipur,Dist:Koraput

Today dated 22.02.11 a Gram Sabha was organized at Village Street of Rajan Panas Guda at 11.30 A.M. which was presided over by Smt. Satai Hikaka, Gram Panchayat Sarapanch. All villagers, Ward Member of the village, Sri Tapan kumar Jena & Sri Satya Sundar Sahu- representative of the Company and other members were present in the meeting. Requirement of land in the Category of Forest kissam for 220 KV Line, Red Mud Pond and mining activities was discussed in this meeting. Government (Forest Category) Land to an extent of Ac. 0.85(in Khata No.60 - plot No.379) for 220 KV Line and, an extent of Ac.7.80 (Khata No.60-plot No. 24)and Ac.12.20 (Khata No.60- plot No.30) for Red Mud Bandha came to our knowledge. Grand Total Area of Land 20.00 Acres of our village.

As such 406.39 Hec. RF Land of Kodingamali is required for mining activities. It was known that as per Government rules/laws permission has to be sought from Central Government for using these lands for non-forest or mining activities. Therefore we the undersigned signatories bring to the notice of Government that there is no right, title and interest of any Scheduled Tribe, Scheduled Caste or General Category of people in those land as per Forest Rights Act 2006. We do not have any kind of objection over these Forest Land if the Government accords permission to lease out and/or give to the Aditya Aluminium (HINDALCO) company for its 220 KV Line, Red Mud Pond and/or to the Joint Venture Orissa Mining Corporation, Orissa for mining activities. Thus all the villagers have given consent for the same.

At last the meeting ended with vote of thanks to President.

Sd/Block Development Officer

Sd/ Satai Hikaka

Laxmipur Block

Sarpanch, Odiapentha G.P.

Sd/Satya Sundar Sahoo, Aditya Aluminium

Sd/T.K.Jena, Aditya Aluminium

1 LT/- Sata Hikaka

2 LT/- Lada Hikaka

True Copy transmitted to
English - Attached -


BLOCK DEVELOPMENT OFFICER,
LAXMIPUR

3	Sd/-	Brahma Hikaka
4	LTII/-	Mukuna Mandinga
5	Sd/-	Binod Hikaka
6	Sd/-	Munda Hikaka
7	Sd/-	Sukuma Mandangi
8	LTII/-	Surya Hikaka
9	LTII/-	Genu Hikaka
10	Sd/-	Sanadar Hikaka
11	Sd/-	Budra Hikaka
12	LTII/-	Nabin Hikaka
13	LTII/-	Bijaya Hikaka
14	Sd/-	Jala Hikaka
15	Sd/-	Benu Hikaka
16	Sd/-	Sankaru Kandagori
17	Sd/-	Murtu Hikaka
18	Sd/-	Sama Hikaka
19	LTII/-	Para Sahu
20	LTII/-	Kamaja Hikaka
21	Sd/-	Banshi Hikaka
22	Sd/-	Munna Sahu
23	LTII/-	Chtera Hikaka
24	LTII/-	Dasani Hikaka
25	Sd/-	Pilku Hikaka
26	LTII/-	Alai Hikaka
27	Sd/-	Lichi Kulamika
28	LTII/-	Manjula Manding
29	LTII/-	Chaker Hikaka
30	LTII/-	Ch. Ganlani Hikaka
31	Sd/-	Chankaya Hikaka
32	LTII/-	Kalia Khora

33	LTII/-	Sadari Hikaka
34	Sd/-	Raju Hikaka
35	Sd/-	Supriya Panda
36	LTII/-	Subi Hikaka
37	Sd/-	Raju Sahoo
38	LTII/-	Majhini Hikaka
39	Sd/-	Murty Hikaka
40	LTII/-	Anbaji Kusika
41	Sd/-	Ruku Hikaka
42	Sd/-	Dani Hikaka
43	LTII/-	Dhanu Mandangi
44	Sd/-	Tile Mandangi
45	Sd/-	Aswini Kumar Panda
46	LTII/-	Alme Hikaka
47	LTII/-	Singari Hikaka
48	LTII/-	Nila Mandangi
49	Sd/-	Kulka Kulika
50	Sd/-	Kailash Mandangi
51	LTII/-	Kata Hikaka
52	LTII/-	Phula Hilala
53	Sd/-	Sahayam Hikaka
54	Sd/-	Ananda Hikaka
55	LTII/-	Dai Hikaka
56	Sd/-	Sundar Hikaka
57	LTII/-	Daru Mandangi
58	Sd/-	Rajander Hikaka
59	Sd/-	Deruku Hikaka
60	LTII/-	Semi Hikaka
61	Sd/-	Safuku Hikaka
62	LTII/-	Jansa Hikaka

63	LTII/-	Rati Mandangi
64	Sd/-	Bapi Hikaka
65	Sd/-	Babula Khora
66	LTII/-	Sakri Hikaka
67	Sd/-	Amin Hikaka
68	LTII/-	Derita Hikaka
69	Sd/-	Harsa Hikaka
70	Sd/-	Mamata Khora
71	LTII/-	Kamala Mandangi
72	Sd/-	Susila Khora
73	Sd/-	Hari Hikaka
74	Sd/-	Basant Hikaka
75	LTII/-	Talai Hikaka
76	LTII/-	Papuni Mandangi
77	Sd/-	Danu Hikaka
78	LTII/-	Kusuma Hikaka
79	LTII/-	Bapina Hikaka
80	Sd/-	Sara hikaka
81	Sd/-	hati Hikaka
82	Sd/-	Male Hikaka
83	Sd/-	Titra Kalasika
84	Sd/-	Muni Hikaka
85	LTII/-	Rabi Hikaka
86	Sd/-	Arjuna Hikaka
87	Sd/-	Ramesh Bidika
88	LTII/-	kasai Hikaka
89	Sd/-	Basmiki Martha
90	LTII/-	Dame Hikaka
91	Sd/-	Sadhu Kulesika
92	Sd/-	Parasam Hikaka

93	LTII/-	Budura Hikaka
94	Sd/-	Sunidara Miniaka
95	Sd/-	Chandra Hikaka
96	Sd/-	Santosh Khura
97	LTII/-	Rai Mandangi
98	Sd/-	Nalinikanta Martha
99	LTII/-	Berdhan Hikaka
100	Sd/-	Dukhi Hikaka
101	Sd/-	Jini Hikaka
102	LTII/-	Gura Hikaka
103	Sd/-	Patal Hikaka
104	Sd/-	Haria Hikaka
105	Sd/-	Darab Hikaka
106	Sd/-	Ponia Hikaka
107	Sd/-	Chikmi Hikaka
108	Sd/-	Munji Surinarayana
109	Sd/-	Chhabi Hikaka
110	LTII/-	Anila Hikaka
111	Sd/-	Chaki Hikaka
112	LTII/-	utam Hikaka
113	Sd/-	Mukai Hikaka
114	Sd/-	Paban Hikaka
115	LTII/-	Guru Hikaka
116	LTII/-	Kunti Hikaka
117	LTII/-	Besa Hikaka
118	LTII/-	Rupai Hikaka
119	LTII/-	Sibadi Hikaka
120	Sd/-	Kumari Khora
121	Sd/-	Udaya Mandangi
122	Sd/-	Purna Chandra Martha

123	LTII/-	Panja Hikaka
124	Sd/-	Prabahat Majhi
125	LTII/-	Rambi Hikaka
126	Sd/-	Jamadar Khora
127	LTII/-	Chikun Hikaka
128	LTII/-	Tulsi Narayana
129	LTII/-	Nilai Hikaka
130	Sd/-	Baljayantimala Khora
131	LTII/-	Baisi Hikaka
132	LTII/-	Rami Khora
133	Sd/-	Bijay Kumar Khora
134	LTII/-	Rali Khora
135	Sd/-	Lingaraj Khora
136	LTII/-	Lachha Hikaka
137	Sd/-	Tunkudi Mandangi
138	Sd/-	Monalisa Khora
139	LTII/-	Saiba Hikaka
140	Sd/-	Renuka Khora
141	Sd/-	Mita Mauji
142	Sd/-	Gouri Chandra Rath
143	Sd/-	kasi Hikaka
144	Sd/-	Kailash Banisa
145	Sd/-	Nityananda Hikaka
146	Sd/-	Rabi Hikaka
147	Sd/-	Murmu Hikaka
148	Sd/-	Santi Hikaka
149	Sd/-	Dukhu Hikaka
150	Sd/-	Alu Kulusika
151	Sd/-	Sadhu Kulesika
152	Sd/-	Haqi Hikaka

153	Sd/-	Smyama Bebria
154	LTII/-	Majhin Mandangi
155	Sd/-	Tripati Mayuji
156	Sd/-	Mandra Hikaka
157	Sd/-	Purusotam Hikaka
158	LTII/-	Minati Hikaka

ଅନା ଲା 22.02.11 ରେ ଆମ୍ଭ ଗ୍ରାମ ଲକ୍ଷ୍ମୀପୁର ଗ୍ରାମ ପାଳିକା
 ଗ୍ରାମପଞ୍ଚାୟତ ଦ୍ଵାରା ୧୦ କଟିକା ସମ୍ବଳରେ ଗ୍ରାମ ନିର୍ମାଣ ପ୍ରକଳ୍ପ ଗ୍ରାମପଞ୍ଚାୟତ
 ପ୍ରଶାସନରେ ଏକ ଗ୍ରାମ ପ୍ରଶାସନ ଆବେଦନ ଗ୍ରହଣ କରାଯାଇଛି । ଏହି ଗ୍ରାମ ପ୍ରଶାସନ ଗ୍ରାମ
 ସମସ୍ତ ପ୍ରଶାସନ ଦ୍ଵାରା ସମ୍ବଳ ଏବଂ ଆବେଦନ ଆବେଦନ କରାଯାଇଛି ଏବଂ ଗ୍ରାମ
 ପ୍ରଶାସନର ସ୍ଵାଧୀନ ଓ ଗ୍ରାମ ପ୍ରଶାସନର ଗ୍ରାମ ଏବଂ ଅନ୍ୟାନ୍ୟ ପ୍ରକଳ୍ପର ସ୍ଵାଧୀନ
 ପ୍ରକଳ୍ପ । ଏହି ପ୍ରକଳ୍ପର କାର୍ଯ୍ୟକାରୀ ହେବାରୁ ନିର୍ମାଣକ୍ଷେତ୍ର ୨୨୦ କେ.ବି. ହେବ ଓ
 ଏବଂ ମୂଲ୍ୟ ହେବାରୁ ଲାଭ ଆବେଦନ ପ୍ରକଳ୍ପର ଗ୍ରାମ ଏବଂ ନିର୍ମାଣକ୍ଷେତ୍ର
 କାର୍ଯ୍ୟକାରୀ ହେବ । ଆମ୍ଭ ଗ୍ରାମର ପ୍ରକଳ୍ପର ନିର୍ମାଣକ୍ଷେତ୍ର ୨୨୦ କେ.ବି. ହେବାରୁ
 ଲାଭ ୧୦.୪୨୪୨ ଏବଂ ୧୦.୦୮୭୭, ଲାଭ ୧୦.୧୩୪୨ ଏବଂ ୧୦.୩୫୫୨, ୧୩୨୨ ଏବଂ ୧୦.୪୨୫୨ ଲାଭ
 ଲାଭ ୧୦.୩୫୫୨ ଏବଂ ୧୦.୩୫୫୨ ଏବଂ ୧୦.୩୫୫୨ ଏବଂ ୧୦.୩୫୫୨ ଏବଂ ୧୦.୩୫୫୨
 ଆମ୍ଭ ଏବଂ ୧୦.୦୦୪.୧୧ କିମ୍ବା ୧୦.୪୦୨.୩୧୧୨ ଏବଂ ଆବେଦନ କରାଯାଇଛି ।
 ଗ୍ରାମପଞ୍ଚାୟତ । ଏହି ନିର୍ମାଣ ପ୍ରକଳ୍ପର ଲାଭ ଅନୁସାରେ ଅନୁଗ୍ରହ କରାଯାଇ
 ହେବାରୁ କାର୍ଯ୍ୟକାରୀ ହେବାରୁ ନିର୍ମାଣକ୍ଷେତ୍ର ଲାଭ ପ୍ରକଳ୍ପର ଅନୁଗ୍ରହ କରାଯାଇ
 ନିର୍ମାଣ ଆବେଦନ ପ୍ରକଳ୍ପ ଆବେଦନ କରାଯାଇଛି । ଏହିପ୍ରକାର ଆବେଦନ
 ନିର୍ମାଣ ପ୍ରକଳ୍ପର ପ୍ରକଳ୍ପର ଲାଭକାରୀ ହେବାରୁ ଏହି ନିର୍ମାଣ ପ୍ରକଳ୍ପର ଲାଭ
 କାର୍ଯ୍ୟକାରୀ ହେବାରୁ ଆବେଦନ ଏବଂ ଅନ୍ୟାନ୍ୟ ଗ୍ରାମପଞ୍ଚାୟତର ମାହିନୀ (କାର୍ଯ୍ୟ
 କାର୍ଯ୍ୟକାରୀ ହେବାରୁ ଆବେଦନ ୨୦୦୦) ଅନୁସାରେ ନିର୍ମାଣ । ଏବଂ ଗ୍ରାମପଞ୍ଚାୟତ
 ଲାଭ ଏବଂ ମୂଲ୍ୟ ହେବାରୁ ଲାଭକାରୀ ହେବାରୁ ନିର୍ମାଣକ୍ଷେତ୍ର ଲାଭକାରୀ
 କାର୍ଯ୍ୟକାରୀ ହେବାରୁ ଆବେଦନ ଆବେଦନ କରାଯାଇଛି । କିମ୍ବା ଏବଂ
 ଆବେଦନକାରୀ ମୂଲ୍ୟ କାର୍ଯ୍ୟକାରୀ ହେବାରୁ ଲାଭକାରୀ ହେବାରୁ ନିର୍ମାଣକ୍ଷେତ୍ର
 ଆବେଦନ ଏବଂ କାର୍ଯ୍ୟକାରୀ ହେବାରୁ ଲାଭକାରୀ ହେବାରୁ ନିର୍ମାଣକ୍ଷେତ୍ର
 ଅନୁଗ୍ରହ କରାଯାଇଛି ; ଅନ୍ୟାନ୍ୟ ସମସ୍ତ ଗ୍ରାମପଞ୍ଚାୟତର ଏହିପରି ସମସ୍ତ ସମସ୍ତ ।

Time not attached

BLOCK DEVELOPMENT OFFICER
 LAXMIPUR

ସେକ୍ସନ୍ ଡେପୁଟି କମିଶନର ଗ୍ରାମ ପାଳିକା

BLOCK DEVELOPMENT OFFICER
 LAXMIPUR

ଗ୍ରାମପଞ୍ଚାୟତ
 ପ୍ରଶାସନ
 X ଓଡ଼ିଆପୋଖ ଗ୍ରାମ.ପ.

Satya Sunder Saloo
 Aditya Aluminium
 (T.K. Jena)
 Aditya Aluminium

ଲକ୍ଷ୍ମୀପୁର
 ଲକ୍ଷ୍ମୀପୁର
 ଲକ୍ଷ୍ମୀପୁର

+ Krashtma Harkana
କାଶ୍ଟମା ହାକନା
କାଶ୍ଟମା ହାକନା
କାଶ୍ଟମା ହାକନା

କାଶ୍ଟମା ହାକନା
କାଶ୍ଟମା ହାକନା
କାଶ୍ଟମା ହାକନା

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କାଶ୍ଟମା ହାକନା

କାଶ୍ଟମା ହାକନା



ਬਾਨੀ ਕੁੰਦਲਾ



ਬੰਦੀ ਕੁੰਦਲਾ



ਬੰਦੀ ਕੁੰਦਲਾ



ਬੰਦੀ ਕੁੰਦਲਾ



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ਬੰਦੀ ਕੁੰਦਲਾ



ਬੰਦੀ ਕੁੰਦਲਾ

1
ହାତୀ ହିକା ।



Pengsa Hika

ବାସିନି ହିକା ।

ସିକାରି ହିକା ।



Sikari Hika

ମୁକ୍ତି ହିକା ।



Lakma Hika

ବୁଦ୍ଧ ହିକା ।

ମୁକ୍ତି ହିକା ।



Rai Hika

ମନ ହିକା ।

ସାବି ହିକା ।



Sabi Hika

Simanchola Mochepetkar



Sinde Hika



Tilari Hika

କାମୁକ ହିକା ।

ସୂର୍ଯ୍ୟ ଦିନକା



Surya Hika

ସୁମିତ୍ର ଦିନକା



Sumitra Hika

ସୁଲକ୍ଷ୍ମ ଦିନକା

Sulakshma Hika



Maga Hika

ସୁଲକ୍ଷ୍ମ ଦିନକା



Dame Hika

କୃତ୍ତିକା ଦିନକା



Ale Hika

ବ୍ରାହ୍ମ କର୍ମ ମହାପତ୍ର



Urahuda Hika

ସୁମିତ୍ର ଦିନକା



Uraane Hika



Ur-katne Hika

ସମ ଦୁକା


 Dr. Hindi Hika

ସମ ଦୁକା


 Dr. Muni Hika

ସମ ଦୁକା

ସମ ଦୁକା

 Dr. Sany Hika

କାହା ଦୁକା

 Dr. Izura Hika

କାହା ଦୁକା

 Dr. Ohari Hika

କାହା ଦୁକା

 Dr. Dhen Hika

କାହା ଦୁକା

 Dr. Sue Hika

ସମ ଦୁକା

ਪ੍ਰਭਾਤ ਹਿਕਾ

dr Saiji Hika

ਕਾਮਾ ਹਿਕਾ

Blaw Hika

dr Sunaki Hikaka

Bimka Hika Ka

Uchab Hika

Bora Hika Ka

ਦੇਵੀ ਹਿਕਾ

dr Rukun Hika Ka

ਸ਼ਾਮ ਹਿਕਾ

Hadu Hika

ਸ਼ਾਂਤਿ ਹਿਕਾ

Sarai Hika

Raida Hika



Dr. Bayanai Hikake

5/15/16



Dr. Suroi Hikake

6/15/16



Dr. Pahara Hikake

6/15/16



Dr. Dae Hikake



Dr. Sero Hikake



Dr. Manjai Hikake

5/15/16



Dr. Rukan Hikake

6/15/16



Dr. Pan Hikake



Dr. Suroya Hikake



Jani hikaka



Bhau Paraka

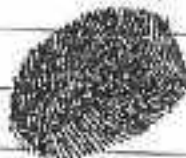


Dr. Ram Medika



Ajodi hikaka

॥ श्री श्री ॥



Palaye hikaka

॥ श्री श्री ॥



Dr. Miki hikaka



Dr. Kastura hikaka



Dr. Sabha hikaka



Dr. Tika Parake

Dr. Kanti Pooke

ଜାତୀୟ ଦିବସ
ଭୂବିଜ୍ଞାନ

Dr. Rati Hikaka

ସମ୍ପଦ ଦିବସ

Dr. Sual Hikaka

ପ୍ରଜାତନ୍ତ୍ର ଦିବସ

Dr. Jaimi Minako

ଜାତୀୟ ଦିବସ

Dr. Clachini Hikaka

ମାତୃ ଦିବସ

Dr. Sindu Hikaka



ch sabai hikaka



Daga hikaka



ch jirai hikaka



ch Rupai hikaka

ch/ganeri



ch Des hikaka

ch/ganeri



ch Talhai hikaka

ENGLISH TRANSLATION OF GRAMA SABHA RESOLUTION

Village: Talakaipadar, Block: Laxmipur, Dist: Koraput

Today dated 22.02.11 a Gram Sabha was organized village street of Talakaipadar at 9.10 A.M. , which was presided over by Smt. Satai Hikaka, Gram Panchayat Sarapanch. All villagers, Ward Member of the village, Sri Tapan kumar Jena & Sri Satya Sundar Sahu- representative of the Company and other members were present in the meeting. Requirement of land in the Category of Forest kissam for 220 KV Line and mining activities was discussed in this meeting. Government (Forest Category) Land of one Khata no.to an extent of Ac. 1.09(plot No.474), Ac. 0.25(-plot No.134), Ac. 0.42(plot No.132).Grand Total Area of Land is Ac 1.76 required of our village and as such Ac 1004.19 or 406.39 Hectres RF Land of Kodingamali is required for mining activities. As per Government rules/laws permission has to be sought from Central Government for using these lands for non-forest or mining activities. Therefore we the undersigned villagers wanted to bring it to the notice of Government that there is no right, title and interest of any Scheduled Tribe, Scheduled Caste or General Category of people in those land as per Forest Rights Act 2006.We do not have any kind of objection over these Forest Land if the Government accords permission to lease out and/or give to the Aditya Aluminium (HINDALCO) company for 220 KV Line and/or to the Joint Venture Orissa Mining Corporation, Orissa for mining purpose. Thus all the villagers have given consent for the same.

At last the meeting ended with vote of thanks to all present

Sd/Block Development Officer
Laxmipur Block

Sd/Satai Hikaka


Sarapanch, Odipantha GP

Sd/Satya Sundar Sahoo, Aditya Aluminium

Sd/T.K.Jena, Aditya Aluminium


True Copy Translated
to English. Attest


BLOCK DEVELOPMENT OFFICER
LAXMIPUR




1	Sd/-	Kabi Hikaka
2	Sd/-	Samburu Hikaka
3	Sd/-	Jiba Hikaka
4	Sd/-	Odiya Hikaka
5	Sd/-	Krushna Hikaka
6	LT/-	Gobinda Hikaka
7	LT/-	Rama Hikaka
8	Sd/-	Ramesh Hikaka
9	LT/-	Hari Hikaka
10	Sd/-	Bhima Hikaka
11	Sd/-	Jhina Hikaka
12	Sd/-	Prabhat Hikaka
13	Sd/-	Raj Hikaka
14	Sd/-	Param Hikaka
15	Sd/-	Ubha Praska
16	LT/-	Siu Hikaka
17	LT/-	Bitu Hikaka
18	Sd/-	Mina Hikaka
19	Sd/-	Sharma Hikaka
20	Sd/-	Bana Hikaka
21	LT/-	Gopi Hikaka
22	LT/-	Goma Hikaka
23	LT/-	Hasi Hikaka
24	LT/-	Sambu Hikaka
25	LT/-	Sakra Hikaka
26	LT/-	Danisi Hikaka
27	LT/-	Puri Hikaka
28	LT/-	Bansi Hikaka

29	LT/-	Adi Hikaka
30	LT/-	Sama Hikaka
31	LT/-	Judai Hikaka
32	LT/-	Sikari Hikaka
33	Sd/-	Mai Hikaka
35	Sd/-	Hiru Hikaka
36	LT/-	Jini Hikaka
37	Sd/-	Gaji Hikaka
38	LT/-	Saroj Hikaka
39	Sd/-	Angada Hikaka
40	LT/-	Hansha Hikaka
41	LT/-	Singari Hikaka
42	LT/-	Golimi Hikaka
43	Sd/-	Mudu Hikaka
44	Sd/-	Salia Hikaka
45	LT/-	Kunti Hikaka
46	LT/-	Rupdei Hikaka
47	Sd/-	Sunari Hikaka
48	LT/-	Benga Hikaka
49	Sd/-	Jagabirsa Hikaka
50	Sd/-	Sikari Hikaka
51	LT/-	Sitam Hika
52	Sd/-	Lilu Hikaka
53	LT/-	Lakma Hika
54	Sd/-	Krushna Hikaka
55	Sd/-	Lai Hikaka
56	LT/-	Rai Hika
57	Sd/-	Mina Hikaka
58	Sd/-	Ram Hikaka
59	LT/-	Salai Hika



60	Sd/-	Simanchala Mohapatra
61	LT/-	Side Hika
62	LT/-	Tikri Hika
63	Sd/-	Kaduli Hikaka
64	Sd/-	Raba Hikaka
65	LT/-	Seta Hika
66	Sd/-	Subash Hikaka
67	LT/-	Tabali Hika
68	Sd/-	Sala Hikaka
69	Sd/-	Mina Hikaka
70	LT/-	Maga Hika
71	Sd/-	Sabura Hikaka
72	LT/-	Dame Hika
73	Sd/-	Bibhisan Hikaka
74	LT/-	Ale Hika
75	Sd/-	Prabhat Kumar Mohapatra
76	Sd/-	Subhi Hika
77	LT/-	Utene Hika
78	LT/-	Katne Hika
79	Sd/-	Dhana Hika
80	LT/-	Kinti Hika
81	Sd/-	Suna Hika
82	LT/-	Muri Hika
83	Sd/-	Seku Hikaka
84	Sd/-	Saiba Hikaka
85	LT/-	Sami Hika
86	Sd/-	Katal Hika
87	LT/-	Iswar Hika
88	Sd/-	Bada Hikaka
89	LT/-	Ohari Hika

90	Sd/-	Sashi Hikaka
91	LT/-	Dhenu Hika
92	Sd/-	Gurungu Hika
93	LT/-	Sule Hika
94	Sd/-	Sami Hika
95	Sd/-	Angada Hikaka
96	LT/-	Saibi Hikaka
97	Sd/-	Janma Hikaka
98	LT/-	Bhenu Hika
99	LT/-	Sunari Hikaka
100	LT/-	Bimia Hikaka
101	Sd/-	Udhaba Hikaka
102	LT/-	Bena Hika
103	Sd/-	Seku Hikaka
104	LT/-	Rukun Hikaka
105	Sd/-	Sama Hikaka
106	LT/-	Hedu Hikaka
107	Sd/-	Majhi Hikaka
108	LT/-	Sulai Hika
109	Sd/-	Praida Hikaka
110	LT/-	Bayameni Hikaka
111	Sd/-	Gupta Hikaka
112	LT/-	Surei Hikaka
113	Sd/-	Dana Hikaka
114	Sd/-	Kama Hikaka
115	LT/-	pahala Hikaka
116	Sd/-	Kota Hikaka
117	LT/-	Danu Hikaka
118	LT/-	Sanu Hikaka
119	LT/-	Manjari Hikaka
























120	LT/-	Rukun Hikaka
121	Sd/-	Koditi Hikaka
122	LT/-	Pan Hikaka
123	LT/-	Burusa Hikaka
124	LT/-	Jami Hikaka
125	LT/-	Buku Praska
126	LT/-	Pari Miniaka
127	LT/-	Ayadi Hikaka
128	Sd/-	Achami Hikaka
129	LT/-	Pelage Hikaka
130	Sd/-	Talai Hikaka
131	LT/-	Milai Hikaka
132	LT/-	Kestura Hikaka
133	LT/-	Sabha Hikaka
134	LT/-	Tiku Praska
135	LT/-	Kansi Praska
136	Sd/-	Jambiri Hikaka
137	Sd/-	Bharat Hikaka
138	LT/-	Bale Hikaka
139	Sd/-	Samburu Hikaka
140	LT/-	Suai Hikaka
141	Sd/-	Binaya Hikaka
142	LT/-	Jaimi Miniaka
143	Sd/-	Dasari Hikaka
144	LT/-	Chachini Hikaka
145	Sd/-	Auba Hikaka
146	LT/-	Sinde Hikaka
147	LT/-	Subai Hikaka
148	LT/-	Dame Hikaka
149	LT/-	Jinai Hikaka

150	LT/-	Rupal Hikaka
151	Sd/-	Parsa Hikaka
152	LT/-	Deu Hikaka
153	Sd/-	Lana Hikaka
154	LT/-	Ichai Hikaka

[illegible]

ଏମିତି-ବିଷୟ/କାହା
 ହୋଇଛି/ହେଉଛି
 R asinath, p. 100
 କିନ୍ତୁ-ବିଷୟ/କାହା

ଉତ୍କଳ ଗଣିକାବଳୀ (ଉତ୍କଳଗଣିକା) କବିରଂ ପଦ୍ୟାବଳୀ

୧.  ଟିଫ୍ ଜାମିଆକ୍
୨.  ଟିଫ୍ ବେନାମ
୩.  ଟିଫ୍ ସେନ୍ଦ୍ର
୪.  ଟିଫ୍ ବେନି
୫.  ଟିଫ୍ ମୋହ
୬.  ଟିଫ୍ ଦୋଧ
୭.  ଟିଫ୍ ସାଧ
୮.  ଟିଫ୍ ବୁଧି
୯.  ଟିଫ୍ ବାହୁ
୧୦.  ଟିଫ୍ ବାଘ
୧୧.  ଟିଫ୍ ସାତୁ
୧୨.  ଟିଫ୍ ଶିତା
୧୩.  ଟିଫ୍ ପୁରୀ
୧୪.  ଟିଫ୍ ପୁଞ୍ଜ
୧୫.  ଟିଫ୍ ହସ୍ତ
୧୬.  ଟିଫ୍ ଅକି
୧୭.  ଟିଫ୍ ଲୋକ
୧୮.  ଟିଫ୍ ବୁଧି
୧୯.  ଟିଫ୍ ବାଘ
୨୦.  ଟିଫ୍ ଦୋଧ
୨୧.  ଟିଫ୍ ଅକି



Trof wano
nirakg



Trof Kasi
nirakg



सुनहरी निवाका
Trof Surni
nirakg



Trof Pulu
nirakg



होकाव गरी
Trof Tiloi
nirakg



Trof Rasar
nirakg



Trof Sapar
nirakg



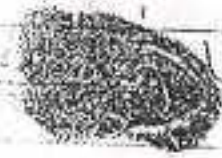
Trof Nasir
nirakg



Trof Sisi
nirakg



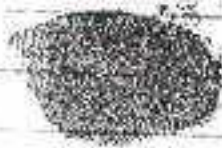
Trof Atul
nirakg



Trof Andu
nirakg



Trof Sal
nirakg



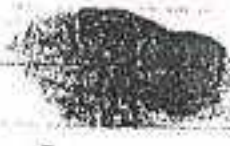
Trof Sula
nirakg



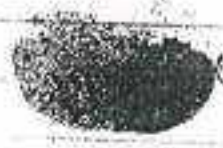
Trof Sam
nirakg



Trof Kelai
nirakg



Trof Naul
nirakg



Trof Bimaly
nirakg



Trof Luch
nirakg



Trof Masembhan



Trof Galil
nirakg



Tiof Basi
niniakg



Tiof Anlg
niniakg



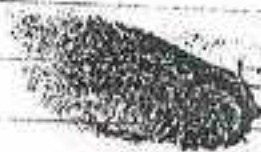
Tiof Jansen
niniakg



Tiof Kamesh
niniakg



Tiof Gheus
niniakg



Tiof 9999
niniakg



Tiof Othel
niniakg



Tiof Santingking
niniakg



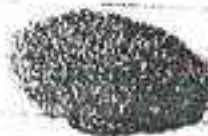
Tiof Pong
niniakg



Tiof Sincod
niniakg



Tiof mone
niniakg



Tiof Sita
niniakg



Tiof Banti
niniakg



Tiof Rukno
niniakg



Tiof Lello
niniakg



Tiof Salai
niniakg





















Tiof Wobes
niniakg



Tiof Gabes
niniakg



Tiof Palg
niniakg

ben		Tof Pulmo miriaka		Tof. ing...
un				
un		Tof. Summiraka		
2				Tof Ani miriaka
un		Tof Mutai miriaka		
				Tof Sumir miriaka
		Tof. Sade miriaka		
un				Tof Kotai miriaka
un		Tof. Pulsa miriaka		
un				Tof. Taly miriaka
un		Tof. Saceri miriaka		
un				Tof. Saceri miriaka
un		Tof. Basta miriaka		
to				Tof. Saceri miriaka
un		Tof. Saceri miriaka		
un				Tof. Saceri miriaka
un		Tof. Angir miriaka		
				Tof. Saceri miriaka



Subashini Minaka



LTII or Hama
Minaka



Sumi
Minaka



LTII or Sai
Minaka



LTII or Satom
Minaka



LTII or Sai Minaka



TI or
Sabai
Minaka



TI or
Saka
Hikako



TI or Ohirina

ଶ୍ରୀମତୀ ବିଜୟା

ଶ୍ରୀମତୀ ବିଜୟା



TI or
Nuai Minaka



TI or
Sapai
Minaka

ଶ୍ରୀମତୀ ବିଜୟା



TI or
Alone
Minaka



TI or
Nanjo
Minaka



TI or
Shravani
Minaka



TI or
mi Minaka



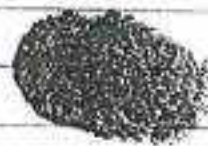
Mahe Minika



Minika



Kante Minika



Kante Minika

જાણી જાણી



Limai Minika



Rupai Minika



Kalai Kadru



LT Kadru Minika

જાણી જાણી



Swai Minika



Swai Minika

જાણી જાણી



Sekai Minika



Stanti Machika



Chime Minika



Chime Machika

LT & Deesei Miniaka

LT & Deesei Miniaka

LT & Adai Mandangi

LT & Adai Mandangi

LT & Sapei Jambaka

LT & Sapei Jambaka

LT & Utme Maniaka

LT & Utme Maniaka

LT & Sui Jambaka

LT & Sui Jambaka

LT & Panay Jambaka

LT & Panay Jambaka

LT & Jari Jambaka

LT & Jari Jambaka

Si
iya

1 Tidar Dambey Madige

LT Kashi
Dambey

Si
Mina

Id Karlone Minieka

LT Tini
Mina

Si
gh

Id Clanchaya Pudeke

LT Kashi

Si
Mina

Id Sador Dambeka

LT Kod
Dambeka

Si
Mina

Id Sukani Manieka

LT Sador
Minieka

Si
Mina

Id Panaru Dambeka

LT Irop
Minieka

Si
Mina



Turna-hiniara



Rasai Mondingo

Akanta Jambaka
Alai



Oharomari Bag



Dogru
meriona



Sua Hikaka



Silai Uiniaka



Sunadei Jambaka



Dogru
meleka



Silai Uiniaka



Randak
Hikaka



Rasai Hikaka



Dogru
Mondingo



Ananta Kumar



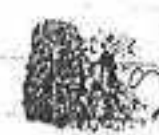
Silane
Hikaka



Rulane Hikaka



Badi Bag



Sandai
Uiniaka



Jaghasmi Bag



Silane
Uiniaka

akaka



Harsa praska

akaka



Sidhe miniaka

akaka



Surtu jambeka

akaka



Rupoi miniaka

akaka



Padne miniaka

akaka



Padne miniaka

akaka



Sinai
praska

akaka



Sarne melaka

akaka



Sarne miniaka

akaka



Bhingu praska



Sitme miniaka



mentai
miniaka




labai
miniaka

 Surdei
miniaka


 Sitaprasa

 Bongga
miniaka


 Balse
Jambaka

 Tugulu
Prosa


 Bopha
miniaka

 Musuri
miniaka


 Anu
miniaka

 Sange
miniaka


 Sura
miniaka

 Sitma
miniaka

 Manu
miniaka

 Sunyaman
Bag

 Borda
miniaka

 Sora
Hikaa

 Sura
miniaka

Sobai Hikaka



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Bhina Miniaka

Chikaku
mini
Kabis
Miniaka



Itai Miniaka



Sine Mini

ulu
raka



Rania Miniaka



Putur Miniaka



Rela Miniaka

in
dka



Ponta Miniaka



Katai Miniaka



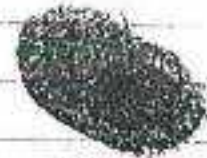
Jala
Miniaka

Saka

in
Miniaka



Sara Miniaka



Dasai
Sante

Miniaka

ai
Miniaka



Majena
Hikaka



Sai ba
Saunt



Biskadi Miniaka



Gangadhar Minicka



Tare Minicka



Tare Minicka



Ahari Minicka



Thaga Mandinga



Kate Minicka



Lachema Minicka



Lunai Minicka



Kate Minicka



Nishan Minicka



Kandra Minicka



Soda Minicka



Kamala Minicka



Rama Minicka

Minica



Komala Minica



Sala Minica

Minica



Rapai Minica



Bamana Minica

Minica



LT1 & Kandra Minica



LT1 & Mohan Minica



Sorabu Lareka



Arota Minica

Minica



Marsila Minica



LT1 & Ahari Minica



Utome Minica

Minica



Sula Minica



Gadame Minica

Minica



Gonni Minica



LT1 & Rapai Minica

Minica



LT19 Sorobu Soroka



LT19 Soroka
garela



LT19 Komaka Minika



LT19 Arata Minika



LT19 Rata
Minika



LT19 Godama Minika



LT19 Lalam
Minika



LT19 Nalai Minika



LT19 Gana
Minika



LT19 Pulasa Minika



LT19 Depai
Minika



LT19 Kasini Minika



rele



LT12 Rama Minaka



LT12 Akari Minaka



LT12 Laxman prepaka



LT12 Salai Minaka



LT12 Phulmati Minaka



LT12 Solo Minaka

de
minaka



LT12 Kamala Minaka



LT12 Pami Bag

3m
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LT12 Sauri Minaka

rele
dka



LT12 Rele Minaka



LT12 Baleswar Bernal

rele



LT12 Site Minaka



LT12 Rosai Minaka



LT12 Pami Minaka

rele
dka
minaka



LT12 Pulaha Minaka

ENGLISH TRANSLATION OF THE GRAMA SABHA RESOLUTION

Village Narsi Kaipadar/Uppar Kaipadar, Block: Laxmipur, Dist: Koraput

Today Gramasabha was conducted on 18.02.11 at 11 A.M. at the centre corridor of the village Marshikaipadar/upparikaipadar under the presidentship of the Sarpanch Srimati Nila Jani about 11.00 A.M. The ward member of the village along with villagers and the representative of Aditya aluminium Co. Sri Satya Sunder Sahu (J.O) attended the meeting. It was discussed in the meeting about the requirement of Govt Forest land for Aditya Aluminium Refinery for 220 K.V. Line corridor to be used for non forest purpose. It was placed in the meeting about the requirement of forest land for Aditya Aluminium refinery of the village vide Khata No 39, plot No-466 (area 0.31 acres) and Khata No 39, plot No-303 (area 0.05 acres) that is in total required area was A. 0.36 acres. It was known that in accordance with Govt. Law, the approval of central Govt. is required for the use of the land as non forest purpose.

Therefore, we the undersigned villagers wanted to intimate the Govt. that there is no right, title, and interest of any scheduled tribes, scheduled caste or general category or any other forest dweller of this village on the above stated land as per the forest Right Act of 2006 and we do give our consent that we did not have any objection that if the land were given to Aditya Aluminium/Hindalco, by the Govt. for non forest purpose. It was principally agreed to give these plots to Aditya Aluminium.

Sd/Block Development Officer

Laxmipur Block

Sd/- Smt. Nila Jani

Sarpanch of Laxmipur G.P

Sd/Satya Sundar Sahoo,
Aditya Aluminium

1. Sd/- Sanari Minyaka
2. Sd/- Kasinath Miniaka
3. Sd/- Jaya Miniaka
4. L.T. of Jiba Miniaka
5. L.T. of Padma charan Miniaka
6. Sd/- Megha Miniaka
7. L.T. of Bansi Miniaka

True copy forwarded to
English Assistant.


BLOCK DEVELOPMENT OFFICER
LAXMIPUR

8. Sd/-Krushana Miniaka
9. L.T. of Dhanus Miniaka
10. Sd/-Upendra Miniaka
11. L.T. of Vatrus Miniaka
12. Sd/- Jaga Miniaka
13. L.T. of Santha Miniaka
14. Sd/- Govinda Miniaka
15. L.T. of Puri Miniaka
16. L.T. of Harsa Miniaka
17. L.T. of Sasai Miniaka
18. L.T. of Sauri Miniaka
19. L.T. of Kama Miniaka
20. L.T. of Bansa Aour
21. L.T. of Mohan Miniaka
22. L.T. of Santha Miniaka
23. L.T. of Sada Miniaka
24. L.T. of Rupudi Miniaka
25. L.T. of Bau Miniaka
26. L.T. of Sitai Miniaka
27. L.T. of Purna Miniaka
28. L.T. of Aki Miniaka
29. L.T. of Damboi Miniaka
30. L.T. of Naba Miniaka
31. L.T. of urnao Miniaka
32. L.T. of Santanu Miniaka
33. L.T. of Tilai Miniaka
34. L.T. of Sapai Miniaka
35. L.T. of Siri Miniaka
36. L.T. of Andru Miniaka
37. L.T. of Sada Miniaka
38. L.T. of Kisai Miniaka
39. L.T. of Bimal Miniaka
40. L.T. of Masi Miniaka

41. L.T. of Kasti Miniaka
42. L.T. of Pulka Miniaka
43. L.T. of Rasai Miniaka
44. L.T. of Naria Miniaka
45. L.T. of Almal Miniaka
46. L.T. of Salue Miniaka
47. L.T. of Boudi Miniaka
48. L.T. of Gupta Miniaka
49. L.T. of Galila Miniaka
50. L.T. of Bapi Miniaka
51. L.T. of Anla Miniaka
52. L.T. of Ramesh Miniaka
53. L.T. of Isara Miniaka
54. L.T. of Santi Miniaka
55. L.T. of Sukanti Miniaka
56. L.T. of Sitia Miniaka
57. L.T. of Rukno Miniaka
58. L.T. of Salai Miniaka
59. L.T. of Laba Miniaka
60. L.T. of Douberi Miniaka
61. L.T. of Utue Miniaka
62. L.T. of Purna Miniaka
63. L.T. of Mausa miniaka
64. L.T. of Bismark Miniaka
65. L.T. of Cello Miniaka
66. L.T. of Kabir Miniaka
67. L.T. of Pala Miniaka
68. L.T. of Pulme Miniaka
69. L.T. of Suri Miniaka
70. L.T. of Mutai Miniaka
71. L.T. of Sinde Miniaka
72. L.T. of Tulsa Miniaka
73. L.T. of Sakeri Miniaka

74. L.T. of Basta Miniaka
75. L.T. of Sitme Miniaka
76. L.T. of Sara Miniaka
77. L.T. of Ahari Miniaka
78. L.T. of Jaya Miniaka
79. L.T. of Ani Miniaka
80. L.T. of Sunadi Miniaka
81. L.T. of Kotai Miniaka
82. L.T. of Jala Miniaka
83. L.T. of Kamala Miniaka
84. LT/- Salai Hikaka
85. LT/- Mahan Kikaka
86. LT/- Sadhu hikaka
87. LT/- Subhasini Miniaka
88. LT/- Jume Miniaka
89. LT/- rukai Miniaka
90. LT/- Seha Miniaka
91. Sd/- Seri Miniaka
92. LT/- Nuai Miniaka
93. LT/- Dina Miniaka
94. LT/- Alme Miniaka
95. LT/- Subhasini Miniaka
96. LT/- Hara Miniaka
97. LT/- Suai Miniaka
98. LT/- Satemi Miniaka
99. LT/- sabej Miniaka
100. LT/- Kanu Miniaka
101. LT/- Sapai Miniaka
102. LT/- Narjol Miniaka
103. LT/- Setai Miniaka
104. LT/- Mahu Miniaka
105. LT/- Kante Miniaka
106. Sd/- Satyaban Miniaka
107. LT/- Limai Miniaka

- 108 LT/- Alai kadraka
- 109 LT/- Tadu miniaka
- 110 LT/- Sunita miniaka
- 111 LT/- sabai Miniaka
- 112 LT/- salme Miniaka
- 113 LT/- Namme Miniaka
- 114 LT/- Karme Tikaka
- 115 LT/- Rupai Miniaka
- 116 LT/- Wana Miniaka
- 117 LT/- Surji Hikaka
- 118 Sd/- Sussri Miniaka
- 119 LT/- Chinmai Nachika
- 120 LT/- Deepai Miniaka
- 121 LT/- Adai Mandangi
- 122 LT/- sapai Jambeka
- 123 LT/- uame Miniaka
- 124 LT/- Suai Jambeja
- 125 LT/- Panesu Jambeka
- 126 LT/- Bal Hikaka
- 127 LT/- Dhanamani Hikaka
- 128 LT/- Samdei Miniaka
- 129 LT/- Salai Miniaka
- 130 LT/- Kesari Hikaka
- 131 LT/- Rume Hikaka
- 132 LT/- Damber Miniaka
- 133 LT/- Karme Miniaka
- 134 LT/- canchala Preska
- 135 LT/- Sada jambeka
- 136 LT/- Sukari Maniaka
- 137 LT/- Parasu Jambeka
- 138 LT/- Kashi Jambeka
- 139 LT/- Tini Miniaka
- 140 LT/- Josh
- 141 LT/- Kasi Jambeja

- 142 LT/- Jambai Miniaka
143 LT/- Irapa miniaka
144 LT/- Purna Miniyaka
145 LT/- Rasai Miniyaka
146 LT/- Dhanamani Bag
147 LT/- Sua Kikaka
148 LT/- Sunadhir Jambeka
149 LT/- Salai Miniaka
150 LT/- Kasai Hikaka
151 LT/- Ananta kumar
152 LT/- Ralme Hikaka
153 LT/- Jagadani Bag
154 LT/- Alai Jambika
155 LT/- Dasmi Miniaka
156 LT/- Sitai Miniaka
157 LT/- Jogi Meleka
158 LT/- Ramdas Hikaka
159 LT/- Dandi Mandangi
160 LT/- salme Hikaka
161 LT/- Badi Bag
162 LT/- Pandai Miniaka
163 LT/- Sitme Miniaka
164 LT/- Harsa Praska
165 LT/- Sidhi Miniaka
166 LT/- Surta Jambika
167 LT/- Rupai Miniaka
168 LT/- Padma Miniaka
169 LT/- Pulme Miniaka
170 LT/- Same Melaka
171 LT/- Sirnu Miniaka
172 LT/- Bhingu Praska
173 LT/- Tulba Miniyaka
174 LT/- Sakara miniaka
175 LT/- Kasai miniaka

- 176 LT/- Suti Jambeka
- 177 LT/- Kasari Miniaka
- 178 LT/- Kandhai Miniaka
- 179 LT/- Sinai Praska
- 180 LT/- Sauli Miniaka
- 181 LT/- Sitme Miniaka
- 182 LT/- Mutai Miniaka
- 183 LT/- sabai Miniaka
- 184 LT/- Sundai miniaka
- 185 LT/- Sita Prakash
- 186 LT/- Balsi Jambeka
- 187 LT/- Bastha Miniaka
- 188 LT/- Musuri Miniaka
- 189 LT/- same Miniaka
- 190 LT/- suryamani Bag
- 191 LT/- Sara Hikaka
- 192 LT/- Bangaru Minaka
- 193 LT/- Jugulu Miniaka
- 194 LT/- Manu miniaka
- 195 LT/- Barli Miniaka
- 196 LT/- Suai Miniaka
- 197 LT/- Sabai Hikaka
- 198 LT/- Bhima Miniaka
- 199 LT/- Rania Miniaka
- 200 LT/- Rulme Miniaka
- 201 LT/- Ponta Mniaka
- 202 LT/- Katai Miniaka
- 203 LT/- sara Miniaka
- 204 LT/- Majena Hikaka
- 205 LT/- Biskudi Miniaka
- 206 LT/- Chinkunu Kiriaka
- 207 LT/- Sina Miniaka
- 208 LT/- Rela Miniaks
- 209 LT/- Jala Miniaka

210	LT/-	Dasai Santa
211	LT/-	Saiba Santa
212	LT/-	Gangadhar miniaka
213	LT/-	Tare Miniaka
214	LT/-	Thaga Miniaka
215	LT/-	Lachaman Miniaka
216	LT/-	Kate Miniaka
217	LT/-	Kandra Miniaka
218	LT/-	Kanala Miniaka
219	LT/-	Rupai Miniaka
220	LT/-	Kandra Miniaka
221	LT/-	Sarabu Miniaka
222	LT/-	Harsila Miniaka
223	LT/-	Ahari Miniaka
224	LT/-	Sulai Miniaka
225	LT/-	Janai Miniaka
226	LT/-	Sala Miniaka
227	LT/-	Bamana Miniaka
228	LT/-	Mohan Miniaka
229	LT/-	Arata Miniaka
230	LT/-	Utma Miniaka
231	LT/-	Gadma Miniaka
232	LT/-	Rupai Miniaka
233	LT/-	Sarabu Sereka
234	LT/-	Kamala Miniaka
235	LT/-	Arta Miniaka
236	LT/-	Gadama miniaka
237	LT/-	Nilai Miniaka
238	LT/-	Tulba Miniyaka
239	LT/-	Kasini miniaka
240	LT/-	Sarakha Garela
241	LT/-	Rulme Miniaka
242	LT/-	Lakam Miniaka
243	LT/-	Janai Miniaka

244	LT/-	Depal Miniaka
245	LT/-	Suryamani Miniaka
246	LT/-	Rama Miniaka
247	LT/-	Laxman Prepeka
248	LT/-	Phulmati Miniaka
249	LT/-	Kamala Miniaka
250	LT/-	Lale Miniaka
251	LT/-	Site Miniaka
252	LT/-	Pain Hikaka
253	LT/-	Achari Miniaka
254	LT/-	Sulai Miniaka
255	LT/-	Sala Miniaka
256	LT/-	Pami Bag
257	LT/-	Sauli Miniaka
258	LT/-	Baleswar Bemal
259	LT/-	Kasai miniaka
260	LT/-	Pulanca Miniaka

ଅନା ଡା- ୧୮.୦୨.୧୧ ଦିନ ରୁ ନିମ୍ନ ଗାଁବାସୀଙ୍କୁ ନିମ୍ନ ଗ୍ରାମାଞ୍ଚଳ
 କରା ଗଲା ଏ. ୧୦.୦୦ଟଙ୍କା। ସମସ୍ତଙ୍କୁ ଗ୍ରାମ ପରିଷଦରୁ ଗ୍ରାମାଞ୍ଚଳ
 ନିମ୍ନ ଗାଁ ଓ ସମସ୍ତଙ୍କୁ ଗ୍ରାମ ପରିଷଦରୁ ଗ୍ରାମାଞ୍ଚଳ
 କରାଯିବ। ଏହି ଗ୍ରାମ ପରିଷଦରୁ ଗ୍ରାମାଞ୍ଚଳ ସମସ୍ତଙ୍କୁ ଗ୍ରାମାଞ୍ଚଳ
 ଓ ଆବଶ୍ୟକ ଆନୁଷ୍ଠାନିକ ସ୍ଥଳକୁ ଏହି ଗ୍ରାମାଞ୍ଚଳ କରୁ (୩୦)
 ଓ ଅନୁମତି ଦେଇଥିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ ଆବଶ୍ୟକୀୟ
 ପ୍ରକଳ୍ପ ପାଇଁ ୨୨୦ kv Line ପାଇଁ ଆବଶ୍ୟକ ସହଯୋଗୀ ନିମ୍ନ
 ନିମ୍ନ ଆବଶ୍ୟକ କରାଯିବ। ଶାନ୍ତି ନିମ୍ନ ଗ୍ରାମାଞ୍ଚଳ
 ସମସ୍ତଙ୍କୁ ସହଯୋଗୀ ନିମ୍ନ ସମସ୍ତଙ୍କୁ ଆବଶ୍ୟକ
 କରାଯାଉଥିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ ଅନୁମତି ଦେବା ଶାନ୍ତି
 ନି- ୩୬ ଓ ପ୍ରା. ନି- ୩୨୦ ରୁ ୦.୦୫ ଟଙ୍କା ନିମ୍ନ ଆବଶ୍ୟକ
 କରାଯିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ ସହଯୋଗୀ ନିମ୍ନ
 ଆବଶ୍ୟକ କରାଯିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ ସହଯୋଗୀ ନିମ୍ନ
 ସମସ୍ତଙ୍କୁ ନିମ୍ନ କରାଯିବ। ନିମ୍ନ ଗ୍ରାମାଞ୍ଚଳ
 ନିମ୍ନ ଗ୍ରାମାଞ୍ଚଳ କରାଯିବ। ଆବଶ୍ୟକ ଦେବା ଆବଶ୍ୟକ
 ଓ ନିମ୍ନ କରାଯିବ।

ଏହି ଗ୍ରାମାଞ୍ଚଳ ଆବଶ୍ୟକ ନିମ୍ନ ଗ୍ରାମାଞ୍ଚଳ
 ସହଯୋଗୀ ନିମ୍ନ କରାଯିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ
 ସମସ୍ତଙ୍କୁ ଆବଶ୍ୟକ କରାଯିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ
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 କରାଯିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ ନିମ୍ନ କରାଯିବ।
 ଏହି ଗ୍ରାମାଞ୍ଚଳ ନିମ୍ନ କରାଯିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ
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 କରାଯିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ ନିମ୍ନ କରାଯିବ।
 ଏହି ଗ୍ରାମାଞ୍ଚଳ ନିମ୍ନ କରାଯିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ
 ନିମ୍ନ କରାଯିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ ନିମ୍ନ
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 ଏହି ଗ୍ରାମାଞ୍ଚଳ ନିମ୍ନ କରାଯିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ
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 କରାଯିବ। ଏହି ଗ୍ରାମାଞ୍ଚଳ ନିମ୍ନ କରାଯିବ।


True Copy attached

BLOCK DEVELOPMENT OFFICER
 LAXMIPUR

BLOCK DEVELOPMENT OFFICER
 LAXMIPUR
 Satya Sundar Sahoo
 Aditya Alaminicam

Sarapanch
 Laxmipur G.P

ରୁଧ୍ରାଞ୍ଚଳ ଗ୍ରାମାଞ୍ଚଳ
 (ଗ୍ରାମାଞ୍ଚଳ)
 Rushi Jambhale

 LT of Masigambek

* Lamesh Pocask

 LT of male
Jambek

 LT of Sonoi
nimangk

* ମୌନ ଦାସ

 LT of Tulig
Jambek


 LT of Jaga
Jambek

* ଶ୍ରୀମତୀ ସିଦ୍ଧାନ୍ତ

 LT of Shady
nimangk


 LT of Kasari
Hikok

* ଶ୍ରୀମତୀ ଦାସ

 LT of Mahu
nimangk

 LT of Bangun
Jambek

* ସୁଶୀଳା ସିଦ୍ଧାନ୍ତ

 LT of Limbai
Jambek

 LT of Bhing
Hikok

 LT of Palme
Jambek


 LT of Savara
Jambek

 LT of Pant
manding

 LT of Kurul
Hikok

 LT of Laki
Jambek

 LT of Palai
Jambek

 LT of Palang
Jambek

 LT of Kang
Jambek

 LT of Sapi
nimangk

Tiof Nando jambek

Tiof Rasai
nmbek

Tiof Nando jambek

Tiof Rasai
nmbek

Tiof Nilot
jambek

Tiof Saka
nmbek

Tiof Alne miniake

Tiof Saka
nmbek

Tiof Rasai
jambek

Tiof Saka
nmbek

Tiof Ruai
nmbek

Tiof Majhni
jambek

Tiof Saka
nmbek

Tiof Ning
Sarek

Tiof Saka
nmbek

Tiof Alai
jambek

Tiof Saka
nmbek

Tiof Ringu
Hleok

Tiof Saka
nmbek

Tiof Paka
miniake

Tiof Saka
nmbek

Tiof Tilai
miniake

Tiof Saka
nmbek

LT of Soriagambek

LT of Sumb

LT of Bady
gambek

LT of Sabi

LT of Rame niang

LT of Gali

LT of Sabai niang

LT of Rame
gambek

LT of Balakadok

LT of Rame
gambek

LT of Rame
gambek

LT of Sumb
niang

LT of Rame
niang

LT of Alai
gambek

LT of Alai
kadok

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gambek

LT of Sumb
kadok

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gambek

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Hikok

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kadok

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gambek

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Jambek

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Jambek

CT of Sunda
jansug

CT of
Almai Hkay

CT of Siba
nimaug

CT of Andam
nimaug

CT of Kandy
jansug

CT of Liong
nimaug

CT of Luffy
jansug

CT of Nandw
keching

CT of Palme
jansug

CT of Jani
jansug

CT of Tikno
kedabeg

CT of Salar
manu

CT of Ang
jansug

CT of Veta
nimaug

CT of Nani
jansug

CT of Ruer
jansug

CT of Hoss
nimaug

CT of Deo
nimaug

CT of Sura
nimaug

CT of Alne
nimaug

CT of Day
jansug

CT of Ethe
nimaug

11/11/11

Trap of Tule
Jambes

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11/11/11

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ENGLISH TRANSLATION OF THE GRAMASABHA RESOLUTION

Village: Nissar, Block: Laxmipur, Dist: Koraput

Today Gramasabha was conducted on 18.02.11 at 10.A.M. at the centre corridor of the village-Nissar under the presidentship of the Sarpanch Sri Nila Jani. The ward member of the village along with villagers and the representative of Aditya aluminium Co. Sri Satya Sunder Sahu(J.O) attended the meeting. It was discussed in the meeting about the requirement of Govt Forest lands for Aditya Aluminium Refinery for 220 K.V. Line corridor. The requirement of land for Aditya Aluminium refinery of the village vide Khata No 36, Plot No-320 (area 0.05 acres) was discussed in the meeting. It was known that in accordance with Govt. Law, the approval of central Govt. is required for the use the land as non-forest purpose.

Therefore, we the undersigned villagers wanted to intimate to Govt. that there is no right, title, and interest of any scheduled tribes, scheduled caste or general category or any other forest dweller of this village on the above stated plot as per the forest Right Act of 2006 and we do give our consent that we did not have any objection if that plot is give to Aditya Aluminium, Hindalco, by the Govt for other purpose. It was principally agreed by us in the meeting to give that land to Aditya Aluminium.

Sd/- Nila Jani
Sarpanch of Laxmipur G.P.

Sd/ Block Development Officer


Laxmipur Block.

Sd/Satya Sundar Sahoo,

Aditya Aluminium

- | | |
|-------------------------|-----------------------------|
| 1. Sd/- Ruaj Jambeka | 16. L.T. of Palanga Jambeka |
| 2. Sd/- Rushi Jambeka | 17. L.T. of Sonai Jambeka |
| 3. Sd/- Anka Melaka | 18. L.T. of Jaga Jambeka |
| 4. L.T. of Masi Jambeka | |
| 5. Sd/- Ramesh Paraska | |

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English Translation


BLOCK DEVELOPMENT OFFICER
LAXMIPUR

6. L.T. of Male Jambeka
7. Sd/- Juglu Prasaana
8. L.T. of Tula Jumbeka
9. S.D/- Gangadhar Miniyaka
10. L.T. of Jadu Jumbeka
11. L.T. of Mahi Jumbeka
12. L.T. of Limbai Jumbeka
13. L.T. of Palme Jumbeka
14. L.T. of Panfa Mandika
15. L.T. of Lucky Jumbeka

19. L.T. of Kasi Hikaka
20. S.D/- Salpu Jumbeka
21. L.T. of Banguru Jumbeka
22. S.D/- Abhi Hikaka
23. L.T. of Bhima Hikaka
24. L.T. of Sakaru Jumbeka
25. L.T. of Kumuli Hikaka
26. L.T. of Palai Jumbeka
27. L.T. of Kangu Jumbeka

28. L.T. of Sapai miniyaka

29. L.T. of Sonai Miniyaka
30. L.T. of Nanda Jumbeka
31. L.T. of Nilai Jumbeka
32. S.D/- Alma Miniyaka
33. L.T. of Rasai Jumbeka
34. S.D/- Rui Milaka
35. L.T. of Majihini Jambeka
36. L.T. of Nina Sareka
37. L.T. of Alai Jambika
38. L.T. of Ringu Hikaka
39. L.T. of Patro Miniyaka
40. L.T. of Tilai Miniyaka

41. L.T. of Rama Miniyaka
42. L.T. of Sabai Miniyaka
43. L.T. Satma Miniyaka
44. L.T. of Suni Hikaka
45. L.T. Of Suresh Praska
46. L.T. of Masi Jumbeka
47. L.T. of Sona Jambeka
48. L.T. of Jani Houda
49. L.T. of Kasoi Jumbeka
50. L.T. of Satya Jumbeka
51. L.T. of Hari Miniyaka
52. L.T. of Lamta Hikaka

53. L.T. of Sarai Jumbeka
54. L.T. of Dindu Jumbeka
55. L.T. of Rama Miniyaka
56. L.T. of Sabai Miniyaka
57. L.T. of Bala Kadraka
58. L.T. of Rulmi Praska
59. L.T. of Palma Miniyaka
60. L.T. of Alai Kadraka
61. L.T. of Surendra Kadraka
62. L.T. of Palai Hikaka
63. L.T. of Wanda Kadraka

65. L.T. of Sunuha
66. L.T. of Salai
67. L.T. of Kadia
68. L.T. of Bhumia Jumbeka
69. L.T. of Divya Praska
70. L.T. of Sukanti Miniyaka
71. L.T. of Alai Jumbeka
72. L.T. of Rupai Jumbeka
73. L.T. of Palaya Jumbeka
74. L.T. of Giri Hikaka
75. L.T. of Ruai Jumbeka

76. L.T. of Rupai Jambika
77. L.T. of Baskadi Jumbeka
78. L.T. of Dipai Miniyaka
79. L.T. of Masi Jumbeka
80. L.T. of Kasti Jambika
81. L.T. of Nalai Hikaka

85. L.T. of Rengu Jumbeka
87. L.T. of Dora Jumbeka
88. L.T. of Guruna Kadraka
89. L.T. of Besi Jambika
90. L.T. of Barsi Miniyaka
91. L.T. of Nima Hikaka

82.L.T. of Salai Jumbeka	92. L.T. of Satma Miniyaka
83.L.T. of Dara Jumbeka	93. L.T. of Rulmi Jumbeka
84.L.T. of Besu Jumbeka	94. L.T. of Gita Jumbeka
85.L.T. of Suai Miniyaka	95. L.T. of Rupai Kadraka

96. L.T. of Simadri Jumbeka	109. L.T. of Nimai Hikaka
97. L.T. of Siba Miniyaka	110. L.T. of Kamla Jumbeka
98. L.T. of Anla Miniyaka	111. L.T. of Gupta Jumbeka
99. L.T. of Loria Miniyaka	112. L.T. of Palma Jumbeka
100. L.T. of Nandini Kochika	113. L.T. of Tikana Kadraka
101.L.T. of Jani Jumbeka	114. L.T. of Anga Jumbeka
102.L.T. of Salai Miniyaka	115. L.T. of Mane Jumbeka
103.L.T. of Kia Miniyaka	116. L.T. of Harsha Minia
104.L.T. of Ruai Miniyaka	117. L.T. of Alma Hikaka
105.L.T. of Deo Miniyaka	118. L.T. of Sitma mandya
106.L.T. of Sukru Miniyaka	
107.L.T. of Days Jumbika	
108.L.T. of Talsa Jumbeka	

श्री कृष्ण प्रसाद

৬৭) (৪)। ১০১৫। ৬।

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2 ସାହେବୀ ଶ୍ରଦ୍ଧା

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ବାହା ଶ୍ରଦ୍ଧା

କାଶୀ ଶ୍ରଦ୍ଧା

ଦୁଇଟି ଶ୍ରଦ୍ଧା

2 ଶ୍ରଦ୍ଧା

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କିମ୍ବଦନ୍ତୀ

 ରାମଚନ୍ଦ୍ର ପ୍ରଧାନ




ସମ୍ପାଦକ

Asmita Kumar prapaka

ସୁଧାଂଶୁ ପ୍ରଧାନ

ସମ୍ପାଦକ


 ରାମଚନ୍ଦ୍ର ପ୍ରଧାନ

ସିଦ୍ଧି ପ୍ରଧାନ



ସୁଧାଂଶୁ ପ୍ରଧାନ

ସମ୍ପାଦକ

 ରାମଚନ୍ଦ୍ର ପ୍ରଧାନ



ସୁଧାଂଶୁ ପ୍ରଧାନ


ସମ୍ପାଦକ

ଚାନ୍ଦିନୀ ପ୍ରଧାନ



ସୁଧାଂଶୁ ପ୍ରଧାନ

ସମ୍ପାଦକ


 ସାବିତ୍ରୀ ପ୍ରଧାନ



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ସୁଧାଂଶୁ ପ୍ରଧାନ

ଆମିନି ଗୁରୁତା

କାଳୀନ କୃଷିକା

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ଭୂତରା ଗୋଟାକା

ଉପରାଂଶ
ରାଜା

ମାଟିର

୨ ଫୁଲର ଉପରାଂଶ

ମାଟି ଘେରାକା

୨ ଫୁଲର ଉପରାଂଶ

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୩ ଫୁଲର ଉପରାଂଶ

ମାଟି ଘେରାକା

ଉପରାଂଶ
ରାଜା

୪ ଫୁଲର ଉପରାଂଶ

୩ ଶାଢ଼ୀର ଉପରାଂଶ

ଉପର

୫ ଫୁଲର ଉପରାଂଶ

ମାଟି ଘେରାକା

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୬ ଫୁଲର ଉପରାଂଶ

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୭ ଫୁଲର ଉପରାଂଶ

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୮ ଫୁଲର ଉପରାଂଶ

ମାଟି ଘେରାକା

୮ ଫୁଲର ଉପରାଂଶ


୮ ଫୁଲର ଉପରାଂଶ

୯ ଫୁଲର ଉପରାଂଶ

ମାଟି ଘେରାକା


୯ ଫୁଲର ଉପରାଂଶ

୯ ଫୁଲର ଉପରାଂଶ


 ୧. ଶୁଣାଉ ଚାଲିବା

ଚକ୍ରାକ୍ତି ଚାଲିବା


Longer preparation


 ୨. ଶୁଣାଉ ଚାଲିବା

Neha preparation

 ଗୋଟି ଚାଲିବା

ଗୋଟି ଚାଲିବା

 ୩. ଶୁଣାଉ ଚାଲିବା

 ୪. ଶୁଣାଉ ଚାଲିବା

ଅନ୍ତରା ଚାଲିବା

 ୫. ଶୁଣାଉ ଚାଲିବା

ଶୁଣାଉ ଚାଲିବା


ଶୁଣାଉ ଚାଲିବା

 ୬. ଶୁଣାଉ ଚାଲିବା

ଶୁଣାଉ ଚାଲିବା

 ୭. ଶୁଣାଉ ଚାଲିବା


ଶୁଣାଉ ଚାଲିବା

 ୮. ଶୁଣାଉ ଚାଲିବା


ଶୁଣାଉ ଚାଲିବା

 ୯. ଶୁଣାଉ ଚାଲିବା

ଶୁଣାଉ ଚାଲିବା

 ୧୦. ଶୁଣାଉ ଚାଲିବା

ଶୁଣାଉ ଚାଲିବା

 ୧୧. ଶୁଣାଉ ଚାଲିବା

ଶୁଣାଉ ଚାଲିବା

 ୧୨. ଶୁଣାଉ ଚାଲିବା

ଶୁଣାଉ ଚାଲିବା

 ୧୩. ଶୁଣାଉ ଚାଲିବା

ଶୁଣାଉ ଚାଲିବା

 ୧୪. ଶୁଣାଉ ଚାଲିବା

ଶୁଣାଉ ଚାଲିବା

ଶୁଣାଉ ଚାଲିବା

[Redacted] ବିଜାଣ ଗ୍ରନ୍ଥାଳା

[Redacted] ୨ ବିଜାଣ ଗ୍ରନ୍ଥାଳା

Kumuti Hikaka

[Redacted] ବିଜାଣ ଗ୍ରନ୍ଥାଳା

[Redacted] ୨ Nilai prepera

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

[Redacted] ୨ ଅମୃତ ଗ୍ରନ୍ଥାଳା

Nilai prepera

[Redacted] ୨ ଅମୃତ ଗ୍ରନ୍ଥାଳା

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

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୨ ଗ୍ରନ୍ଥାଳା

୩ ଗ୍ରନ୍ଥାଳା

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

Tadaba prepera

୨ ଗ୍ରନ୍ଥାଳା

[Redacted]

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

[Redacted]

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

[Redacted]

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

[Redacted]

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

[Redacted]

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

[Redacted]

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

[Redacted]

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

[Redacted]

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

[Redacted]

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

ବିଜାଣ ଗ୍ରନ୍ଥାଳା

ENGLISH TRANSLATION OF THE GRAMA SABHA RESOLUTION

Village: Badasankha, Block: Laxmipur, Dist: Koraput

Today Gramasabha was conducted on 24.02.11 at the centre corridor of the village- Badasankha under the presidentship of the Sarpanch Sri Dhukhi Shyam Miniyaka about 11.00 A.M. The ward member of the village along with villagers and the representative of Aditya aluminium Co. Sri Satya Sunder Sahu(J.O) attended the meeting. It was discussed in the meeting about the requirement of Govt Forest land for Aditya Aluminium Refinery for 220 K.V. line corridor. The requirement of Govt Plots of our village for Aditya Aluminium refinery for 220 K.V. line vide Khata No 85, Plot No-85 (area 0.33 acres) and khata No 85, plot No 83 (area 0.59 acres) whose total area is 0.92 acres or 0.372 Hectares were discussed in the meeting. It was known that in accordance with Govt. Law, the approval of central Govt. is required for the use the land as non forest purpose.

Hence we the undersigned villagers wanted to intimate the Govt. that there no right, title, and interest of any scheduled tribes, scheduled caste or general category or any other forest dweller of this village on the above stated plots as per the forest Right Act of 2006 and we do give our consent that we did not have any objection or claim if that plots are give to Aditya Aluminium for 220 K.V. line corridor purpose by the Govt. Lastly the meeting ended after giving vote of thanks to the President.

Sd/-Block Development Officer

Laxmipur Block

Sd/ Dukhi Shyam Miniyaka
Sarpanch of Burja G.P.

Sd/Satya Sundar Sahoo,

Aditya Aluminium


1. Sd/- Sai Prepeka
2. Sd/- Kapilash Prepeka
3. Sd/- Ranjan Prepeka
4. Sd/- Niranjana Prepeka

*True copy forwarded to
English attestat.*


**BLOCK DEVELOPMENT OFFICER
LAXMIPUR**

- 5 Sd/- Jin Prepeka
- 6 Sd/- Jaya Prepeka
- 7 Sd/- Sambru Prepeka
- 8 Sd/- Nabin Prepeka
- 9 Sd/- Laxman Prepeka
- 10 Sd/- Yudhesti Prepeka
- 11 Sd/- Bana Prepeka
- 12 Sd/- Praful Prepeka
- 13 Sd/- Jujabati Prepeka
- 14 Sd/- Bingu Prepeka
- 15 Sd/- Jagi Prepeka
- 16 Sd/- Apparao Prepeka
- 17 Sd/- Dhaneswar Prepeka
- 18 Sd/- Pulaku Prepeka
- 19 Lti/- Bhima Prepeka
- 20 Sd/- Amburu Prepeka
- 21 Sd/- Tupi Prepeka
- 22 Sd/- Trnuni Prepeka
- 23 Sd/- Aba Miniaka
- 24 Sd/- Sana Prepeka
- 25 LTI/- Sekhuru Prepeka
- 26 LTI/- Malik Prepeka
- 27 Sd/- Jlajadha Prepeka
- 28 LTI/- Satya Prepeka
- 29 Sd/- Kusha Prepeka
- 30 Sd/- Kantha Prepeka

- 31 Sd/- Ruhini Prepeka
32 LTI/- Bhadra Prepeka
33 Sd/- Sala Mansaraka
34 LTI/- Dash Prepeka
35 Sd/- Pyas Prepeka
36 Sd/- Kasturi Prepeka
37 LTI/- Punia Prepeka
38 Sd/- Harmendra Prepeka
39 Sd/- Narad Prepeka
40 Sd/- Prakash Prepeka
41 Sd/- Bali Prepeka
42 Sd/- Sab Miniaka
43 Sd/- Nameswa Prepeka
44 Sd/- Maheswar Prepeka
45 LTI/- Rupa Prepeka
46 Sd/- Mruga Prepeka
47 Sd/- Krusu Prepeka
48 Sd/- Benu Prepeka
49 Sd/- Giridhar Prepeka
50 Sd/- Tikam Mandinga
51 Sd/- Laji Prepeka
52 Sd/- Purundar Prepeka
53 Sd/- Rachaka Prepeka
54 Sd/- Sambasa Prepeka
55 Sd/- Balab prepeka
56 LTI/- Nanda Prepeka

- 
- 57 LTI/- Saunli Prepeka
58 Sd/- Mayi Miniaka
59 Sd/- Darama Prepeka
60 LTI/- Jami Prepeka
61 Sd/- Harichandra Prepeka
62 LTI/- Rabi Prepeka
63 Sd/- Surendra Jani
64 LTI/- Mahela Prepeka
65 Sd/- Arnun Prepeka
66 LTI/- Para Prepeka
67 Sd/- Asu Prepeka
68 Sd/- Ithime Prepeka
69 LTI/- Lachi Prepeka
70 Sd/- Taiba Prepeka
71 LTI/- Nandal Prepeka
72 Sd/- Lachmipati Prepeka
73 Sd/- Dada Prepeka
74 LTI/- Bimata prepeka
75 LTI/- Anme Prepeka
76 LTI/- Sidhe Prepeka
77 LTI/- Upe Prepeka
78 Sd/- Dasa Prepeka
79 LTI/- Singari Prepeka
80 LTI/- Ambare Miniaka
81 Sd/- Sandhu Prepeka
82 LTI/- Limbe Prepeka

- 83 Sd/- Taruni Prepeka
84 LTI/- Adai Prepeka
85 Sd/- Aswini Kumar Prepeka
86 LTI/- Ruai Prepeka
87 Sd/- Nama Prepeka
88 LTI/- Bai Prepeka
89 Sd/- Gopal Prepeka
90 LTI/- Satama Prepeka
91 Sd/- Basudev Prepeka
92 LTI/- Rasai Prepeka
93 Sd/- Dharmendra Prepeka
94 Sd/- Bada Prepeka
95 LTI/- Lachama prepeka
96 Sd/- Sanju Prepeka
97 Sd/- Purna Prepeka
98 LTI/- Sudhai Prepeka
99 LTI/- Muna Prepeka
100 LTI/- Kansai Prepeka
101 LTI/- Medi Prepeka
102 LTI/- Kantai Prepeka
103 Sd/- Kishor Prepeka
104 LTI/- Alai Prepeka
105 Sd/- Ada Prepeka
106 LTI/- Majhi Miniaka
107 Sd/- Akila Prepeka
108 LTI/- Sankali Miniaka

- 109 Sd/- Kangu Prepeka
110 LTII/- Rukuna Prepeka
111 Sd/- Rudra Miniaka
112 LTII/- Kuntadi Prepeka
113 Sd/- Karman Prepeka
114 LTII/- Warsi Prepeka
115 Sd/- Mahendra Prepeka
116 LTII/- Salai Miniaka
117 Sd/- Udaya Prepeka
118 LTII/- Danai Prepeka
119 Sd/- Samsundar Prepeka
120 LTII/- Chulme Prepeka
121 Sd/- Naida Prepeka
122 Sd/- Gunu Prepeka
123 LTII/- Alapati Prepeka
124 Sd/- Saiba Prepeka
125 LTII/- Uinsakudi Prepeka
126 Sd/- Rajendra Prepeka
127 LTII/- Eswar Mandinga
128 LTII/- Rupai Prepeka
129 LTII/- Banu Prepeka
130 LTII/- Sunadei Miniaka
131 LTII/- Sitme Prepeka
132 Sd/- Jagendra Prepeka
133 LTII/- Palai Prepeka
134 Sd/- Hari prepeka

- 135 LTII/- Sapai Prepeka
136 Sd/- Utara Prepeka
137 LTII/- Phulamati Prepeka
138 Sd/- Maji Prepeka
139 LTII/- Sundari prepeka
140 Sd/- Muta Prepeka
141 LTII/- Sundi Miniaka
142 Sd/- Sanu Prepeka
143 Sd/- Juji Prepeka
144 LTII/- Dipai Prepeka
145 Sd/- Lima Prepeka
146 LTII/- Eksid Prepeka
147 LTII/- Tamini Prepeka
148 Sd/- Arjun Prepeka
149 LTII/- Rukul Prepeka
150 Sd/- Puja Prepeka
151 LTII/- Julme Prepeka
152 LTII/- Padme Prepeka
153 LTII/- Jima Prepeka
154 LTII/- Sima Prepeka
155 Sd/- Jaili Prepeka
156 LTII/- Chandra Prepeka
157 LTII/- Janata Prepeka
158 LTII/- Kane Prepeka
159 LTII/- Ratha Prepeka
160 Sd/- Garia Prepeka

- 161 LTI/- Laxmi Prepeka
162 LTI/- Kada Prepeka
163 LTI/- Subai Prepeka
164 Sd/- Baladhar Prepeka
165 Sd/- Langu Prepeka
166 LTI/- Puspallata Prepeka
167 Sd/- Nitya Prepeka
168 LTI/- Walsi Prepeka
169 Sd/- Kasi Prepeka
170 LTI/- Limbe Prepeka
171 LTI/- Sarasa Prepeka
172 Sd/- Kadi Prepeka
173 LTI/- Tulsa Prepeka
174 LTI/- Lakme Prepeka
175 Sd/- Samaya Prepeka
176 LTI/- Lachama prepeka
177 Sd/- Hakina Prepeka
178 LTI/- Naya Prepeka
179 Sd/- Bhima Prepeka
180 LTI/- Anla Prepeka
181 LTI/- Sunadhar Prepeka
182 LTI/- Tika Wadeka
183 Sd/- Dina Prepeka
184 LTI/- Tulsa Prepeka
185 LTI/- nepe Mandingi
186 LTI/- Sarama prepeka

- 187 LTI/- Ambe Prepeka
188 LTI/- Jurka Prepeka
189 Sd/- Madan Prepeka
190 LTI/- Tilai Prepeka
191 LTI/- Sitme Wadaka
192 Sd/- Kumuti Hikaka
193 LTI/- Sirime Prepeka
194 LTI/- Nilai Prepeka
195 Sd/- Tundu Prepeka
196 LTI/- Sambari Prepeka
197 Sd/- Abu Prepeka
198 LTI/- Sambari Prepeka
199 Sd/- Jagana Prepeka
200 LTI/- Bhendi Prepeka
201 Sd/- Rusi Prepeka
202 Sd/- Khamun Prepeka
203 Sd/- Jadaba Prepeka
204 Sd/- Raut Prepeka
205 LTI/- Tulasi Prepeka
206 LTI/- Sara Prepeka
207 LTI/- Bajapi Prepeka
208 LTI/- Karai Prepeka
209 LTI/- Rai Prepeka
210 Sd/- Ranjan Prepeka
211 LTI/- Narji Wadaka
212 LTI/- Jami Prepeka

213 LTI/- Rupa Prepeka

214 LTI/- Salai Prepeka

215 Sd/- Sambaru Prepeka

[illegible]

செய்தல்

[illegible]

x *[Signature]*
Sarapanch,
BURJA G. P.

ଶ୍ରୀ ଶତ୍ରୁଘ୍ନ ଶ୍ରୀ

Satya Sandar Sahar
Aditya Aluminium

Kochadi
Prepara

Satme
Arepene

SONUPREPEKA

SOMBHARI PREPEKA

ଶ୍ରୀ ଶ୍ରୀ ଶ୍ରୀ ଶ୍ରୀ

ARATI MANDINGA

DALI PREPEKA

Purna ch. prepeka

Ram Prepeka

Lali Prepeka

Pulhe Prepeka

Sara Prepeka

ASANKA PREPEKA

Wali Pnepke

Tikoma Mandinga

21182, 696 21 81

Salei Pnepke

Dason Mandinga

Alai Hikona

Sarda Hikona

Rushi Jami

21182, 696 21 81

ENGLISH TRANSLATION OF THE GRAMASABHA RESOLUTION

Village- Punjisilli, Block:Laxmipur,Dist: Koraput

Today Gramasabha was conducted on 24.02.11 at the centre corridor of the village-Punjisilli under the presidentship of the Sarpanch Sri Dukhi Shyam Miniyaka. The ward member of the village along with villagers and the representative of Aditya aluminium Co. Sri Satya Sunder Sahu(I.O) attended the meeting. It was discussed in the meeting about the requirement of Govt. Forest land for Aditya Aluminium Refinery for 220 K.V. Line corridor. The requirement of Govt Plots of our village for Aditya Aluminium refinery for 220 K.V. line corridor vide Khata No 12, Plot No- 4/1(area 0.87 acres) and khata No 8, plot No 2(area 0.58 acres) that is in total area A. 1.45 cares or 0.587 hectares were discussed in the meeting. It was known that in accordance with Govt. Law, the approval of central Govt. is required for the use of the land as non forest purpose.

Hence we the undersigned villagers wanted to intimate to the Govt that there is no right, title, and interest of any scheduled tribes, scheduled caste or general category or any other forest dweller of this village on the above stated plots as per the forest Right Act of 2006 and we do give consent that we did not have any objection or claim if those plots are give to Aditya Aluminium for 220 K.V.line corridor purpose by the Govt. Lastly the meeting ended after giving vote of thanks.

Sd/Block Development Officer
Laxmipur Block

Sd/ Dukhi Shyam Miniyaka
Sarpanch of Burja G.P

Sd/Satya Sundar Sahoo,

Aditya Aluminium

True Copy forwarded
to English attested.

BLOCK DEV. OFFICER

1. Sd/- Durga Prepeka
2. Sd/- Purendra Prepeka
3. Sd/- Siba Prepeka
4. L.T. of Kochedi Prepeka
5. L.T. of Sit me Prepeka
6. L.T. of Sonu Prepeka
7. L.T. of Sombhari Prepeka

8. Sd/- of Kasi Prepeka
9. L.T. Arati Mandinga
10. L.T. Dali Prepeka
11. Sd/- Purna Chandra Prepeka
12. L.T. Rama Prepeka
13. L.T. of Lali Prepeka
14. L.T. of Pulme Prepeka
15. L.T. Sara Prepeka
16. L.T. Aounla Prepeka
17. L.T. Walsi Prepeka
18. L.T. Tikomo Mandinga
19. Sd/- Anana Prepeka
20. L.T. of Salai Prepeka
21. L.T. of Dasru Mandinga
22. L.T. of Alai Hikoka
23. L.T. of Sarda Hikoka
24. L.T. of Rushi Jani
25. Sd/- Sarendra Hikoka

284

લગીત
વેળાંની ગાદી

285

લગીત વાણજી ગાદી

286

લગીત
ગાદીની ગાદી

287

લગીત દાણજી ગાદી

288

લગીત
સુપુત્રી ગાદી

289

લગીત ચાંચાળી ગાદી

290

લગીત
સુપુત્રી ગાદી

291

લગીત
દાણજી ગાદી

292

લગીત
ગાદીની ગાદી

293

લગીત
સુપુત્રી ગાદી

294

LTI & ગાંધી

295

LTI & ગાંધી

296

LTI & ગાંધી

297

LTI & ગાંધી

298

LTI & ગાંધી

299

LTI & ગાંધી

300

LTI & ગાંધી

301

LTI & ગાંધી

302

LTI & ગાંધી

303

LTI & ગાંધી

304 [Redacted] ମାଟି

305 [Redacted] ଦୁଇ ମାଟି

306 [Redacted] ଶାମ ମାଟି

307 [Redacted] ମାଟି

308 [Redacted] ଶାମ ମାଟି

309 [Redacted] ମାଟି

310 [Redacted] ଶାମ ମାଟି

311 [Redacted] ମାଟି

CONCERNED DISTRICT


Rayagada

1. It is certified that the complete process for diversion and settlement of rights under the Scheduled Tribe and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 has been carried out for the entire forest area of 13.509 hectares (33.38 acres) proposed for diversion for Aditya aluminium Refinery ,Laxmipur Project. The concerned record of all consultations and meetings held are annexed.
2. It is certified that the proposals for such diversion have been placed before each of the Gram Sabhas of forest dwellers who are eligible under the Forest Rights Act. Details of the projects and its implications have been explained to them in vernacular, Local language.
3. It is certified that discussions and decisions on such proposals had taken place only when there was a quorum of minimum 50% of members of the Gram Sabha Present.
4. It is certified that the rights of the primitive tribal groups and pre agricultural communities have been specifically safeguarded as per Section 3(1),(e) of the Forest Rights Act.
5. It is certified that the diversion of forest land for facilities manage by Government as require under Section 3(2) of the Forest Rights Act(if any) have been completed and that the Gram Sabhas have consented to it.

Collector, Rayagada District,
& Chairman District Level Committee

COLLECTOR
RAYAGADA

Enclosed the Gram Sabha Resolution of eight villages in local Oriya Language, along with its English Translated copies giving consent for diversion of Forest Lands in their respective villages where in more than 50% of the members were present and have given their consent.


20/6/11
B.D.O. Kashipur
BLOCK DEVELOPMENT OFFICER
KASHIPUR

OFFICE OF THE DIVISIONAL FOREST OFFICER, RAYAGADA DIVISION

Memo No. 7407 /4F(Misc) 543/2010
Dated, Rayagada the 24th October 2011.

To

The Divisional Forest Officer,
Koraput Division, Koraput.

Sub:

Proposal for diversion of 49.899 hectare of forestland in Koraput and Rayagada district of Orissa for Establishment of an Alumina Refinery at Kansariguda with co-generation of Power by M/S Aditya Alumina.

Ref:

Your memo No.2896 dated 23.07.2010.

In inviting a reference to your memo No. cited above on the subject I submit herewith the required certificate under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 along with resolution of Gram Sabha in Oriya and English version in respect of proposed diversion of 13.509 hectare (33.38 Ac) of forest land for Establishment of an Alumina Refinery at Kansariguda with co-generation of Power by M/S Aditya Alumina duly signed by the Collector, Rayagada for the following villages for your information and necessary action.

1. Kansariguda
2. Puhundi
3. Kindripadar
4. Panchali
5. Kapadang
6. Toyaput
7. Sankarada
8. Kindripadar R.P.

Encl: Photo Copy of Certificate.

[Signature]
24/10/11
Divisional Forest Officer,
Rayagada Division

Memo No. _____ /4F(Misc) Dated _____
Copy forwarded to the Regional Chief Conservator of Forests, Koraput Circle, Koraput for favour of information and necessary action in continuation to this office Memo No. 5286 dated 09.07.2010.

//
Divisional Forest Officer
Rayagada Division.

Memo No. _____ /4F(Misc) Dated _____
Copy forwarded to the Chief Conservator of Forests (F.D & N.O. F.C.Act), Office of the Principal Chief Conservator of Forest, Orissa, Bhubaneswar for information and necessary action in continuation to this office Memo No. 5287 dated 09.07.2010.

//
Divisional Forest Officer
Rayagada Division.

LANDSCHEDULE OF FOREST LANDS IN THE PROPOSED ALUMINA REFINERY OF ADITYA ALUMINIUM (RAYAGADA DIST.)

S.No.	talashila	panchayat	village	purpose	Khasa No.	Plot No	Proposed area/Acre	area in hec.	Kissam	Remarks
1	Khatiput	Podanasi	Kansariouda	core plant area	330	8	0.77		gramya jungle	
2					330	12	1.22		gramya jungle	
3					330	17	0.39		gramya jungle	
4					330	34	0.22		gramya jungle	
5					330	61	5.22		gramya jungle	
6					330	65	0.04		gramya jungle	
7					330	66	0.06		gramya jungle	
8					330	104	0.68		gramya jungle	
9					330	113	0.17		gramya jungle	
10					330	114	0.10		gramya jungle	
11					330	121	0.42		gramya jungle	
12					330	124	0.27		gramya jungle	
13					330	130	0.93		gramya jungle	
14					330	133	1.58		gramya jungle	
15					330	181	0.10		gramya jungle	
16					330	523	0.28		gramya jungle	
17					330	524	0.16		gramya jungle	
18					330	532	0.07		gramya jungle	
19					330	534	0.14		gramya jungle	
20					330	540	0.16		gramya jungle	
21					330	561	2.00		gramya jungle	
22					330	508	0.80		gramya jungle	
23					330	567	1.33		gramya jungle	
24					330	631	0.10		gramya jungle	
25					330	639	0.10		gramya jungle	
26					330	643	0.36		gramya jungle	
27					330	881(p)	0.09		gramya jungle	
28					330	878(p)	0.18		gramya jungle	
29							12.23	4.949		
30				total						
31				conver belt	330	802(p)	1.60		parbatia r.f	Kodimga P.R.F
32				and	330	1481(p)	0.11		parbatia r.f	Kodimga P.R.F
33				proposed road	330	1482(p)	0.77		parbatia r.f	Kodimga P.R.F
34					330	1488(p)	1.92		parbatia r.f	Kodimga P.R.F
35					330	1519(p)	3.37		parbatia r.f	Kodimga P.R.F
36					330	1520(p)	0.70		parbatia r.f	Kodimga P.R.F
37					330	1522(p)	2.37		parbatia r.f	Kodimga P.R.F
38					330	1523(p)	0.95		parbatia r.f	Kodimga P.R.F
				total			11.79	4.771		
				G. total			24.02			

Aditya

Sl.No.	talhasile	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	area in hec.	Kissam	Remarks
1	Kasipur	Sankarada	Kahseriguda	water pipe line	28	170(p)	0.02		Gramya Jungle	
2					28	231(p)	0.35		Gramya Jungle	
3				Total			0.37	0.151		
Sl.No.	talhasile	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	area in hec.	Kissam	Remarks
1	Kasipur	Papapadi	Puhundi	town ship	389	274	0.18		Gramya Jungle	
2					389	709	0.18		Gramya Jungle	
3					389	783	0.28		Gramya Jungle	
				Total			0.56	0.225		
Sl.No.	talhasile	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	area in hec.	Kissam	Remarks
1	Kasipur	Bankamba	Kindirpadar	water pipe line	17	26	0.35		Patre jungle	
				Total			0.35	0.342		
Sl.No.	talhasile	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	area in hec.	Kissam	Remarks
1	Kasipur	Bankamba	Kindirpadar	water pipe line			4.94		Reserve forest	
				Total			4.94	1.999		
				Grand Total			5.29			
Sl.No.	talhasile	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	area in hec.	Kissam	Remarks
1	Kasipur	Sankarada	Panchari	water pipe line	255	1830	0.18		Gramya Jungle	
				Total			0.18	0.073		

Sl.No.	talhasile	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	area in hec.	Kissam	Remarks
1.	Kasoli	Sankarade	Kapadanga	water pipe line	32	250	0.40		gramya jungle	
					Total		0.40	0.112		

Sl.No.	talhasile	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	area in hec.	Kissam	Remarks
1	Kasipor	Sankarade	Tovadut	water pipe line	36	205(p)	0.07		gramya jungle	
1					36	185(p)	0.05		gramya jungle	
1					36	186(p)	0.74		gramya jungle	
					Total		1.46	0.551		

Sl.No.	talhasile	panchayat	village	purpose	Khata No.	Plot No	Proposed area(Acre)	area in hec.	Kissam	Remarks
1	Kasipor	Sankarade	Sankarada R.F.	water pipe line		Total	1.10		Reserve forest	
					Grand Total		1.10	0.445		
							35.38	13.509		

Rayagada Dist.(Kasipur Block) for Aditya Aluminium Refinery

DIST	DISTRICT	Aditya Aluminium Refinery		FOREST AREA	
		VILLAGE	BLOCK	IN ACRES	IN HECTRES
	RAYAGADA	kansanguda	Kasipur	24.02	9.72
		Puhundi	Kasipur	0.56	0.226
		Kindripedar	Kasipur	5.29	2.141
		kansanguda	Kasipur	0.37	0.151
		Panchai	Kasipur	0.18	0.073
		Tayapat	Kasipur	1.46	0.591
		Kopadanga	Kasipur	0.4	0.162
		Sankara	Kasipur	1.1	0.445
		Rayagada dist.	Total area	33.38	13.509

CONCERNED DISTRICT

Rayagada

1. It is certified that the complete process for diversion and settlement of rights under the Scheduled Tribe and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 has been carried out for the entire forest area of 13.509 hectares (33.38 acres) proposed for diversion for Aditya aluminium Refinery ,Laxmipur Project. The concerned record of all consultations and meetings held are annexed.
2. It is certified that the proposals for such diversion have been placed before each of the Gram Sabhas of forest dwellers who are eligible under the Forest Rights Act. Details of the projects and its implications have been explained to them in vernacular, Local language.
3. It is certified that discussions and decisions on such proposals had taken place only when there was a quorum of minimum 50% of members of the Gama Sabha Present.
4. It is certified that the rights of the primitive tribal groups and pre agricultural communities have been specifically safeguarded as per Section 3(1),(e) of the Forest Rights Act.
5. It is certified that the diversion of forest land for facilities manage by Government as require under Section 3(2) of the Forest Rights Act(if any) have been completed and that the Gram Sabhas have consented to it.

Collector, Rayagada District,
& Chairman District Level Committee

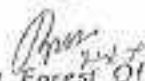
COLLECTOR
RAYAGADA

Enclosed the Gram Sabha Resolution
of eight villages in local Oriya Language,
along with its English Translated copies giving
consent for diversion of Forest Lands

in their respective villages where in more than 50% of the members were present
and have given their consent.


28/6/11
B.D.O. Kashipur
BLOCK DEVELOPMENT OFFICER
KASHIPUR

countersigned.


Divisional Forest Officer
Rayagada Division

ଅନ୍ୟ ତା. ୨୫-୧-୨୦୧୧ ରେ ଆମ୍ଭ ଗ୍ରାମ-ସ୍ତରରୁ ଶୁଣି-ପର୍ଯ୍ୟାୟରୁ ଗ୍ରାମ ସମିତି
 ପ୍ରାୟସଫଳତଃ ଦିନା-୧୧.୦୦ କି ରେ ଗ୍ରାମ ସମିତିର "ସଂଗଠନ" ସଫଳତା
 ଶ୍ରୀ ଅଭିଶାମ ମାଣି କି ସଂଗଠନରୁ ଏକ ଗ୍ରାମ ସମିତି ଗଠନ ହେବାର
 ଉକ୍ତ ଗ୍ରାମ ସଂଗଠନ ଗ୍ରାମର ସମସ୍ତ ସଭା ଦ୍ଵାରା ସମ୍ମତ ଏବଂ ଆଦିତ୍ୟ ମାଣିକିଆ
 କମ୍ପାନୀ ଦ୍ଵାରା ଶ୍ରୀ ସତ୍ୟ ସୁନ୍ଦର ସାହି ତ ଶ୍ରୀ ଚନ୍ଦ୍ର କୁମାର ଦେବୀ ଏବଂ
 ଡାକ୍ତରୀ ଉପସ୍ଥିତ ଥିଲେ । ଉକ୍ତ ସଂଗଠନ କମ୍ପାନୀ ଦ୍ଵାରା ନିର୍ଦ୍ଦାୟନର ଗାମି-
 ପାହୁର ଗ୍ରାମର ମୋଗାଲ ଦାସଙ୍କୁ ପାହୁ ଆଦିତ୍ୟ ସଂଗଠନୀ ଦ୍ଵାରା ବନ୍ଦି ହେଉଥିବା
 ଆଦିତ୍ୟ କହାଯାଉଥିଲା । ଆମ୍ଭ ଗ୍ରାମର ସଂଗଠନୀ ବନ୍ଦି ମଧ୍ୟ ସଂଗଠନୀ ଆମ୍ଭ ଚଳ
 ଚଳିତା ବର୍ଷ ୧୧.୧୦ ଏକର ବନ୍ଦି ଆଦିତ୍ୟ ଦେଉଥିବା ବନ୍ଦା ବନ୍ଦି । ଉକ୍ତ ବନ୍ଦି
 ସଂଗଠନୀ କି ଆମ୍ଭର ସଂଗଠନୀ ଆମ୍ଭ ଦ୍ଵାରା କାର୍ଯ୍ୟ ପାହୁ ଦାସଙ୍କୁ ଦେବା ନିମନ୍ତେ
 ଦେଇ ସଂଗଠନୀ ଅନୁମତି ହୋଇଥିବା ଆଦିତ୍ୟ ଥିବା ଆଦିତ୍ୟଙ୍କୁ ବନ୍ଦା ବନ୍ଦି
 ବନ୍ଦା ଆମ୍ଭେ ନିମ୍ନ ସାମଗ୍ରୀକାରୀ ସଂଗଠନୀ ଦ୍ଵାରା ବନ୍ଦା ବନ୍ଦି
 ଦିଅନ୍ତୁ ଏହି ଗ୍ରାମର ଗୋଟିଏ ଆଦିତ୍ୟ, ଦୁଇକି ଏବଂ ଏକକିଏ ଗ୍ରାମର
 ମାଣିକିଆ (ବନ୍ଦି ବନ୍ଦି ସଂଗଠନୀ ଆମ୍ଭ ୨୦୦୩ ଅବସର) ବନ୍ଦି
 ଏବଂ ଉପସ୍ଥିତ ପାହୁର ଗ୍ରାମର ଗାମି ପାହୁ ଉପସ୍ଥିତ ବନ୍ଦି ବନ୍ଦି
 ଦାସଙ୍କୁ କହିବା ପାହୁ ସଂଗଠନୀ ଆଦିତ୍ୟ ମାଣିକିଆ ନିମ୍ନ
 କମ୍ପାନୀ କି ଅନୁମତି ମୁଦାତ କଲେ ଗ୍ରାମବାସୀଙ୍କୁ ସଂଗଠନୀ
 ଆଦିତ୍ୟ ଅଭିଶାମ ନାହିଁ । ଅନ୍ୟ ସମସ୍ତ ଗ୍ରାମବାସୀଙ୍କୁ ସଂଗଠନୀ
 ସଂଗଠନୀ ଗ୍ରାମର ।

True Copy
attached

Shri 29/6/11
 BLOCK DEVELOPMENT OFFICER
 KASHIPUR

counter signed.

Divisional Forest Officer
 Rayagada Division

ଆମ୍ଭ ମାଣି (ସଂଗଠନୀ)

* Abhisam masli
 Sarapanch
 Sankarada G.P.

B.D.O
 Kasipur Block

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Let of
 (Sriya Al... Rayagada)

Let of



Ltr of ପ୍ରାଚୀନ ମହାଶୟୀ

କାହାଣୀ

ପ୍ରାଚୀନ ହିନ୍ଦୀ



Ltr of ଚେନ୍ନି ହିନ୍ଦୀ

ପଦ୍ମାବତୀ କାହାଣୀ

ଉତ୍କଳା

ନବୀନ କାହାଣୀ



Ltr of ଉତ୍କଳା କାହାଣୀ



Ltr of ଶ୍ରୀମତୀ



Ltr of ସୁନ୍ଦରୀ ହିନ୍ଦୀ



Ltr of ଲକ୍ଷ୍ମୀନାରୀ



Ltr of ସୁଗନ୍ଧା ନାରୀ

କାହାଣୀ



Ltr of ନୟନୀ ନାରୀ

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୧। ଦାମାଜି ଗହରା

୨। ଦୁର୍ଗା ମହା ହିସାବ

୩। କାନ୍ଦିଆ ଶଶି ହିସାବ

୪। ଜାମି ଛତାବି

କିଲ୍ଲି ହିସାବ

୫। କନ ଗୋଷ୍ଠି

ହିସାବ

୬। ଶିଳ୍ପୀ ଗହରା

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୭। ଗହରା ହିସାବ

୮। ଗହରା ଗହରା

୯। କେନ୍ଦ୍ରୀୟ ହିସାବ

୧୩। ଭୂମି ଶାସନ

୧୪। ପ୍ରାକୃତିକ ଶାସନ

୧୫। ପ୍ରାକୃତିକ ଶାସନ

୧୬। ପ୍ରାକୃତିକ ଶାସନ

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Prasanna Halder

Bijaya Nair

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பதிவு செய்துள்ள இலக்கம் 101121


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୧୫। ସୁକ୍ଷ୍ମକୀଟି ପ୍ରଧାନ
 ଦିଗେସୁ ଗୋଷୀ


 LT 1 உயிரியல் 71/224

11. ଭୁବନେଶ୍ୱର ଯାତ୍ରା ପ୍ରସଙ୍ଗ

21/11/2019


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୧୫) ସ୍ନାନ ମାତ୍ରାବୃତ୍ତାନ୍ତି ବିଧି

ଜଣା ଅନୁସନ୍ଧାନ କରିବା

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ଅତୀତା କାଲୁ


 ପ୍ରାଚୀନ ଶିଳା । ଭୁବନେଶ୍ୱର

ଉତ୍ତର ଓ. ବି. ବି.

ମାଟିର ଗାଈର ଗୋଷ୍ଠୀ

ଉତ୍କଳ ପ୍ରଗତି


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ମା ମାୟା ମଣିଷ ମୁଖାଳ

ମା ମୁଖାଳ ମାୟା


ମା ମାୟା ମଣିଷ ମୁଖାଳ

 ୮୩ ମଞ୍ଜୁଳି ଦିଆଅ
ବାହୁଳି ନିର୍ଦ୍ଦେଶ


 ୮୩ ପ୍ରଧାନ ଦିଆଅ

 ୮୩ ଶାନ୍ତି ମାୟା

 ୮୩ ଶାନ୍ତି ମାୟା

 ୮୩ କାନ୍ତ ମାୟା

 ୮୩ ଶାନ୍ତି ମାୟା

 ୮୩ କାନ୍ତ ମାୟା

 ୮୩ ଶାନ୍ତି ମାୟା

 ୮୩ ଶାନ୍ତି ମାୟା

୧୩। ଶୁଭ୍ର ଦିଆଲୁ
ପାଣି ଦିଆଲୁ

୧୪। ସୁଧାବି ଦିଆଲୁ
ନିଜ ନିଜ କ

୧୫। ଚୋର ଚୋର ନି ଗହଣ।
ମନେ ଦିଆଲୁ

୧୬। ଘାଟେଇ ଦିଆଲୁ
ବିକଳ ଚୋର ନି।

୧୭। ଶୁଭ୍ର ଦିଆଲୁ
ନିଜ ନିଜ କ

୧୮। ଧନିକ ନିଜ ଦିଆଲୁ
ନିଜ ନିଜ କ
ନିଜ ନିଜ କ

୧୯। ଦିନେ ନିଜ ଦିଆଲୁ
ନିଜ ନିଜ କ
ନିଜ ନିଜ କ

୨୦। ଦୁଇଟି ଚୋର ନି

୨୧। ନିଜ ନିଜ କ

୧୩୩ ଚିରାଣୀ ଚାଉଳ

ସୁଗନ୍ଧାଳୁ ମାଟି

୧୩୩ ଚାଉଳର ଚାଉଳ

ସୁଗନ୍ଧାଳୁ ମାଟି

୧୩୩ ମାଟିର ଚାଉଳ

୧୩୩ ଚାଉଳର ଚାଉଳ

ସୁଗନ୍ଧାଳୁ ମାଟି

୧୩୩ ଚାଉଳର ଚାଉଳ

ସୁଗନ୍ଧାଳୁ ମାଟି

୧୩୩ ମାଟିର ଚାଉଳ

୧୩୩ ଚାଉଳର ଚାଉଳ

ସୁଗନ୍ଧାଳୁ ମାଟି

୧୩୩ ଚାଉଳର ଚାଉଳ

ସୁଗନ୍ଧାଳୁ ମାଟି

୧୩୩ ଚାଉଳର ଚାଉଳ

ପ୍ରାଚୀନ ନାଟ୍ୟ ବିଧାନ
Anuradha

ପ୍ରାଚୀନ ନାଟ୍ୟ ବିଧାନ
Prasanna Pandey

ପ୍ରାଚୀନ ନାଟ୍ୟ ବିଧାନ
Rebati Pandey

ପ୍ରାଚୀନ ନାଟ୍ୟ ବିଧାନ
Gurucharan Pandey

ପ୍ରାଚୀନ ନାଟ୍ୟ ବିଧାନ
Sankoshi Namgyal

ପ୍ରାଚୀନ ନାଟ୍ୟ ବିଧାନ

ପ୍ରାଚୀନ ନାଟ୍ୟ ବିଧାନ
ଅନୁପମା ନାୟକ
ପ୍ରାଚୀନ ନାଟ୍ୟ ବିଧାନ

ପ୍ରାଚୀନ ନାଟ୍ୟ ବିଧାନ

ପ୍ରାଚୀନ ନାଟ୍ୟ ବିଧାନ

୧୩। ସୁକୁମାର ରାମାୟଣ

୧୪। ରାବଣବିଜୟ ଯାତ୍ରା

୧୫। ଶାବିତ୍ରୀ ବିଧାନ
Bhavatha Ch Mahanty
ଘରରେ ଶୁଣି ସୁଖ

୧୬। ଶାବିତ୍ରୀ ରାମାୟଣ

ସୁକୁମାର ନାୟକ

୧୭। ଦୁର୍ଗାବିଜୟ ଯାତ୍ରା

୧୮। ଶାବିତ୍ରୀ ରାମାୟଣ

ସୁକୁମାର ନାୟକ

୧୯। ଦୁର୍ଗା ବିଧାନ

୨୦। ଦୁର୍ଗା ବିଧାନ

୨୧। ଶାବିତ୍ରୀ ରାମାୟଣ

୧୩। ସୁଦ୍ଧି ଦିଆଲୁ

୧୪। ଦୁଇଦିନି ଖାସଲ

୧୫। ତାହାଙ୍କୁ ଦିଆଲୁ

୧୬। ତାହା ମାଲୁକ

୧୭। ପାହାଣ୍ଡ ଖାସଲ

୧୮। ସୁଦ୍ଧି ଦିଆଲୁ

୧୯। ଲୁହୁଣି ଖାସଲ

୨୦। ମିଳେଇଲେ ମିଳେଇ

୨୧। ଲୁହୁଣି ମିଳି ଦିଆଲୁ

୨୨। ତାହା ଦିଆଲୁ

୧୩୩ ନିମ୍ନ ସତ୍ୟ ଉପାଦାନ

୧୩୩ ଶୁଦ୍ଧ କାର୍ଯ୍ୟ ମାଧ୍ୟମ

୧୩୩ ସୁବର୍ଣ୍ଣ ପ୍ରାକୃତିକ

ନମ୍ରତା ହାତୀ ସାହାଯ୍ୟ

୧୩୩ ଉପାଦାନ ସତ୍ୟ ମାଧ୍ୟମ

୧୩୩ ଶୁଦ୍ଧ ମାଧ୍ୟମ

୧୩୩ ବାସ୍ତବ ମାଧ୍ୟମ

୧୩୩ ପ୍ରାକୃତିକ ମାଧ୍ୟମ

୧୩୩ ଉପାଦାନ କୋଷ

୧୩୩ ସୁବର୍ଣ୍ଣ ମାଧ୍ୟମ

୧୩୩ ଶୁଦ୍ଧ ମାଧ୍ୟମ

୧୩୩ ଚାନ୍ଦିଆ ମାଟି

୧୩୩ ମାଟି ମାଟି

୧୩୩ ମାଟି ମାଟି

୧୩୩ ମାଟି ମାଟି

୧୩୩ ମାଟି ମାଟି

୧୩୩ ମାଟି ମାଟି

Kamalendu Garena

୧୩୩ ମାଟି ମାଟି

୧୩୩ ମାଟି ମାଟି

୧୩୩ ମାଟି ମାଟି

୧୩୩ ମାଟି ମାଟି

୧୦୮ ବାମନା ମାତୃ

୧୦୯ ଶୁଭା ମାତୃ

Subash Nandan

୧୧୦ ଶୁଭା ମାତୃ

୧୧୧ ଶୁଭା ମାତୃ

୧୧୨ ଶୁଭା ମାତୃ

୧୧୩ ଶୁଭା ମାତୃ

୧୧୪ ଶୁଭା ମାତୃ

୧୧୫ ଶୁଭା ମାତୃ

୧୧୬ ଶୁଭା ମାତୃ

୧୩। ଧ୍ୟାନା ମାନ୍ତ୍ର

ପ୍ରଥମ ଶ୍ଳୋକ ୨ ମୁଦ୍ରାକୁ

୧୪। ହିରାଣ୍ୟ ମାନ୍ତ୍ର

ଦ୍ଵିତୀୟ ଶ୍ଳୋକ ୨ ମୁଦ୍ରାକୁ

୧୫। ସରାଞ୍ଜ ମାନ୍ତ୍ର

୧୬। ଶ୍ରୀ ଶୁକ୍ଳା ମାନ୍ତ୍ର

୧୭। ସାଧନା ମାନ୍ତ୍ର

୧୮। ଶ୍ରୀ ଶୁକ୍ଳା ମାନ୍ତ୍ର

୧୯। ବିଦ୍ୟାଞ୍ଜ ମାନ୍ତ୍ର

୨୦। ଶ୍ରୀ ଶୁକ୍ଳା ମାନ୍ତ୍ର

୨୧। ମାତୃକା ମାନ୍ତ୍ର

୨୨। ମାତୃକା ମାନ୍ତ୍ର

ମା ଝୁଲେଇ ଗାଁ

ମା ରାଜ ଗାଁ

ମା ଶୁଣା ଗାଁ

ମା ବିପାକ ଗାଁ

ମା କିନାକ ଗାଁ ଗାଁ ଗାଁ

ଅବତାର ମନ୍ଦିର

ମା ରାଜିଆ ଗାଁ

Rasmita Malanty

ମା ବୁଢ଼ା ଗାଁ

ମା କିନା ଗାଁ

ସୁନାମ ଗାଁ

ମା ସୁଧା ଗାଁ

ମା ଝୁଲେଇ ଗାଁ

୧୩୩ ମାଳବୀକା ମାହିଣୀ

୧୩୪ ଭୃଗୁସୂତ୍ର ମାହିଣୀ

୧୩୫ ଚନ୍ଦ୍ରାବତୀ ମାହିଣୀ

୧୩୬ ଚନ୍ଦ୍ରାବତୀ ମାହିଣୀ

ଅବତାର ଶ୍ରୀମଦ୍

୧୩୭ ମୁଖ୍ୟ ଶାସ୍ତ୍ର ଚିନ୍ତା

୧୩୮ ଭୃଗୁସୂତ୍ର ମାହିଣୀ

୧୩୯ ମିଥ୍ୟାସା ମାହିଣୀ

୧୪୦ କାଳାତ୍ରୀ ମାହିଣୀ

୧୪୧ ଚନ୍ଦ୍ରାବତୀ ମାହିଣୀ

୧୪୨ କଳାବତୀ ମାହିଣୀ

୧୪୩ ଚନ୍ଦ୍ରାବତୀ ମାହିଣୀ

୧୪୪ କାଳାବତୀ ମାହିଣୀ

ମୋ ଶ୍ରୀଯୁକ୍ତ ମାତା

ମୋ କନ୍ୟା ମାତା

ମୋ ଭଉଁରୀ ମାତା

କଲ୍ୟାଣ ବ୍ୟାପାରୀ

ମୋ ଶ୍ରୀଯୁକ୍ତ ମାତା

ମୋ କନ୍ୟା ମାତା

ମୋ ଭଉଁରୀ ମାତା

ମୋ ଶ୍ରୀଯୁକ୍ତ ମାତା

ମୋ ଶ୍ରୀଯୁକ୍ତ ମାତା

ମୋ ଶ୍ରୀଯୁକ୍ତ ମାତା

ମୋ ଶ୍ରୀଯୁକ୍ତ ମାତା

ମୋ ଶ୍ରୀଯୁକ୍ତ ମାତା

ମା ମନ ମାରିବ

ମା ମନ ମାରିବ

ମା ମନ ମାରିବ

ମା ମନ ମାରିବ

ମା ମନ ମାରିବ

ମା ମନ ମାରିବ

ମା ମନ ମାରିବ

ମା ମନ ମାରିବ

ମା ମନ ମାରିବ

୯୩। ବର୍ଷନ ମାରିଣ

୯୩। ଦ୍ଵିତୀୟ ମାରିଣ

ମାମୁଣା ଦକ୍ଷିଣ

୯୩। ମୃଦୁ ମାରିଣ

୯୩। ଛକ ମାରିଣ

ASOSAN Ku Markant

୯୩। ଲଜ୍ଜିତ ମାରିଣ

Pocafule Markant

୯୩। କାଳାକ୍ଷୀ ମାରିଣ

୯୩। ଶାଳାକ୍ଷୀ ମାରିଣ

୯୩। ପାଳାକ୍ଷୀ ମାରିଣ

ମା ଗୁଣାତ ମାଣୀ

ମା ଚିଲି ମାଣୀ

ପ୍ରକାଶ କରାଣୀ

ମା କରୁଛି ମାଣୀ

ମା କାଲୁକୁ ମାଣୀ

ମା ଦୁରୁ ମାଣୀ

ମା ଲୁଗୁ ମାଣୀ

ମା ମୁଖାଟି ମାଣୀ

ମା ଶିଳା ଗୁ ମାଣୀ

ମା କରକା ମାଣୀ

ମା ଶ୍ରାବଣ ମାସେ

ମା ଦିବାଳୀ ମାସେ

ଅନୁଷ୍ଠାନ ସମାପ୍ତି ମହାତ୍ମା

ମା ଦାମସି ମାସେ

ମା ମୁକ୍ତି ମାସେ

ମା ଶ୍ରୀମାତା ମାସେ

ମା ସୁଲଭ ମାସେ

ମା ମହାଶ୍ୱେତା ମାସେ

ମା ମାଧବୀ ମାସେ

ମା କରୁ ମାସେ

ମା ଶ୍ରୀମାତା ମାସେ

ମା ଶ୍ୟାମା ମାରି

କଲେ ମାରି

ମା କରନା ମାରି

ଅଗୋଷ୍ଠ ମାରି

ମା ଧାନ୍ୟ ମାରି

ମୁକ୍ତି ମାରି

ମା ଦିନ ମାରି

ମା କରନା ମାରି

ମା କରନା ମାରି

ମା କରନା ମାରି

କଲେ ମାରି

ମା କରନା ମାରି

୧୩ ମିତାଣି ମାରି

୧୩ ବାଧ୍ୟକ୍ଷ ମାରି

୧୩ ପିଲୁଙ୍କୁ ମାରି

୧୩ ବନି ମାରି

୧୩ ପାଲୁଙ୍କା ମାରି

୧୩ ଛୁଇଁକ ମାରି

୧୩ କମିଟି ମାରି

୧୩ ଦାଗ ମାରି

ଦୁଇ ଲାଞ୍ଜ

୧୩ ପରକା ମାରି

୧୩ ମିତାଣି ମାରି

୧୩ ମିତାଣି ମାରି

ମା ସାମ୍ୟା ମାଟ୍ଟି

ମା ନମାଂତୁ ଗାଟ୍ଟି
ହାଲିନି ମାଟ୍ଟି

ମା ହାଲିନି ମାଟ୍ଟି

ମା ନିନ୍ଦା ମାଟ୍ଟି

ମା ଲୁଚି ମାଟ୍ଟି
ମାଟ୍ଟି ମାଟ୍ଟି

ମା ହାଲିନି ମାଟ୍ଟି

ମା ହାଲିନି ମାଟ୍ଟି

ମା ଦାମା ମାଟ୍ଟି

୮୩ ଶାନ୍ତବିରା ମାରି

୮୩ ଶାନ୍ତବିରା ମାରି

୮୩ ଶାନ୍ତବିରା ମାରି

୮୩ ଶାନ୍ତବିରା ମାରି

୮୩ ଶାନ୍ତବିରା ମାରି

୮୩ ଶାନ୍ତବିରା ମାରି

୮୩ ଶାନ୍ତବିରା ମାରି

୮୩ ଶାନ୍ତବିରା ମାରି

୮୩ ଶାନ୍ତବିରା ମାରି

୮୩ ଶାନ୍ତବିରା ମାରି

ENGLISH TRANSLATION OF GRAMA SABHA RESOLUTION

Village: Sankarda, Block: Kasipur, Dist: Rayagada

Today dated 29.06.11 a Gram Sabha was organized in front of Panchayat Hall of Sankarda at 11.00 A.M. which was presided over by Sri Abhiram Majhi, Gram Panchayat Sarapanch. All villagers, Ward Member of the village, Sri Satya Sundar Sahu and Sri Tapan kumar Jena - representative of the Company and other members were present in the meeting. Requirement of land in the Category of Forest kissam for water pipe line was discussed in this meeting. Government (Forest Category) RF Land of Ac 1.10 of sankarada R.F. is required of our village. As per Government rules/laws permission has to be sought from Central Government for using these lands for non-forest use. Therefore we the undersigned villagers wanted to bring it to the notice of Government that there is no right, title and interest of any Scheduled Tribe, Scheduled Caste or General Category of people in those land as per Forest Rights Act 2006. We do not have any kind of objection over these Forest Land if the Government accords permission to lease out and/or give to the Aditya Aluminium (HINDALCO) company for pipe line. Thus all the villagers have given consent for the same.

Sd/- Abhiram Majhi
Sarpancha of Sankarada G.P.

Sd/- B.D.O. Kasipur

Sd/- Tapan Ku. Sahu. Aditya Aluminium

Sd/- Satya Sundar Sahu, Aditya Aluminium

English Version attested
29/6/11

Countersigned


District Forest Officer
Rayagada Division

Name of the Village	Sl. No.	Name
Sankarada		

- 1 Sd/- Asu Majhi
- 2 Sd/- Gouri Sahu
- 3 Sd/- Basarata Hilaga
- 4 Sd/- Daba Majhi
- 5 LTI of Dilip Khosala
- 6 LTI of Rajesh Naik
- 7 LTI of Madhab Khasala
- 8 Sd/- Kai Bal
- 9 Sd/- Bhalu Hial
- 10 LTI of Teli Hial
- 11 Sd/- Chandramani Khasala
- 12 Sd/- Rabi Naik
- 13 Sd/- Narendra Naik
- 14 LTI of Rasik Naik
- 15 LTI of Sanu Majhi
- 16 LTI of Surendra Halba
- 17 LTI of Lachamani Majhi
- 18 LTI of Manik Majhi
- 19 Sd/- Bamana Majhi
- 20 LTI of Rangu Majhi
- 21 Sd/- Api Majhi
- 22 Sd/- Bela Majhi
- 23 Sd/- Guburi Majhi
- 24 LTI of Baga Majhi
- 25 Sd/- Sada Majhi
- 26 LTI of Rahita Majhi
- 27 LTI of Bagi Majhi
- 28 LTI of Pita Majhi
- 29 Sd/- Aga majhi
- 30 LTI of Sanar Majhi
- 31 Sd/- Pradhani Harpal
- 32 Sd/- Biru Naik

- 33 Sd/- Jalen Naik
- 34 Sd/- Parame Hanwa
- 35 Sd/- Bijaya Naik
- 36 Sd/- Gagan Das
- 37 Sd/- Prasna Kumar Das
- 38 Sd/- Hari Mohanty
- 39 Sd/- Balaram Mohanty
- 40 Sd/- Bata Gouda
- 41 Sd/- Prasana Kumar Mohanty
- 42 Sd/- Samanath Sahu
- 43 LTI of Mohan Pradhan
- 44 LTI of Sashidei Gouda
- 45 LTI of Chora Gouda
- 46 Sd/- Duryodhan Panda
- 47 LTI of Mandeni Harijano
- 48 LTI of Radhamani Harijano
- 49 LTI of Smt. Damgarama
- 50 LTI of Apena hiyar
- 51 LTI of Nobino Khora
- 52 LTI of Eswar Khora
- 53 LTI of Indra Hiyar
- 54 LTI of Swarojini Pradhan
- 55 Sd/- Upendra Khora
- 56 LTI of Sumoti Nayak
- 57 LTI of Bhaktandamani Harijan
- 58 LTI of Sakardeyi dongiri
- 59 LTI of Sabita Nayak
- 60 LTI of Buru Budi Hiyar
- 61 Sd/- Sarat Nayak
- 62 LTI of Mohan Pradhan
- 63 LTI of Uden Khora
- 64 LTI of Saiban Nayak
- 65 LTI of Aichana hiyanda
- 66 LTI of Prati Baso Nayak
- 67 LTI of Bhaskar Nayak
- 68 LTI of Antomani Nayak

- 69 LTI of Ulma Nayak
- 70 LTI of Mundha Bagha
- 71 Sd/- Jasmita Bagha
- 72 LTI of Arjono Horjono
- 73 LTI of Sanno MorichoMoti Nayak
- 74 LTI of Dharjoboti Nayak
- 75 LTI of Bhagyaboti Nayak
- 76 Sd/- Agoda Bagha
- 77 LTI of Prorominda Horijon
- 78 LTI of Adi Bagha
- 79 LTI of Satyavati Horijon
- 80 Sd/- Mujula Horijon
- 81 LTI of Bhydehi Bagha
- 82 LTI of Ramodevi Horijon
- 83 LTI of Phulmati nayak
- 84 LTI of Rupayi Hiyal
- 85 LTI of Sobari Hiyal
- 86 LTI of Sibo Hiyal
- 87 Sd/- Binando KU. Nayak
- 88 LTI of Rama Nayak
- 89 LTI of Taro Moni Beniya
- 90 LTI of Ramo mochi Horijono
- 91 LTI of Sukru Nayak
- 92 LTI of Radena Hiyar
- 93 LTI of Monguli Hiyar
- 94 Sd/- Bauli Nayak
- 95 LTI of Pradhanni Hiyar
- 96 LTI of Sagara Nayak
- 97 LTI of Hori Nayak
- 98 LTI of Kale Nayak
- 99 LTI of Santa Nayak
- 100 LTI of Bhibisana Beniya
- 101 LTI of Surendra Halua
- 102 LTI of Baya Moni Hiyal
- 103 LTI of Sanu Hiyal
- 104 Sdr/- Pobitra Hiyal

- 105 LTI of Sudan HiyaI
- 106 Sd/- Nobino Nayak
- 107 LTI of Jhoderi Goroda
- 108 Sd/- Mamota Holua
- 109 LTI of Ghasen HiyaI
- 110 Sd/- Bijaya Komala
- 111 LTI of Sona HiyaI
- 112 Sd/- Sonyasi HiyaI
- 113 LTI of Kakarmachi HiyaI
- 114 Sd/- Maheswari HiyaI
- 115 Sd/- Upendra nath HiyaI
- 116 Sd/- Daimati HiyaI
- 117 Sd/- Nilandar hiyaI
- 118 Sd/- Rosiko Nayak
- 119 LTI of BudaYi Khosala
- 120 LTI of Mangaren Halunda
- 121 LTI of Sadamani HiaaI
- 122 LTI of Danari Goroda
- 123 LTI of Duriyamani HiyaI
- 124 LTI of Kaliyamani HiyaI
- 125 LTI of Ghasi Dongari
- 126 Sd/- Nilondra HiaaI
- 127 LTI of Jono Kosola
- 128 Sd/- Chandraika HiyaI
- 129 LTI of Biren Goroda
- 130 Sd/- Bisekha Goroda
- 131 LTI of Udhar HiaaI
- 132 LTI of Rochona Goroda
- 133 LTI of Gokul Halua
- 134 LTI of Khudo Goroda
- 135 LTI of Pardeshi Goroda
- 136 LTI of Sulachana Goroda
- 137 LTI of Datri HiyaI
- 138 Sd/- Radhamani Nayak
- 139 LTI of Lokonath Khosola
- 140 Sd/- Rasmesh Chandra Das

141	Sd/- Prasanna Das
142	LTI of KoroPhulo Nayak
143	Sd/- Boloram Mohanty
144	Sd/- Bibisond Gouda
145	LTI of Niro Bag
146	Sd/- Padmabati Ponda
147	LTI of Nakul Khora
148	LTI of Joloti Khora
149	Sd/- Radha Krushna Nayak
150	LTI of Paraboti Khora
151	Sd/- Sukanti Das
152	LTI of Saivan Hiriyakat
153	LTI of Jomuni Bag
154	Sd/- Surekha Mohanty
155	LTI of Jachken Dongari
156	Sd/- Sabita Panda
157	LTI of Mongantya Hiaal
158	LTI of Swarjyo Mani Khora
159	Sd/- Romakanto Nayak
160	LTI of Kasi Dongari
161	Sd/- Srimoti Khora
162	LTI of Subhodra Khora
163	LTI of Jolomati Hiaal
164	Sd/- Anita Das
165	LTI of Echaboti Khora
166	Sd/- Prasant Ponda
167	LTI of Rupaboti Khora
168	Sd/- Rebatl Panda
169	LTI of Sulochana Khora
170	Sd/- Guruchar Pradhan
171	LTI of Kudhayi Khora
172	Sd/- Santosh Nayak
173	LTI of Moniram Khora
174	Sd/- Annapurna Nayak
175	LTI of Jomuna Hiaal
176	Sd/- Bhagyaxmi Nayak

177	LTI of Robi Khora
178	LTI of Sahadev Khora
179	LTI of Rupodeyi Khora
180	LTI of Goda Hiaal
181	Sd/- Probadha Ch. Mohanty
182	Sd/- Kopileswar Swain
183	LTI of Gobind Khora
184	Sd/- Suresh Nayak
185	LTI of Dumeyi deye Khora
186	LTI of Ani Khora
187	Sd/- Sujata Nayak
188	LTI of Janu Hiaal
189	LTI of Dulob Hiaal
190	LTI of Madhab Hiaal
191	LTI of Sauchi Hiaal
192	LTI of Dropoti Khosla
193	LTI of Tara Boti Hiaal
194	LTI of Sorono Nayak
195	LTI of Parboti Dongri
196	LTI of Suddo Halua
197	LTI of Lachim Khora
198	LTI of Narendra Nayak
199	LTI of Lcha Moti Hiyai
200	LTI of Delli Hiaal
201	LTI of Chandra Moti Khosla
202	LTI of Gurubari Majhi
203	LTI of Draupoti Halua
204	Sd/- Momati Rani Bachar
205	LTI of Khadiri Moti Khora
206	LTI of Moti Majhi
207	LTI of Damu Majhi
208	LTI of Dandu Majhi
209	LTI of Champai Gochha
210	LTI of Tume Majhi
211	LTI of Duli Majhi
212	LTI of Delayi Majhi

- 213 LTI of Salai Majhi
- 214 LTI of Sunkhayi Majhi
- 215 LTI of Balmo Majhi
- 216 LTI of Chaita Majhi
- 217 LTI of Aleme Majhi
- 218 Sd/- kmalendu Gaena
- 219 LTI of Bhalu Majhi
- 220 LTI of Sudhu Majhi
- 221 LTI of Jolayi Maji
- 222 LTI of Kusukudi Hiaal
- 223 LTI of Bamoti Majhi
- 224 LTI of Rushi Majhi
- 225 LTI of Subasa Nayak
- 226 LTI of Lula Majhi
- 227 LTI of Echamani Majhi
- 228 LTI of Ullash Majhi
- 229 LTI of Jnayi Majhi
- 230 LTI of Nileyi Majhi
- 231 LTI of Godi Majhi
- 232 LTI of Medha Majhi
- 233 LTI of Aga Majhi
- 234 Sd/- Prasanna Kumar Mahanty
- 235 LTI of Rupai Majhi
- 236 Sd/- Kumuduni Mahanty
- 237 LTI of Sobayi Majhi
- 238 LTI of Muniya Majhi
- 239 LTI of SaDhab Majhi
- 240 LTI of Kumuti Majhi
- 241 LTI of Dipayi Majhi
- 242 LTI of Tulosa Majhi
- 243 LTI of Manika Majhi
- 244 LTI of Mayi Majhi
- 245 LTI of Lulomai Majhi
- 246 LTI of Rala Majhi
- 247 LTI of Suta Majhi
- 248 LTI of Dipayi Majhi

- 249 LTI of Kanayi Deyr Gautiaa
- 250 Sd/- Amitab Mohanty
- 251 LTI of Ramayya Majhi
- 252 Sd/- Rasmita Mahanty
- 253 LTI of Brunda Majhi
- 254 LTI of Kodadi Majhi
- 255 Sd/- Jugeswar Gopal
- 256 LTI of SuDhudi Majhi
- 257 LTI of Sulmai Majhi
- 258 LTI of Maloti Majhi
- 259 LTI of Ukremar Majhi
- 260 LTI of Lengu Majhi
- 261 LTI of Jhilu Majhi
- 262 Sd/- Alok Majhi
- 263 LTI of Muaa Gonulia
- 264 LTI of Bbansi Majhi
- 265 LTI of Nilaso Majhi
- 266 LTI of Kadadi Majhi
- 267 LTI of Phannsr Majhi
- 268 LTI of Bonda Bati Majhi
- 269 LTI of Menda Majhi
- 270 LTI of Kasu Majhi
- 271 LTI of Sopayi Majhi
- 272 LTI of Bame Majhi
- 273 LTI of Usha Majhi
- 274 Sd/- Nolorim Kepal
- 275 LTI of Sitayi Majhi
- 276 LTI of Kalu Majhi
- 277 LTI of Ketu Majhi
- 278 LTI of Suaari Majhi
- 279 LTI of Sanayi Majhi
- 280 LTI of Madubati Majhi
- 281 LTI of Tansir Majhi
- 282 LTI of Dasom Majhi
- 283 LTI of Nando Majhi
- 284 LTI of Gogo Majhi

- 285 LTI of Yigi Majhi
286 LTI of Ulla Majhi
287 LTI of Sojayi Majhi
288 LTI of Sasdda Majhi
289 LTI of Sima Majhi
290 LTI of Roda Majhi
291 LTI of Gurunath Majhi
292 LTI of Pabon Majhi
293 LTI of Minayi Majhi
294 Sd/- Momata Dandasena
295 LTI of Madhu Majhi
296 LTI of Dida Majhi
297 LTI of Asosak Ku. Mahanty
298 LTI of Kesari Majhi
299 LTI of Prafulla Mahanty
300 LTI of Bondasi Majhi
301 LTI of Sabari Majhi
302 LTI of Padayi Majhi
303 LTI of Rosayi Majhi
304 LTI of Tili Majhi
305 Sd/- Probir Mahanty
306 LTI of Kotuli Majhi
307 LTI of Kanduli Majhi
308 LTI of Dugu Majhi
309 LTI of Lombu Majhi
310 LTI of Suaani Majhi
311 LTI of Sibari Majhi
312 LTI of Bimola Majhi
313 LTI of Bhagi Majhi
314 LTI of Dipayi Majhi
315 Sd/- Aruta Kumar Majhi
316 LTI of Danosi Majhi
317 LTI of Sukanti Majhi
318 LTI of Riaayi Majhi
319 LTI of Sulomai Majhi
320 LTI of Andru Majhi

- 321 LTI of Mabari Majhi
322 LTI of Janu Majhi
323 LTI of Domana Majhi
324 LTI of Ramo Majhi
325 Sd/- Kayil Majhi
326 LTI of Bamonda Majhi
327 Sd/- Ameresh Mahanty
328 LTI of Alomay Majhi
329 Sd/- Losno Giraj
330 LTI of Dilla Majhi
331 LTI of Lola Majhi
332 LTI of Bodu Majhi
333 LTI of Kosma Majhi
334 Sd/- Nulonabalo Mahanti
335 LTI of Batiri Majhi
336 LTI of Sitayi Majhi
337 LTI of Bariji Majhi
338 LTI of Pinbu Majhi
339 LTI of Bogi Majhi
340 LTI of Palonga Majhi
341 LTI of Juroko Majhi
342 LTI of Kanayi Majhi
343 LTI of Dag Majhi
344 Sd/- Dipu Gouda
345 LTI of Porodi Majhi
346 LTI of Michayi Majhi
347 LTI of Soyiti Majhi
348 LTI of Samya Majhi
349 LTI of Nammare Majhi
350 Sd/- Hiddimi Majhi
351 LTI of Robito Majhi
352 LTI of Ninda Mti Majhi
353 LTI of Luki Majhi
354 Sd/- Muba Majhi
355 LTI of Pujeme Majhi
356 LTI of Komna Deyi Majhi

- 357 LTI of Doba Majhi
- 358 LTI of Kamoti Majhi
- 359 LTI of Iddare Majhi
- 360 LTI of Kane Majhi
- 361 LTI of DuKhu Majhi
- 362 LTI of Sunu Majhi
- 363 LTI of Rothachi Majhi
- 364 LTI of Rokshi Majhi
- 365 LTI of Dulome Deyi Majhi
- 366 LTI of Harorsha Majhi
- 367 LTI of Miduli Majhi

Tapan K. Jena,
Aditya, Alami, et al.

କାଗଜର ମାଧ୍ୟମ



Letter of ଆଦିମାହି



Letter of ବେନୁମାହି

ବିଷୟ ମାହି



Letter of ଆଗ୍ରମାହି

Amine mohini

ଜିନାମାହି

ଜିନାମାହି

ଜାଗର ମାହି



Letter of ବାହୁମାହି



Letter of ବାହୁମାହି



Letter of ଅମିତାମାହି

ବିଷୟ ମାହି

ଜିନାମାହି



Letter of ଜାଗ ମାହି



Letter of ଜିନାମାହି

ସିଦ୍ଧାନ୍ତ
କେନ୍ଦ୍ର ମାନ୍ୟ

କେନ୍ଦ୍ର ମାନ୍ୟ
କେନ୍ଦ୍ର ମାନ୍ୟ

କେନ୍ଦ୍ର ମାନ୍ୟ
କେନ୍ଦ୍ର ମାନ୍ୟ

କେନ୍ଦ୍ର ମାନ୍ୟ

କେନ୍ଦ୍ର ମାନ୍ୟ

କେନ୍ଦ୍ର ମାନ୍ୟ

କେନ୍ଦ୍ର ମାନ୍ୟ

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କେନ୍ଦ୍ର ମାନ୍ୟ

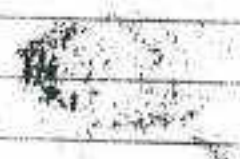
କେନ୍ଦ୍ର ମାନ୍ୟ

କେନ୍ଦ୍ର ମାନ୍ୟ

কেন্দ্রীয়



২৩/৭/১০



ENGLISH TRANSLATION OF GRAMA SABHA RESOLUTION

Village: Tayaput, Block: Kasipur, Dist: Rayagada

Today dated 29.06.11 a Gram Sabha was organized of Tayaput about 10.45 A.M. which was presided over by Sri Abhiram Majhi, Gram Panchayat Sarapanch. All villagers, Ward Member of the village, Sri Tapan kumar Jena & Sri Satya Sundar Sahu- representative of the Company and other members were present in the meeting. Requirement of land in the Category of Forest kissam for water pipe line was discussed in this meeting. Government (Forest Category) Land of one Khata no. 36 and its plots an extent of Ac.0.07(plot No.208), Ac. 0.65(-plot No.185), Ac. 0.74(plot No.186).Grand Total Area of Land is Ac 1.46 required of our village. As per Government rules/laws permission has to be sought from Central Government for using these lands for non-forest use. Therefore we the undersigned villagers wanted to bring it to the notice of Government that there is no right, title and interest of any Scheduled Tribe, Scheduled Caste or General Category of people in those land as per Forest Rights Act 2006.We do not have any kind of objection over these Forest Land if the Government accords permission to lease out and/or give to the Aditya Aluminium (HINDALCO) company for pipe line. Thus all the villagers have given consent for the same.

At last the meeting ended with vote of thanks to all present

Sd/- Abhiram Majhi
Sarpancha of Sankarada G.P.

Sd/- B.D.O. Kasipur

Sd/- Tapan Ku. Sahu.Aditya Aluminium

Sd/-Satya Sundar Sahu, Aditya Aluminium

English Version attested
[Signature]
29/6/11

BLOCK DEVELOPMENT OFFICER
KASHIPUR

Counter signed

[Signature]
Divisional Forest Officer
Rayagada Division

Name of village	SL NO	NAME
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Tayaput	1	SD/-of Bagi Majhi
	2	SD/-of Dulab Majhi
	3	SD/-of Nathu Majhi
	4	LTI/-of Lachi Majhi
	5	SD/-of Kambu Majhi
	6	SD/-of Nilambar Majhi
	7	SD/-of Hana Majhi
	8	LTI/-of Eswar Majhi
	9	LTI/-of Ani Majhi
	10	LTI/-of Ghenu Majhi
	11	SD/-of Bitu Majhi
	12	LTI/-of Ashu Majhi
	13	SD/-of Amina Majhi
	14	SD/-of Lika Majhi
	15	SD/-of Bibina Majhi
	16	SD/-of Dansi Majhi
	17	LTI/-of Danu Majhi
	18	LTI/-of Ratna Majhi
	19	LTI/-of Anchala Majhi
	20	SD/-of Dambu Majhi
	21	SD/-of Kumiti Majhi
	22	LTI/-of Dama Majhi
	23	LTI/-of Tila Majhi
	24	SD/-of Sikari Majhi
	25	SD/-of Begu Majhi
	26	LTI/-of Lendu Majhi
	27	SD/-of Brunda Majhi
	28	LTI/-of Bikari Majhi
	29	LTI/-of Siteri Majhi
	30	LTI/-of Badu Majhi
	31	LTI/-of sita Majhi
	32	SD/-of Patro Majhi

- 33 SD/-of Jhudu Majhi
- 34 LTI/-of Praka Majhi
- 35 SD/-of Lukinath Majhi
- 36 SD/-of Sridhar Majhi
- 37 SD/-of Bagra Majhi
- 38 SD/-of Uokil Majhi
- 39 SD/-of Lada Majhi
- 40 LTI/-of Niti Majhi
- 41 SD/-of Syama Majhi
- 42 SD/-of Leda Majhi
- 43 LTI/-of Landa Majhi

Let it be $\frac{1}{2}$!

ଜିଲ୍ଲାବାସୀ

ବାସିବାସୀ

Lt of ଜିଲ୍ଲାବାସୀ

Lt of ଜିଲ୍ଲାବାସୀ

Lt of ବାଲିଆବାସୀ

Lt of ଶାନ୍ତିବାସୀ

ଝରକାବାସୀ

ଝରକାବାସୀ

ଝରକାବାସୀ

Lt of ମହାବାସୀ

Lt of ଜଳବାସୀ

Lt of ଶାନ୍ତିବାସୀ

ଜିଲ୍ଲାବାସୀ

Lt of ଶାନ୍ତିବାସୀ

Lt of ଶାନ୍ତିବାସୀ

ସ୍ୱାସ୍ଥ୍ୟ ସାଧନ

ଏ ସାହି ସାହି

ଓ ଗାନ୍ଧୀ



Letter of ସାହି ସାହି

ସାହି ସାହି



Letter of ସାହି ସାହି



Letter of ସାହି ସାହି



Letter of ସାହି ସାହି

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Letter of ସାହି ସାହି



Letter of ସାହି ସାହି

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ସାହି ସାହି



Letter of ସାହି ସାହି



Letter of ସାହି ସାହି

ସାହିତ୍ୟ ସାହି ()

Satya m...hi

ନିଜ ସାହି

ସହକାରୀ ସାହି

୧। ସାହିତ୍ୟ ସାହି

୨। ପୁରାଣ ସାହି

୩। ଲୁଚା ସାହି

୪। କଥା ସାହି

୫। ଦୁଇ ସାହି

୬। ବିଷୟ ସାହି

୭। ଭୂତ ସାହି

୮। ପାଦସାହି

୯। ସାଧାରଣ ସାହି

୧୦। ଲୁଚା ବିଷୟ ସାହି

୧। ଲକ୍ଷ୍ମୀ ମାତା

୨। ସାମାନ୍ତ ମାତା

୩। ସପ୍ତମ ମାତା

୪। ମାତା ମାତା

୫। ସପ୍ତମ ମାତା

୬। ସପ୍ତମ ମାତା

୭। ମାତା ମାତା

୮। ସୁନ୍ଦରୀ ମାତା

୯। ଦିବ୍ୟା ମାତା

୧୦। ଅମ୍ଳା ମାତା

୧୧। ଲକ୍ଷ୍ମୀ ମାତା

୧୨। ପଦ୍ମା ମାତା

୧୩। ଲକ୍ଷ୍ମୀ ମାତା

୧୪। ଦିବ୍ୟା ମାତା

ପ୍ରାଚୀନ ମାହିତ

ନିଗୋଳ ମାହିତ

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ମା। ସୁଲିଷ୍ଟ ମାରିବ

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ମା। ଦିଅୁଛନ୍ତି ମାରିବ

ମା। ଜିଜ୍ଞାସା ମାରିବ

ମା। ମାରିବ ମାରିବ

ମା। ଦୁଇଟି ମାରିବ

ମା। ଦମାସ୍ତ ମାରିବ
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ମା। ହାତେ ମାରିବ

ମା। ବଚନେ ମାରିବ

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ମା. ମାରିବ ମାରିବ

୧୩। ସୈନ୍ତବ୍ୟ ମାସ

୧୪। ପାଞ୍ଚମି ମାସ

୧୫। କମ୍ପ କମ୍ପ ମାସ

୧୬। ସୁଦ୍ଧା ମାସ

୧୭। ଆଷାଢ଼ ମାସ

୧୮। ବାଲିକ ମାସ

୧୯। ଅକ୍ଟୋବର ମାସ

୨୦। କରମ ମାସ

୨୧। ମାସିକ ମାସ

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୨୪। ଦ୍ଵିମାସ ମାସ

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ENGLISH TRANSLATION OF GRAMA SHABHA RESOLUTION

Village-Kapadanga,Block-Kasipur,Dt. Rayagada

Today Gramasabha was conducted on 29.06.11 at the centre corridor of the village-Kapadanga under the presidentship of the Sarpanch Sri Abhiram Majhi about 10.30 A.M. The ward member of the village along with villagers and the representative of Aditya aluminium Co. Sri Tapan Kumar Jena & Sri Satya Sunder Sahu attended the meeting. It was discussed in the meeting about the requirement of Govt Forest land for Aditya Aluminium Refinery for water Line corridor. The requirement of Govt Plots of our village for Aditya Aluminium refinery for water line corridor vide Khata No 32 , Plot No-256 (area 0.40 acres) was discussed in the meeting. It was known that in accordance with Govt. Law, the approval of central Govt. is required for the use the land as non forest land.

Hence we the undersigned villagers wanted to intimate the Govt. that there no right, title, and interest of any scheduled tribes , scheduled caste or general category or any other forest dweller of this village on the above stated plots as per the forest Right Act of 2006 and we do give our consent that we did not have any objection or claim if that plots are give to Aditya Aluminium for water line corridor purpose by the Govt. Lastly the meeting ended after giving vote of thanks to the President.

ABHIRAM MAJHI

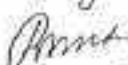
Sarpanch of Sankarada G.P

Sd/- B.D.O. Kasipur

Sd/- Satya sundar Sahu, Aditya Aluminium

Sd/- Tapan Ku. Jena , Aditya Aluminium

Countersigned:


Divisional Forest Officer
Rayagada Division

English version attached
11-7-11

Name of the KAPADANGA	Sl. No.	Name
	1	Sd/- Sariji Majhi
	2	Sd/- Agadhu Majhi
	3	LTI of Kaliya Majhi
	4	LTI of Samuda Majhi
	5	Sd/- Kututa Majhi
	6	Sd/- Api Majhi
	7	LTI of Jogulu Majhi
	8	LTI of Jirome Majhi
	9	LTI of Aleme Majhi
	10	LTI of Sabola Majhi
	11	Sd/- Ubela Majhi
	12	Sd/- Akalo Majhi
	13	Sd/- Genu Majhi
	14	LTI of Mangulu Majhi
	15	LTI of Jalo Majhi
	16	LTI of Sani Majhi
	17	Sd/- Jila Majhi
	18	LTI of Paiko Majhi
	19	LTI of Pati Majhi
	20	Sd/- Burusa Majhi
	21	LTI of Agaji Majhi
	22	LTI of Jaga Majhi
	23	LTI of Arojo Majhi
	24	Sd/- Salo Majhi
	25	LTI of Lodi Majhi
	26	LTI of Anla Majhi
	27	LTI of Narasimha Majhi
	28	Sd/- Gasi Majhi
	29	LTI of Dhāneswar Majhi
	30	LTI of Dasuru Majhi
	31	Sd/- Nasin Majhi
	32	Sd/- Anta Majhi
	33	LTI of Akil Majhi
	34	LTI of Maliki Majhi

- 35 Sd/- Sariti Majhi
- 36 Sd/- Satu Majhi
- 37 Sd/- Nari Majhi
- 38 Sd/- Bonopali Majhi
- 39 LTI of Mati Majhi
- 40 LTI of Punayi Majhi
- 41 LTI of Kuse Majhi
- 42 LTI of Kondoyi Majhi
- 43 LTI of Brunda Majhi
- 44 LTI of Rise Majhi
- 45 LTI of Tulasā Majhi
- 46 LTI of Palanga Majhi
- 47 LTI of SaphaE Majhi
- 48 LTI of Lokadeyi Majhi
- 49 LTI of Kateda Majhi
- 50 LTI of Salayi Majhi
- 51 LTI of Satame Majhi
- 52 Sd/- Asenanta Majhi
- 53 LTI of Sopayi Majhi
- 54 LTI of Sabayi Majhi
- 55 Sd/- Lochayi Majhi
- 56 LTI of Solome Majhi
- 57 LTI of Bimala Majhi
- 58 LTI of Ala Majhi
- 59 LTI of Lachama Majhi
- 60 LTI of Padma Majhi
- 61 LTI of Lume Majhi
- 62 Sd/- Jilame Majhi
- 63 LTI of Haroso Majhi
- 64 LTI of Nileyi Majhi
- 65 LTI of Suna Majhi
- 66 LTI of Sunde Majhi
- 67 LTI of Luaayi Majhi
- 68 LTI of knayi Majhi
- 69 LTI of Yinayi Majhi
- 70 LTI of nondeyi Majhi

- 107 LTI of Bamsidahar Majhi
- 108 LTI of Saroti Majhi
- 109 LTI of Lma Majhi
- 110 LTI of Narendra Majhi

ସମସ୍ତ ଉତ୍କଳ ଗ୍ରାମବାସୀଙ୍କୁ ସହଜରେ ଉପଯୋଗୀ
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 3. Politya N. N. N. N.

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୧୮୯୪ ଉତ୍କଳ ମାଜି

୧୮୯୫ ଉତ୍କଳ ମାଜି

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Promesh - Ch. Tokine

ପ୍ରମେଶ ଚନ୍ଦ୍ର

କୌଣସି



Lt of କିଶୋରୀ



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୧୩ ସୁଭାଷିନୀ ମାତା

Sushanti Khara



୧୩ ଲୁଗତୀ ମାତା



୧୩ ରଞ୍ଜିତା ମାତା



୧୩ ରଞ୍ଜିତା ମାତା

Ranjita Khara



୧୩ ରଞ୍ଜିତା ମାତା



୧୩ ଚିତା ମାତା

Chita Khara



୧୩ ଚିତା ମାତା



୧୩ ଚିତା ମାତା

Vijendra Khara



୧୩ ଚିତା ମାତା

୧୮। କର୍ମାଳିନୀ ଚନ୍ଦ୍ରୀୟା

Karma Khara

୧୯। ଭୂତାଦି ଦଶେ ଚନ୍ଦ୍ରୀୟା

୨୦। ଚନ୍ଦ୍ରମା ମରଣ ଚନ୍ଦ୍ରୀୟା

Prabhata Khara

୨୧। ଚନ୍ଦ୍ରାଦି ଚନ୍ଦ୍ରୀୟା

୨୨। ଚନ୍ଦ୍ରାଦି ଚନ୍ଦ୍ରୀୟା

Subrata Nayan

୨୩। ଚନ୍ଦ୍ରାଦି ଚନ୍ଦ୍ରୀୟା

୨୪। ଚନ୍ଦ୍ରାଦି ଚନ୍ଦ୍ରୀୟା


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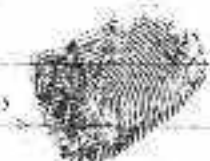
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 ଟା ଲକ୍ଷ୍ମୀ ମାଝି

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 ଟା ଶ୍ରୀମତୀ ସାହୁ

ସୁଜାତା ସାହୁ

 ଟା ଲକ୍ଷ୍ମୀ ମାଝି

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୧୩୪ ଶ୍ରୀ ସୁନା ଟାଙ୍କି

୧୩୫ ଶ୍ରୀ ରାମଚନ୍ଦ୍ର ମାଲିକ

୧୩୬ ଶ୍ରୀ ଅନୁଭବ ଟାଙ୍କି

Satyam Dama Choudhary

୧୩୭ ଶ୍ରୀ ରାମଚନ୍ଦ୍ର ମାଲିକ

୧୩୮ ଶ୍ରୀ ରାମଚନ୍ଦ୍ର ଟାଙ୍କି

ରାମଚନ୍ଦ୍ର ଟାଙ୍କି

୧୩୯ ଶ୍ରୀ ରାମଚନ୍ଦ୍ର ଟାଙ୍କି

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Prasant Maam

LTA ମୁଖ୍ୟ ମାତା ଚାନ୍ଦି

LTA ପ୍ରାଣ ମାତା ଚାନ୍ଦି

Jambaba Khara

LTA କାନ୍ତା ମାତା ଚାନ୍ଦି

LTA ମୁଖ୍ୟ ମାତା ଚାନ୍ଦି

LTA Sadasa Nayak

LTA ପ୍ରାଣ ମାତା ଚାନ୍ଦି

LTA କାନ୍ତା ମାତା ଚାନ୍ଦି

LTA ପ୍ରାଣ ମାତା ଚାନ୍ଦି

LT1 ପଦ୍ମାବତୀ ଶାଢ଼ୀ

Kisora Takri

LT1 ଶୁଭ୍ରାବତୀ ଶାଢ଼ୀ

LT1 ୨ୟ ଶାଢ଼ୀ ଶାଢ଼ୀ

Rajam Munim Takri

LT1 ଦିନା ଶାଢ଼ୀ ଶାଢ଼ୀ


Amit Khata


LT1 ଶୁଭ୍ରାବତୀ ଶାଢ଼ୀ

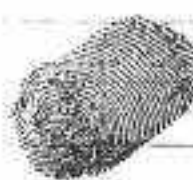
Akhata Garment


LT1 ଶୁଭ୍ରାବତୀ ଶାଢ଼ୀ


LT1 ଶୁଭ୍ରାବତୀ ଶାଢ଼ୀ


 ଟା। ଶାଗରାଜି ଟାକ୍ରି
Sangita Takri


 ଟା। ଶୋନିକା ଟାକ୍ରି

 ଟା। ଅର୍ତ୍ତୁପୁନା ଟାକ୍ରି

 ଟା। ଆଦିକା ଟାକ୍ରି ଟାକ୍ରି


 ଟା। ପୁରୁଷ ଟାକ୍ରି

 ଟା। କରୁଣା ଟାକ୍ରି

 ଟା। ମିଶ୍ର ଟାକ୍ରି

Sajiti Garada

 ଟା। ଭଜା ବଜା ଟାକ୍ରି

 ଟା। ଟାକ୍ରି ଟାକ୍ରି

1. ଟା. ଅକ୍ଷୟ ମାନ୍ତି

ପ୍ରତିଷ୍ଠାତା ଶ୍ରୀମତୀ

2. ଟା. ବାଳକା ମାନ୍ତି

ପ୍ରତିଷ୍ଠାତା ଶ୍ରୀମତୀ

3. ଟା. ମାନ୍ତି ମାନ୍ତି

4. ଟା. ଲକ୍ଷ୍ମୀ ମାନ୍ତି

5. ଟା. ଶ୍ରୀମତୀ ମାନ୍ତି

ନିର୍ଦ୍ଦେଶିତା ଶ୍ରୀମତୀ

6. ଟା. ଶ୍ରୀମତୀ ମାନ୍ତି


7. ଟା. ଶ୍ରୀମତୀ ମାନ୍ତି

8. ଟା. ନିର୍ଦ୍ଦେଶିତା ମାନ୍ତି

9. ଟା. ଶ୍ରୀମତୀ ମାନ୍ତି


 LTI ବାଲୁ ମାଝି


Biranchi Tamara


 LTI ଡାକି ମାଝି

Arosaka Haula


 LTI ପ୍ରାଣ ମାଝି

 LTI ମୁଣ୍ଡ ମାଝି

 LTI ଯୁ ବାଲି ମାଝି

 LTI କୋଳି ମାଝି

Poaladha Karmar Gassola

 LTI ଶୁଣ ମାଝି

Ajru Ram Pakira

 LTI ଶୁଣି ମାଝି

୮୩ ଖରାଦି ଚାନ୍ଦି ଲାଗି

୮୩ ଗ୍ରାହଣ ଲାଗି

ହାତର ଚାନ୍ଦି

୮୩ ଲାଗି ଲାଗି

ପ୍ରକାଶ ବାହା

୮୩ ଲାଗି ଗ୍ରାହଣ

୮୩ ଲାଗି ଲାଗି

୮୩ ଗ୍ରାହଣ ଲାଗି

୮୩ ଲାଗି ଲାଗି

୮୩ ଲାଗି ଲାଗି

LT1 ସ୍ୱର୍ଣ୍ଣ ଗଣି ଜାଣି

ସ୍ୱର୍ଣ୍ଣ ଗଣି

LT2 ଧର୍ମ ବାଞ୍ଛା ମାଞ୍ଜି

Pailu Maji

LT3 ଜିନିଷ ନାହାନ୍ତି

LT4 ଜଗନ୍ନାଥ ମାଞ୍ଜି

ଧର୍ମ ଗଣି

LT5 ଶ୍ରୀଜୀ ମାଞ୍ଜି

ARUN Braham

LT6

ଦେବିନୀ ଜାଣି

LT7 ସ୍ୱର୍ଣ୍ଣ ଗଣି ମାଞ୍ଜି

Rajam Maji

LT8 ଶ୍ରୀଜୀ ଗଣି

ମା. ମୁ. ପାଠି ମାଝି

Keshu Raj Maji

ମା. ଡାକ୍ତରୀ ଚିକିତ୍ସା ମାଝି

Kia Maji

ମା. ଡାକ୍ତରୀ ମାଝି

Kubha Maji

ମା. କାଗାଜି ମାଝି

ମା. ପାଠି କି ମାଝି

କି ମାଝି

ମା. ଶାସ୍ତ୍ର ମାଝି

ମା. ପୁସ୍ତକ ମାଝି

କାଗାଜି ମାଝି

ମା. ଶାସ୍ତ୍ର ମାଝି

1. લા. લાલજી શર્મા ગાંધી

નરસિંહ ગાંધી

2. લા. ભુલજી ગાંધી

દિગા ગાંધી

3. લા. નિલકંઠ ગાંધી

Bhaba Maji

4. લા. નરસિંહ ગાંધી

5. લા. સુનદાજી ગાંધી

Katham Maji

6. લા. જુલિ ગાંધી

7. લા. હરજી ગાંધી

Tumbhe Maji

8. લા. હરજી ગાંધી

LA ~~କିରୀସି~~ ମାଟି

Sarda Me jin

LA ଯକମ ମାଟି

Badhu Maye

LA ବାବୁରୀ କାଟି ମାଟି

LA ମେରୁର ମାଟି

LA ଶୁଣ୍ଢେର ମାଟି

LA ଗୁଳି ମାଟି

Sili Maji

LA ମୁରୁର ମାଟି

LA ଘାଟୁର ମାଟି

୧୮୦ ଘାଣି ମାଡ଼ି
ଅଛି ମାଡ଼ି

୧୮୦ ଧୁନିତ୍ରା ଯନ୍ତ୍ରାଣି

୧୮୦ ଧାନ୍ଦା ମାଡ଼ି

Arta Maṛi

୧୮୦ ଦଗବାଜା ମାଡ଼ି

୧୮୦ ମାଉଡା ମାଡ଼ି
ଘୋଡ଼ା ମାଡ଼ି

୧୮୦ ଚନ୍ଦ୍ରଚନ୍ଦ୍ର ମାଡ଼ି
ବୁଝିଲ ମାଡ଼ି

୧୮୦ ବାଘା ମାଡ଼ି
ମାଡ଼ିଲ ମାଡ଼ି

୧୮୦ ବୁଝାଲ ମାଡ଼ି

ମା। ପାଉଁଶ ମାଝି

ହଳା ବାନ୍ଧିବୁ

ମା। ପାଞ୍ଚ ମାଝି

ପ୍ରମୋଦ ଚାନ୍ଦି

ମା। ମାଝି ମାଝି

ମା। ଦିନାକ ମାଝି

ମାଝି ମାଝି

ମା। ମାଝି ମାଝି

ମାଝି ମାଝି

ମା। ମାଝି ମାଝି

ମା। ମାଝି ମାଝି

ମା। ବୃକ୍ଷ ବଚନ ମାହିଁ

ନିଜ ହୃଦୟରେ ରାଜ୍ୟ

ମା। ଦୁର୍ଗା ମାହିଁ

Rajesh Kumar Gauda

ମା। ସୁବର୍ଣ୍ଣ ମାହିଁ

ମା। ଚନ୍ଦ୍ରାବତୀ ଚନ୍ଦ୍ର ମାହିଁ

ମା। ଚନ୍ଦ୍ରାବତୀ ଚନ୍ଦ୍ର ମାହିଁ

ଆହୁରି କୁମାର ମୋହନ

ମା। ଚାନ୍ଦିନୀ ଚନ୍ଦ୍ର ମାହିଁ

ବଜ୍ରାବତୀ କୁମାର ଚାନ୍ଦି

ମା। ଶ୍ରୀମତୀ ମାହିଁ

ସୁକ୍ତି କାନ୍ତ ଚନ୍ଦ୍ର

ମା। ଚାନ୍ଦିନୀ ମାହିଁ

୧୩। ଚେତେଇ ମାଝି

Patra maji

ବନେଇ ଅଥା

୧୪। ମୁହଁ ମାଝି

ଅଥା ଅଥା

୧୫। ମିଛା ମାଝି

ଲଞ୍ଜିକାନ୍ତି ନିମ୍ବୁକ

୧୬। ଲୁଗାବେଶ ମାଝି

୧୭। ଦିଆଇ ମାଝି

୧୮। ମାଉଛି ମାଝି

୧୯। ମୁନି ମାଝି

୨୦। ମୁହଁ ମାଝି

୧୮। ଝାମ୍ପା ନା ଗାଡ଼ି
ଦୁଇ ଦିନ ଟା ୪୫-୫୫

୧୯। ମାମୁଁ ଟା ଟା
୧୫ ଟା ଟା

୨୦। ମାମୁଁ ମାମୁଁ

୨୧। କୁଳୁମ୍ ମାମୁଁ

୨୨। କୁଳୁ ମାମୁଁ

୨୩। କୁଳୁ ମାମୁଁ

୨୪। କୁଳୁ ମାମୁଁ

୨୫। କୁଳୁ ମାମୁଁ

୨୬। କୁଳୁ ମାମୁଁ

୨୭। କୁଳୁ ମାମୁଁ

1. લા. રૂપાણી ગાદી

2. લા. બાણી ગાદી

3. લા. રૂપાણી ગાદી

Bhaguraja Garadu

4. લા. રૂપાણી ગાદી

5. લા. રૂપાણી ગાદી

6. લા. રૂપાણી ગાદી

7. લા. રૂપાણી ગાદી

8. લા. રૂપાણી ગાદી

9. લા. રૂપાણી ગાદી

10. લા. રૂપાણી ગાદી

ମା ଦାସୀଙ୍କ ମାରି
Kangari Narek

ମା ଭୁବି ମାରି

ମା ଭିଲି ମାରି

ମା ଜଗତି ମାରି

ମା ଲାଲେମେ ମାରି

SUCENI TAKRI

ମା ଭର ମାରି

ସିକାୟତ ଠାରି

ମା ଶେଷି ମାରି

କୃତ ବାହାମା

ମା ଗୁରୁତ ମାରି

୮୩ ଗୁଡୁଲ୍ ଗାନ୍ଧି

୮୩ ଲୁକ୍କା ଗାନ୍ଧି

୮୩ ଗୁଲ୍ ଗାନ୍ଧି

୮୩ ଲୁକ୍କା ଗାନ୍ଧି

୮୩ ଗୁଲ୍ ଗାନ୍ଧି

୮୩ ଗୁଲ୍ ଗାନ୍ଧି

୮୩ ଗୁଲ୍ ଗାନ୍ଧି

୧୮୩। ଶ୍ରୀମତୀ ଲକ୍ଷ୍ମୀ ମାତା

୧୮୩। ଦିବ୍ୟାତା ମାତା

ଲକ୍ଷ୍ମୀଙ୍କ ଶ୍ରୀମତୀ

୧୮୩। ମାତା ମାତା ମାତା

୧୮୩। କୁଳେ ମାତା

୧୮୩। ଲାଲିତା ମାତା

୧୮୩। ଶ୍ରୀମତୀ ମାତା

୧୮୩। ଦ୍ରାଘ୍ୟାତା ମାତା

୧୮୩। ବାଳିକା ମାତା

ମାୟା ଶାସ୍ତ୍ର ଗାଥା

ଶ୍ରୀମତୀ ସାମୁ

ମାୟା କୁମାର ଗାଥା

ମାୟା ଶାସ୍ତ୍ର ଗାଥା

ମାୟା ଶାସ୍ତ୍ର ଗାଥା

ମାୟା ଶାସ୍ତ୍ର ଗାଥା

ମାୟା ଶାସ୍ତ୍ର ଗାଥା

ମାୟା ଶାସ୍ତ୍ର ଗାଥା

ମାୟା ଶାସ୍ତ୍ର ଗାଥା



୧୩

ପ୍ରାୟତଃ ମାହି



୧୩

ହସ୍ତକ୍ଷେପ ମାହି



୧୩

ସୋପ ମାହି



୧୩

ଗୋଟା ଘେନି ମାହି



୧୩

ଆକେଇ ମାହି



୧୩

ଦ୍ରାଘି ମାହି



୧୩

କାପଟେ ମାହି

ମା. ଶ୍ରୀ ୧୫୧୨ ମା. ଶ୍ରୀ

ମା. ଶ୍ରୀ ୧୫୧୩ ମା. ଶ୍ରୀ

ମା. ଶ୍ରୀ ୧୫୧୪ ମା. ଶ୍ରୀ

ମା. ଶ୍ରୀ ୧୫୧୫ ମା. ଶ୍ରୀ

ମା. ଶ୍ରୀ ୧୫୧୬ ମା. ଶ୍ରୀ

ମା. ଶ୍ରୀ ୧୫୧୭ ମା. ଶ୍ରୀ

ମା. ଶ୍ରୀ ୧୫୧୮ ମା. ଶ୍ରୀ

ମା. ଶ୍ରୀ ୧୫୧୯ ମା. ଶ୍ରୀ

ମା. ଶ୍ରୀ ୧୫୨୦ ମା. ଶ୍ରୀ

ମା. ଶ୍ରୀ ୧୫୨୧ ମା. ଶ୍ରୀ

ମା ଧନ୍ୟ ମାରି

ମା କ୍ଷମା ପାଞ୍ଚୁ ଧନ୍ୟ ମାରି,

ମା ମୁନାଟ ମାରି

ମା ଭଜା ଶୁଣ ମାରି

ମା ମୁନ ମାରି

ମା ଭୁଲିନି ମାରି

ମା ମାମା ମାରି

ମା ମାମା ମାରି

୧୩। ଛେଲିକ ମାଟି

୧୩। ଲୁହମ ଗଢ଼ି ମାଟି

୧୩। ଗୁଲଟି ମାଟି

୧୩। ଗୁଡ଼ାଟି ମାଟି

୧୩। ଦିଶାଟି ମାଟି

୧୩। ଛମାଟି ଗୁଡ଼ି ମାଟି

୧୩। ଛଳମ ମାଟି

୧୩। ଭେଷ୍ଟି ମାଟି

୧୪। ବିଲୁଭେର ମାଟି

୧୫। ତ୍ରିମୁଳି ମାଟି

୧୬। ଦିଞ୍ଜି ମାଟି

୧୭। ମୁଦଗେ ମାଟି

୧୮। ଲମ୍ବାଟି ଲେଉଟ ମାଟି

୧୯। ମୁଞ୍ଜି ମାଟି

୨୦। ତଦାତି ମାଟି

LT1 ମାଲୁକି ମାଡ଼ି

LT1 ମଦରୀ ମାଡ଼ି

LT1 ସୁନଞ୍ଜ ମାଡ଼ି

LT1 ଡାକିଗେ ମାଡ଼ି

LT1 ମାଲୁଗେ ମାଡ଼ି

LT1 ହିଲେଖେ ମାଡ଼ି

LT1 ନିନା ଯେଉଁ ମାଡ଼ି

ମା। ଏମିତି କଲେ ଚାଲି

ମା। କୁହୁଲ ମାରି

ମା। ଆମିଶି କଲେ


ମା। ମାତାକଲେ ଚାଲି

ମା। ହିଆରି ମାରି


ମା। କଲେ ମାରି

ମା। ହାତ କଲେ ମାରି


ମା।


11.  11. ଶରଦ ଗାନ୍ଧି

ସ୍ମୃତି ସାକ୍ଷୀ

 12. ବୃଷଭା ଗାନ୍ଧି


ସ୍ମୃତି ସାକ୍ଷୀ

 13. କାନ୍ତ ଗାନ୍ଧି

 14. ପୁରୁଷ ଗାନ୍ଧି

 15. ସତ୍ୟ ଗାନ୍ଧି

ସ୍ମୃତି ସାକ୍ଷୀ

 16. କାନ୍ତ ଗାନ୍ଧି

 17. ଶରଦ ଗାନ୍ଧି

ਪਾ। ਹੋਯਾ ਪ੍ਰਕ੍ਰਿਤੀ ਗਾਇ,

ਪਾ। ਕਰਮਨਾ ਗਾਇ

ਪਾ। ਗਾਯਨ ਗਾਇ

ਗਾਇਨ ਗਾਇ

ਪਾ। ਕਾਨ੍ਹ ਗਾਇ

ENGLISH TRANSLATION OF GRAMA SABHA RESOLUTION

Village: Panchali, Block: Kasipur, Dist: Rayagada

Today dated 28.06.11 a Gram Sabha was organized at Puja Mandap of Sankarda at 11.00 A.M. which was presided over by Sri Abhiram Majhi, Gram Panchayat Sarapanch. All villagers, Ward Member of the village, Sri Satya Sundar Sahu and Sri Tapan kumar Jena - representative of the Company and other members were present in the meeting. Requirement of land in the Category of Forest kissam for water pipe line was discussed in this meeting. Government (Forest Category) Land Khata No 255, plot No-1630, Ac.0.18 is required of our village. As per Government rules/laws permission has to be sought from Central Government for using these lands for non-forest use. Therefore we the undersigned villagers wanted to bring it to the notice of Government that there is no right, title and interest of any Scheduled Tribe, Scheduled Caste or General Category of people in those land as per Forest Rights Act 2006. We do not have any kind of objection over these Forest Land if the Government accords permission to lease out and/or give to the Aditya Aluminium (HINDALCO) company for pipe line. Thus all the villagers have given consent for the same.

Sd/- Abiram Majhi
Sarpancha of Sankarada G.P.

Sd/- B.D.O. Kasipur

Sd/- Tapan Ku. Sahu, Aditya Aluminium

Sd/- Satya Sundar Sahu, Aditya Aluminium

English version attested
29/6/11
BLOCK DEVELOPMENT OFFICER
KASHIPUR

Counter signed

Divisional Forest Officer
Rayagada Division

Village Name	Sl.No	Name
Panchali	1	Sd/- SUNITA MAJHI
	2	Sd/- PILO MAJHI
	3	LTI UDHABA MAJHI
	4	Sd/- PATRO MAJHI
	5	Sd/- KHUBESWAR MAJHI
	6	SRISIRA MAJHI
	7	LTI OF AMINA MAJHI
	8	LTI OF PULU MAJHI
	9	LTI OF RABI MAJHI
	10	LIT OF SIBA MAJHI
	11	LTI OF RAMA MAJHI
	12	LTI OF SOBHA MAJHI
	13	SD/-RANJI MAJHI
	14	LTI OF LALU MAJHI
	15	LTI OF ANTA MAJHI
	16	LAXMAN MAJHI
	17	SUMITRA MANDANGI
	18	SD/- OFJOTTU GOUDA
	19	PRAMESWAR TAKRI
	20	SD/- OF SIRANDRA KHARA
	21	LTI OF BARABATTI GORODA
	22	LTI OF SASWEADAMBARO TANKIRI
	23	LTI OF RAMESH TAKRI
	24	SD/- OF KAILASH HALABA
	25	SD/- OF PADDE MAJHI
	26	SD/- OF PRAMESH CH. TAKRI
	27	SD/- OFPADAGA GARADA
	28	SD/- OF SUBASH MAJHI
	29	LTI OF KITRI MAJHI
	30	LTI OF AMFISAR MAJHI
	31	SD/- OF C HANDRABATI TAKRI
	32	LTI OF BISAKA KHARA
	33	LTI OF SANMANI TAKRI
	34	LTI OF KUTA MAJHI
	35	SD/- OF DASARATH MAJHI
	36	SD/- OF PUMA MAJHI
	37	LTI OF MASI MAJHI
	38	LTI OF ANNI MAJHI
	39	SD/- OF CHENDIA MAJHI
	40	LTI OF NIBEDANI HALUA
	41	LTI OF NARAJA TAKRI
	42	LTI OF KANCHAN GAROD-

- 43 LTI OF TILATAMA HALUA
44 LTI OF MAYINA TAKRI
45 LTI OF KUNI TAKRI
46 LTI OF SAKUNTALA TAKRI
47 LTI OF SRIMANI HALUA
48 LTI OF PRAFULA HALUA
49 LTI OF SAKUNTALA GARADA
50 LTI OF RAMANI RANI NAYAK
51 LTI OF BAJUKTA TAKRI
52 LTI OF SANDYA RANI HALUA
53 LTI OF BHIMIKA NAYUKO
54 LTI OF CHANDRABATI TAKRI
55 LTI OF KESANDYA GARADA
56 SD/-PRAMITA GARADA
57 LTI OF PRABHASINI KHARA
58 LTI OF SARA NAYAK
59 LTI OF BHUKULU HALUA
60 LTI OF NARINGI NAYAK
61 LTI OF MULLA HALUA
62 SD/- OF UMABATI GARADA
63 LTI OF KAMINI GARADA
64 LTI OF MAHUKANDA PANI
65 LTI OF MILOKA TAKRI
66 LTI OF SULAU DEBI MAJHI
67 SD/- OF JANARDHAN NAYAK
68 LTI OF PITA MAHAL TAKRI
69 LTI OF PAYALO MAJHI
70 LTI OF PENGULI MAJHI
71 LTI OF NISAMANI HALUA
72 LTI OF JAGIRI KHARA
73 LTI OF MATA MANI TAKRI
74 SD/- OF SITA RAM KHARA
75 LTI OF SUNA DEBI BANGI
76 LTI OF SUREKHA HALUA
77 LTI OF SALAI MAJHI
78 SD/- OF AKSHYA KHARA
79 LTI OF MUYODEBI MAJHI
80 SD/- OF BISWAJIT KHARA
81 LTI OF SOTTAI MAJHI
82 SD/- OF TILACHANA KHARA
83 LTI OF NADI MAJHI
84 LTI OF CHIMATI MAJHI
85 LTI OF DULAM MAJHI
86 SD/- OF GIRIDHAR KHARA

- 87 LTI OF LACHI MAJHI
- 88 LTI OF KANTA KHARA
- 89 LTI OF ALMANI KHORA
- 90 LTI OF SURACHANA GARADA
- 91 SD/- OF SUSNAT KHARA
- 92 LTI OF RUPANI GARADA
- 93 LTI OF HEMANT KHARA
- 94 LTI OF BADANTA KHARA
- 95 SD/- OF RENUKA KHARA
- 96 LTI OF DINAMANI KHARA
- 97 LTI OF NARADA TAKRI
- 98 SD/- OF CHITA KHARA
- 99 LTI OF JABABATI GARADA
- 100 LTI OF JANI HALUA
- 101 SD/- JINTENDRA KHARA
- 102 LTI OF BIVEK GARADA
- 103 LTI OF KAMALINI BENIA
- 104 SD/- OF KARNA KHARA
- 105 LTI OF JABABATI KHARA
- 106 LTI OF JEMA MANI KHARA
- 107 SD/- OF PRABHATA KHARA
- 108 LTI OF BAJANDI HALUA
- 109 LTI OF KWAREN KHARA
- 110 SD/- OF SUBRATA NAYAK
- 111 LTI OF LELANI KHARA
- 112 LTI OF MOBENI MAJHI
- 113 LTI OF MATEN HALUA
- 114 SD/- OF MONOJ HALUA
- 115 LTI OF MUKTA MANI TAKRI
- 116 LTI OF INDRA MAJHI
- 117 SD/- OF PRABHUDANI NAYAK
- 118 LTI OF SAREN GARADA
- 119 LTI OF SITARAM MAJHI
- 120 SD/- OF BHAGI RUPI HALUA
- 121 LTI OF ARALU MAJHI
- 122 LTI OF CHANDRAMA KHARA
- 123 SD/- OF JALANDAR HALUA
- 124 LTI OF LALAPATA MAJHI
- 125 LTI OF GARA MATI TAKRI
- 126 SD/- OF PUSPALATA NAYAK
- 127 LTI OF GABHARI KHARA
- 128 LTI OF SANAMANI TAKRI
- 129 SD/- BIJAYA TAKRI
- 130 LTI OF SAMAJ TAKRI

- 131 LTI OF BHARATI NAYAK
- 132 LTI OF SARAJINI TAKRI
- 133 SD/- SATYA DAMA GARADA
- 134 LTI OF BHANUMATI NAYAK
- 135 LTI OF PANABATI TAKRI
- 136 SD/- OF SABATI TAKRI
- 137 LTI OF RAITO KHARA
- 138 LTI OF LALITA GARADA
- 139 LTI OF ANJINI GARADA
- 140 LTI OF KHADARIMATI TAKRI
- 141 SD/- OF BASANT MANAK
- 142 LTI OF SURYAMATI KHARA
- 143 LTI OF SRIMATI KHARA
- 144 SD/-JAMBEBA KHARA
- 145 LTI OF KAJILI KHARA
- 146 LTI OF SUBASINI TAKRI
- 147 LTI OF SARASA NAYAK
- 148 LTI OF SRIMATI NAYAK
- 149 LTI OF KAMASULA KHARA
- 150 LTI OF BHABI TAKRI
- 151 LTI OF PADMASATI GARADA
- 152 SD/-KISORA TAKRI
- 153 LTI OF BUDHUBA GARADA
- 154 LTI OF RAHIBA GARADA
- 155 RAJAN KUMAR TAKRI
- 156 LTI OF DINAMANI GARADA
- 157 SD/-AMIT KHARA
- 158 LTI OF JALADEB GARADA
- 159 BHAKTA GARADA
- 160 LTI OF ULASA TAKRI
- 161 LTI OF RAJAME MAJHI
- 162 LTI OF GAGAREN TAKRI
- 163 SD/-SANGITA TAKRI
- 164 LTI OF MONIKA TAKRI
- 165 LTI OF ANAPURNA KHARA
- 166 LTI OF AJALI DEBI KHARA
- 167 LTI OF PHULANTI BIDIKA
- 168 LTI OF KARUNA KHARA
- 169 LTI OF MANJURI TAPAN
- 170 SD/-SAJIT GARADA
- 171 LTI OF USABATI GARADA
- 172 LTI OF JAYANTI KHARA
- 173 LTI OF ASWA MAJHI
- 174 SD/-BRAJORA GARADA

- 175 LTI OF BATAKA MAJHI
- 176 SD/-PRADIPA HALUA
- 177 LTI OF NARASI MAJHI
- 178 LTI OF LAKHU MAJHI
- 179 LTI OF CHENDIA MAJHI
- 180 SD/-NILAMRALA HALUA
- 181 LTI OF BHADHAB MAJHI
- 182 LTI OF HIRA MAJHI
- 183 LTI OF NILAKANDA MAJHI
- 184 LTI OF BHAGI MAJHI
- 185 SD/-LTI OF JAYA MAJHI
- 186 SD/-BIRANEHI TAKRI
- 187 LTI OF JADOBO MAJHI
- 188 SD/- OF ASOKA HALUA
- 189 LTI OF PRABI MAJHI
- 190 LTI OF LOBO MAJHI
- 191 LTI OF SOBARI MAJHI
- 192 LTI OF BHOGI MAJHI
- 193 SD/- OF PRALADHA KUMAR GARADA
- 194 LTI OF GURA MAJHI
- 195 SD/- RAJU RAM TAKRI
- 196 LTI OF JONU MAJHI
- 197 LTI OF HARABATI KHARA
- 198 LTI OF BHANUMATI KHARA
- 199 SD/- SANJAY TAKRI
- 200 LTI OF KANTRI KHARA
- 201 SD/- OF PRAFULO GARADA
- 202 LTI OF ABANTI HALUA
- 203 LTI OF KAYA MAJHI
- 204 LTI OF SITTMEY ROHORA
- 205 LTI OF RANJITA MAJHI
- 206 LTI OF SRADHA DEBI ROHORA
- 207 LTI OF SURYAMATI KHARA
- 208 SD/- OF SARUPI MAJHI
- 209 LTI OF ANTRABATI MAJHI
- 210 SD/- OF PAILU MAJHI
- 211 LTI OF BIMALA NAYAK
- 212 LTI OF BIMULI MAJHI
- 213 SD/- ANUPU SAHU
- 214 LTI OF SRIMEY MAJHI
- 215 SD/- OF ARUN GRAMA
- 216 LTI OF DEBENDRA KHARA
- 217 LTI OF SITARE MAJHI
- 218 SD/- OF RAJAN MAJHI

- 219 LTI OF LOI ROHORA
- 220 LTI OF LUPALI MAJHI
- 221 SD/- OF KAHU RAJ MAJHI
- 222 LTI OF WALMEDEI MAJHI
- 223 SD/- KIA MAJHI
- 224 LTI OF TIKAM MAJHI
- 225 SD/- KUBHA MAJHI
- 226 LTI OF KANAI MAJHI
- 227 LTI OF PAINKI MAJHI
- 228 SD/- OF UTA MAJHI
- 229 LTI OF SAPARO MAJHI
- 230 LTI OF PUSPOKANTI MAJHI
- 231 SD/- OF KARI MAJHI
- 232 LTI OF ROTANTABATI MAJHI
- 233 LTI OF KARORI DEBI MAJHI
- 234 SD/- OF NARASING MAJHI
- 235 LTI OF BHASOME MAJHI
- 236 SD/- OF SIMA MAJHI
- 237 LTI OF NIROKANTA MAJHI
- 238 SD/- OF BHABE MAJHI
- 239 LTI OF KORONTRI MAJHI
- 240 LTI OF SONDARI MAJHI
- 241 SD/- OF KETHAN MAJHI
- 242 LTI OF BRUSI MAJHI
- 243 LTI OF HIRA MAJHI
- 244 SD/- OF TUMBHI MAJHI
- 245 LTI OF HAROSO MAJHI
- 246 LTI OF SIRARI MAJHI
- 247 SD/- OF SADA MAJHI
- 248 LTI OF SOKORO MAJHI
- 249 SD/- OF BADHU MAJHI
- 250 LTI OF BAYOSI DEBI MAJHI
- 251 LTI OF SICHME MAJHI
- 252 LTI OF SULME MAJHI
- 253 LTI OF MUNI MAJHI
- 254 SD/- OF SILI MAJHI
- 255 LTI OF SURYA MAJHI
- 256 LTI OF SAUNLI MAJHI
- 257 LTI OF RAMI MAJHI
- 258 SD/- OF ABHI MAJHI
- 259 LTI OF SUMITRA MANDANGI
- 260 LTI OF ALUA MAJHI
- 261 SD/- OF ARTA MAJHI
- 262 LTI OF DIBAI MAJHI

263 LTI OF SABHATA MAJHI
264 SD/- OF JOCHA MAJHI
265 LTI OF SELE MAJHI
266 SD/- OF KUMARO MAJHI
267 LTI OF PARONGO MAJHI
268 LTI OF SANJITA GUATIA
269 LTI OF RUPARI MAJHI
270 LTI OF PARONGI MAJHI
271 SD/- OF ROJON TAKRI
272 LTI OF JHADO MAJHI
273 SD/- OF PRAMOBATI TAKRI
274 LTI OF SOKORO MAJHI
275 LTI OF SIYARI MAJHI
276 SD/- OF KUMARI TAKRI
277 LTI OF SABHOTA MAJHI
278 SD/- OF RUSBHA MAJHI
279 LTI OF RUPARI MAJHI
280 LTI OF SITTMAY MAJHI
281 LTI OF PUSPABATI MAJHI
282 SD/- OF NOBOKUMARI GARADA
283 LTI OF HIRA MAJHI
284 RAJESH KUMAR GARADA
285 LTI OF KUSUMEY MAJHI
286 LTI OF TILAIDEI MAJHI
287 SD/- OF MODONA TAKRI
288 LTI OF KOROBATI MAJHI
289 SD/- OF BHAJUNA KUMAR SOBHOOD
290 LTI OF BALOSI DEBI MAJHI
291 SD/- OF BIJAYO KUMAR PATRI
292 LTI OF RAMI MAJHI
293 SD/- OF MUKTI KANT KARA
294 LTI OF PARONGO MAJHI
295 LTI OF TELE MAJHI
296 SD/- OF PATRA MAJHI
297 SD/- OF NAMELI KHARA
298 LTI OF SULOME MAJHI
299 SD/- OF PRABHATI KHARA
300 LTI OF SITA MAJHI
301 SD/- OF LAXMI KANT NAYAK
302 LTI OF HEMABATI MAJHI
303 LTI OF DIPARI MAJHI
304 LTI OF SAULI MAJHI
305 LTI OF MUNI MAJHI
306 LTI OF SURYA MAJHI

307 LTI OF KOALA MAJHI
308 SD/- OF JAGADISH KHARA
309 LTI OF SAMITRA SODANGI
310 SD/- OF ARUN GORADA
311 LTI OF MANEY MAJHI
312 LTI OF KANEI MAJHI
313 LTI OF KANTO MAJHI
314 LTI OF LULA MAJHI
315 SD/- OF PRAHARAJ GARADA
316 LTI OF ALARI MAJHI
317 LTI OF SITARE MAJHI
318 LTI OF RUPARI MAJHI
319 LTI OF BIMBOLA MAJHI
320 LTI OF KABOLA MAJHI
321 LTI OF SONGALI MAJHI
322 SD/- OF BRAJARAJA GARADA
323 LTI OF SIJARI MAJHI
324 SD/- OF DIPAK KUMBAR
325 LTI OF LAL MAJHI
326 SD/- OF BISWESWAR TAKRI
327 LTI OF LACHUM MAJHI
328 LTI OF SATARI MAJHI
329 LTI OF PALONGO MAJHI
330 LTI OF SASARI MAJHI
331 SD/- OF KANSARI NAYAK
332 LTI OF KUNNI MAJHI
333 LTI OF BHOLA MAJHI
334 LTI OF CHIMOTI MAJHI
335 LTI OF AALEMAY MAJHI
336 SD/- OF SUCEN TAKRI
337 LTI OF DELO MAJHI
338 SD/- OF SIKANDAR TAKRI
339 LTI OF BHENDI MAJHI
340 SD/- OF KUNTO HALUA
341 LTI OF GUNDULI MAJHI
342 LTI OF GUTULI MAJHI
343 LTI OF LUKATA DEBI MAJHI
344 LTI OF SULARI DEBI MAJHI
345 LTI OF LOKOM MAHI
346 LTI OF SONEY MAJHI
347 LTI OF DUBI DEBI MAJHI
348 LTI OF SOPARI DEBI MAJHI
349 LTI OF SRIMEY DEBI MAJHI
350 LTI OF DIPAR MAJHI

351 SD/- OF BELALO SEN HALUA
352 LTI OF SANARI MAJHI
353 LTI OF BUNDHE MAJHI
354 LTI OF ANDARI MAJHI
355 LTI OF RUARI MAJHI
356 LTI OF HARS DEBI MAJHI
357 LTI OF BANDOSI MAJHI
358 LTI OF BASURARI MAJHI
359 SD/- OF SUSMA SAHU
360 LTI OF KUMBHARI MAJHI
361 LTI OF SATARI DEBI MAJHI
362 LTI OF TILARI MAJHI
363 LTI OF UTTMEY MAJHI
364 LTI OF SUBHRA MAJHI
365 LTI OF BOYAKI MAJHI
366 LTI OF SODORI MAJHI
367 LTI OF SANDOMEY MAJHI
368 LTI OF BISKUDI MAJHI
369 LTI OF MOYE MAJHI
370 LTI OF SOYA DEBI MAJHI
371 LTI OF AYILO MAJHI
372 LTI OF BHRAMINI MAJHI
373 LTI OF KOPONE MAJHI
374 LTI OF ERAEE MAJHI
375 LTI OF SIMO DEBI MAJHI
376 LTI OF SALA MAJHI
377 LTI OF KUSADI DEBI MAJHI
378 LTI OF LULOME MAJHI
379 LTI OF SARO MAJHI
380 LTI OF PULOMEY JANI
381 LTI OF SALLARI MAJHI
382 LTI OF SOMBHARI MAJHI
383 LTI OF LAKOM MAJHI
384 LTI OF PODDE MAJHI
385 LTI OF DABAR DEBI MAJHI
386 LTI OF SONARI MAJHI
387 LTI OF BHOSABATI MAJHI
388 LTI OF MUNDE MAJHI
389 LTI OF TULOSI MAJHI
390 LTI OF ANDA MAJHI
391 LTI OF SALLARI MAJHI
392 LTI OF TELIKO MAJHI
393 LTI OF LUKOM DEBI MAJHI
394 LTI OF SUNDORI MAJHI

- 395 LTI OF SUARI MAJHI
- 396 LTI OF DIPARI MAJHI
- 397 LTI OF SATMEY MAJHI
- 398 LTI OF KINDOSO MAJHI
- 399 LTI OF BHENDI MAJHI
- 400 LTI OF TILO DEBI MAJHI
- 401 LTI OF TRIMUNDDI MAJHI
- 402 LTI OF BHINJO MAJHI
- 403 LTI OF SUNDDOME MAJHI
- 404 LTI OF LOMARI DEBI MAJHI
- 405 LTI OF SULLO MAJHI
- 406 LTI OF TOBADI MAJHI
- 407 LTI OF NAROKI MAJHI
- 408 LTI OF SODORI MAJHI
- 409 LTI OF SONORI MAJHI
- 410 LTI OF DALOMEY MAJHI
- 411 LTI OF SALOMEY MAJHI
- 412 LTI OF SILLE DEBI MAJHI
- 413 LTI OF NINA DEBI MAJHI
- 414 LTI OF PREMO BATI TAKRI
- 415 LTI OF JHULUKO MAJHI
- 416 LTI OF APSORI GOUDO
- 417 LTI OF SONA DEBI TAKRI
- 418 LTI OF SINGARI MAJHI
- 419 LTI OF KONERI MAJHI
- 420 LTI OF HARA BATI GARADA
- 421 LTI OF BORIDDO MAJHI
- 422 SD/- OF KUTTO MAJHI
- 423 LTI OF LUPONA MAJHI
- 424 SD/- OF KUMARI KALODDI SAHU
- 425 LTI OF KATTI MAJHI
- 426 LTI OF PUROTTI MAJHI
- 427 LTI OF AMIN MAJHI
- 428 SD/- OF LAKORAJ MAJHI
- 429 LTI OF KARONA MAJHI
- 430 LTI OF DOMBHU MAJHI
- 431 LTI OF DHOBULU MAJHI
- 432 LTI OF KOMENA MAJHI
- 433 LTI OF SRIDHAR MAJHI
- 434 SD/- OF MAIYALI MAJHI
- 435 LTI OF BASU MAJHI



1.11.11 * ନିଧି ମାଝି

Sunadhar Jodia



1.11.11 * କାଳିନ୍ଦୀ ମାଝି

Mahendra Ratan Chaudary



1.11.11 * ଶ୍ରୀମତୀ ମାଝି

Tronath Jodia



1.11.11 * ଡାକିନ୍ଦା ମାଝି

କାଲିନ୍ଦୀ ମାଝି



1.11.11 * ରତନ ମାଝି ମାଝି

Ratan Chaudary



1.11.11 * ମାତଳ ମାଝି


Sangha Ratan Chaudary



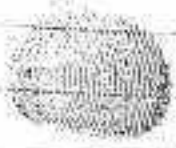
1.11.11 * ସୁଶିଳ ଚନ୍ଦ୍ର ମାଝି


ସୁଶିଳ ଚନ୍ଦ୍ର ମାଝି

 LTT * ରାଜା ମାୟା

 LTT * ଛାଟା ମାୟା


 LTT * ମୁକ୍ତ ମାୟା

 LTT * ପାଟା ମାୟା

 LTT * ଲୁହୁ ମାୟା
Dabo Todia

 LTT * ବାଟା ମାୟା

 LTT * ଲୁହୁ ମାୟା

 LTT * ଛାଟା ମାୟା

 LTT * ଲୁହୁ ମାୟା

କାବି ମାୟା

Kabi Todia

LTI * ଶୁଭ୍ର ମାୟା
 Chukar Mar Jodhpur

LTI * ବିମଳା ମାୟା

LTI * ଶୁଭ୍ର ମହା ମାୟା

LTI * ମୃଗୁ ମାୟା

LTI * କା.ସି. ଶ ମାୟା

LTI * ମା.ବିହାରୀ ମାୟା

LTI * ଶ୍ରୀ.ସି.ଶ୍ରୀ ମାୟା
 Narendra Jodhpur

LTI * ମୁକୁନ୍ଦ ମାୟା

ପ୍ରଭାକର ଡାକ୍ତର



LTA * લાલજી ગાદો

કર્તી ભૂય જડા



LTA * વલ્લભ ગાદો



LTA * તિલુ ગાદો

જાનકી જોડે કા



LTA * મુનિભાઈ ગાદો



LTA * જુવ ભાઈ ગાદો



LTA * ગાંધી ગાદો



LTA * ગીતા ગાદો

જોડાઈ રહેલા



LTA * વલ્લભ ગાદો



LTA * વલ્લભ ગાદો

Jubara Majha

ब्रह्मरूप श्रीगुरु

गुरुगुरु श्रीगुरु

श्रीगुरु श्रीगुरु श्रीगुरु

ENGLISH TRANSLATION OF GRAMA SHABHA RESOLUTION

Village-Kansariguda, Block-Kasipur, Dt. Rayagada

Today Gramasabha was conducted on 27.06.11 at the centre corridor of the village-Kansariguda under the presidentship of the Sarpanch Sri Abhiram Majhi about 10.40 A.M. The ward member of the village along with villagers and the representative of Aditya aluminium Co. Sri Satya Sunder Sahu & Tapan Kumar Jena attended the meeting. It was discussed in the meeting about the requirement of Govt Forest land for Aditya Aluminium Refinery for Water Pipe Line corridor. The requirement of Govt Plots of our village for Aditya Aluminium refinery for water line corridor vide Khata No 28, Plot No-170 (area 0.02 acres) and plot No 231 (area 0.35 acres) whose total area is A.0.37 acres were discussed in the meeting. It was known that in accordance with Govt. Law, the approval of central Govt. is required for the use the land as non forest land.

Hence we the undersigned villagers wanted to intimate the Govt. that there no right, title, and interest of any scheduled tribes, scheduled caste or general category or any other forest dweller of this village on the above stated plots as per the forest Right Act of 2006 and we do give our consent that we did not have any objection or claim if that plots are give to Aditya Aluminium for pipe line corridor purpose by the Govt. Lastly the meeting ended after giving vote of thanks to the President.

ABHIRAM MAJHI

SarPanch of Sankarada G.P

Sd/- B.D.O. Kasipur

Sd/- Satya sundar Sahu, Aditya Aluminium

Sd/- Tapan Ku. Jena, Aditya Aluminium

English Version
attested

29/6/11

BLOCK DEVELOPMENT OFFICER
KASIPUR

Countersigned

24/7
Divisional Forest Officer
Rayagada Division

Name of villager	Sl. No	Name
Kansarguda	1	Sd/ PHULO MATI MAJHI
	2	Sd/ SOKORONDHO MAJHI
Pipe line	3	LTI OF BATASI MAJHI
	4	Sd/ ARUJUN MAJHI
	5	Sd/ BAGARATI MAJHI
	6	LTI OF PAGA MAJHI
	7	LTI OF DEBA MAJHI
	8	LTI OF CHILIA MAJHI
	9	Sd/ KONTARU MAJHI
	10	LTI OF LABA MAJHI
	11	Sd/ HARI MAJHI
	12	LTI OF MALOTI MAJHI
	13	LTI OF BIKARI MAJHI
	14	Sd/ RAMO MAJHI
	15	LTI OF MULLUKU MAJHI
	16	Sd. ASIRI MAJHI
	17	LTI OF MALIA MAJHI
	18	LTI OF SAKARU MAJHI
	19	Sd/ GONA MAJHI
	20	LTI OF DINA MAJHI
	21	LTI OF NILA MAJHI
	22	LTI OF DAMANA MAJHI
	23	LTI OF BALLOSI MAJHI
	24	LTI OF NANDI MAJHI
	25	Sd/ SUNDHAR JHODIA
	26	LTI OF KALIA MAJHI
	27	Sd/ MAHENDRA RATAN CHOUDHRY
	28	LTI OF HEMO MAJHI
	29	Sd/ TRINATH JHODIA
	30	LTI OF BALIA MAJHI
	31	Sd/ MIRKONTO MAJHI
	32	LTI OF LOKONATH MAJHI
	33	Sd/ AMBIK RATAN CHAUDURY
	34	LTI OF SAYEB MAJHI
	35	Sd/ SANJU RATAN CHAUDURY
	36	LTI OF SUNDHORI DEI MAJHI
	37	Sd/ SUDEB JHODIA
	38	LTI OF RAMO MAJHI
	39	LTI OF CHOMPA MAJHI
	40	LTI OF SUBARNO MAJHI
	41	LTI OF PAGU MAJHI
	42	LTI OF ARJUNO MAJHI
	43	Sd/ DASU JHODIA
	44	LTI OF BAYEG MAJHI
	45	LTI OF LAKHMI MAJHI
	46	LTI OF BASONTO MAJHI
	47	LTI OF ALEMAY MAJHI
	48	Sd/ JULOMANI JAN

49 Sd/ KABI JHODIA
50 LTI OF RARI MAJHI
51 Sd/ CHAKAR DHAR JHODIA
52 LTI OF BIMOLA MAJHI
53 LTI OF PHUL MATI MAJHI
54 LTI OF PURNO MAJHI
55 LTI OF KASAE MAJHI
56 LTI OF SABITRI MAJHI
57 LTI OF RASAE MAJHI
58 Sd/ NARENDRA JHODIA
59 LTI OF SURUJI MAJHI
60 Sd/ PRABHAKAR JANI
61 LTI OF PALANGO MAJHI
62 Sd/ ANIRUDHA JENA
63 LTI OF JODDOBO MAJHI
64 LTI OF NINDU MAJHI
65 Sd/ NOROTAM JHODIA
66 LTI OF SULOMEY MAJHI
67 LTI OF RUPO DEI MAJHI
68 LTI OF SANTI MAJHI
69 LTI OF SONA MAJHI
70 Sd/ GOLLOMA JHODIA
71 LTI OF KAIT MAJHI
72 LTI OF BITU MAJHI
73 Sd/ JUBRA MAJHI
74 Sd/ BHAGIRATHI MAJHI
75 Sd/ MONGULU MAJHI
76 Sd/ BASUPATI JHODIA

[Redacted] କୁସ୍ତୀର

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କାଗଜିଆ

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୧୫। ଭୂମା ଚକ୍ର ଚୁମ୍ବିତ

୧୬। କମଳା ଚୁମ୍ବିତ

୧୭। ନିଳାଚଳ ଚାନ୍ଦି

୧୮। ହିମା ଚକ୍ର ଚୁମ୍ବିତ

୧୯। ଶ୍ୟାମଳ ଚୁମ୍ବିତ

୨୦। ମାୟା ଚୁମ୍ବିତ

୨୧। ଧୂଳି ଚୁମ୍ବିତ

୨୨। ଗମ୍ଭୀର ଚୁମ୍ବିତ

୨୩। ଭୂତାନ୍ତର ଚୁମ୍ବିତ

୨୪। ଅଜିତାନ୍ତର ଚୁମ୍ବିତ

୨୫। ନୀଳାଚଳ ଚୁମ୍ବିତ

୨୬। ହାୟାଳ ଚୁମ୍ବିତ

ENGLISH TRANSLATION OF GRAMA SABHA RESOLUTION

Village: Kindripadar, Block: Kasipur, Dist: Rayagada

Today dated 29.06.11 a Gram Sabha was organized in village street of Kindripadar at 10.00 A.M. which was presided over by Sri. Sudarsana Jhodia, Gram Panchayat Sarapanch. All villagers, Ward Member of the village, Sri Ajit Panigrahi & Sri Satya Sundar Sahu- representative of the Company and other members were present in the meeting. Requirement of land in the Category of Forest kissam for Water Pipe Line and mining activities was discussed in this meeting. Government (Forest Category) Land of Khata no. 17 to an extent of Ac. 0.35 (plot No.26), Ac. 4.94 of reserve forest, so grand Total Area of Land is Ac 5.29 required of our village and as such 21.92 Hectres Land of Kodinga P.R.F. of Rayagada is required for mining activities. As per Government rules/laws permission has to be sought from Central Government for using these lands for non-forest or mining activities. Therefore we the undersigned villagers wanted to bring it to the notice of Government that there is no right, title and interest of any Scheduled Tribe, Scheduled Caste or General Category of people in those land as per Forest Rights Act 2006. We do not have any kind of objection over these Forest Land if the Government accords permission to lease out and/or give to the Aditya Aluminium (HINDALCO) company for Water Pipe Line and/or to the Joint Venture Orissa Mining Corporation, Orissa for mining purpose. Thus all the villagers have given consent for the same.

At last the meeting ended with vote of thanks to all present

Sd/- Sudarshan Jhodia
Sarpancha of Bankamba G.P.

Sd/- B.D.O. Kasipur

Sd/- Ajit kumar Panigrahi, Aditya Aluminium

Sd/- Satya Sundar Sahu, Aditya Aluminium

Counter signat

[Signature]
Divisional Forest Officer
Rayagada Division

Sl. No. of the Kindrapadar	Sl. No.	Name
	1	Sd/- Asu Kumar
	2	LTI of Ramachandra Kumbhar
	3	Sd/- Bhuta Kumar
	4	LTI of Daitan Kumbhar
	5	Sd/- Dam Kumbhar
	6	LTI of Bala Kumbhar
	7	LTI of Karan Kumbhar
	8	Sd/- Jaga Kumbhar
	9	LTI of Kalia Kumbhar
	10	Sd/- Nakul Kumbhar
	11	Sd/- Balaram Kumbhar
	12	Sd/- Madhu Kumbhar
	13	LTI of Trilochan Kumbhar
	14	LTI of Purustam Kumbhar
	15	LTI of Param Kumbhar
	16	LTI of Pita Kumbhar
	17	LTI of Saban Kumbhar
	18	LTI of Mruka Kumbhar
	19	LTI of Dalimbo Kumbhar
	20	LTI of Bhamakari Kumbhar
	21	LTI of Kamali Kumbhar
	22	LTI of Nilayi Majhi
	23	LTI of Tulabati Kumar
	24	LTI of Khyati Kumar
	25	LTI of Makari Kumar
	26	LTI of Padmini Kumar
	27	LTI of Gambi Kumar
	28	LTI of Bhotomadeyi Khar
	29	LTI of Dhajeyi Deyi Kumbhar
	30	LTI of Nirobati Kumar
	31	LTI of Radhakadeyi Kumbhar

ଅନ୍ତରାଳ ଗୁଣବତ୍ତା

ନାମା ଶ୍ରୀ ଶ୍ରୀ

ୱାଟ୍ସ ଇନ୍ଦ୍ରା ଶ୍ରୀ

ୱାଟ୍ସ ଦିୟାମା ଶ୍ରୀ

ୱାଟ୍ସ ହିରାମନ ଶ୍ରୀ

ୱାଟ୍ସ ମାଗାମା ଶ୍ରୀ

ୱାଟ୍ସ ବାସା ଶ୍ରୀ

ୱାଟ୍ସ ଭାକ୍ତା ଶ୍ରୀ

ସ୍ୱର୍ଗାତ୍ମା

ସ୍ୱର୍ଗାତ୍ମା କାନ୍ତେନ

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ଶ୍ରୀ ଶ୍ରୀ

ଶ୍ରୀ ଶ୍ରୀ

ୱାଟ୍ସ ଆରା ଶ୍ରୀ

ୱାଟ୍ସ ମୂଳା ଶ୍ରୀ

ୱାଟ୍ସ କାତ୍ତା ଶ୍ରୀ

ୱାଟ୍ସ ସାବା ଶ୍ରୀ

ୱାଟ୍ସ ସାବା ଶ୍ରୀ

Naam Abohi

ବ୍ରହ୍ମାବଳୀ

Bhine Bhane

(ବ୍ରହ୍ମାବଳୀ)

ସମ୍ପାଦନା

ବ୍ରହ୍ମାବଳୀ

ବ୍ରହ୍ମାବଳୀ

1.4.1 Ghana Bhadra

ସମ୍ପାଦନା

1.4.1 Ghana Bhadra

Rockhite Bhadra

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padman Bhadra

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1.4.1 Ghana Bhadra

SAIBATRA

Pranav ch Adadi;
20/10/2011
21/10/2011

କିମ୍ବଦନ୍ତୀ ରୂପେ ॥

୧୫.୧୧.୧୧ Abhi Bagh

ଶ୍ରୀମତୀ ଦାଦା

Mhane

Bagh

17-4-011

Sabash ch Adadi
Karnal seachon ch dadi

୧୫.୧୧.୧୧ Raju Bagh

୧୫.୧୧.୧୧ ଦାଦା ଶ୍ରୀମତୀ ରୂପେ

୧୫.୧୧.୧୧ ଦୁର୍ଗାବତୀ ରୂପେ

୧୫.୧୧.୧୧ ଶ୍ରୀମତୀ ରୂପେ

ପା

ମାଗା ହୁଅନ୍ତା

ପା

ମୁରଜା ହୁଅନ୍ତା

ପା

ମନସୁନ୍ଦି ହୁଅନ୍ତା

ପା

କମଳା ହୁଅନ୍ତା

ପା

ଭାସା ହୁଅନ୍ତା

ପା

କମଳା ହୁଅନ୍ତା

କୁଳି ହୁଅନ୍ତା

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କାନ୍ତା ହୁଅନ୍ତା

ପା

କୁଳି ହୁଅନ୍ତା

୧୩। ସତ୍ୟ ଚୂଡ଼ିଆ।

୧୩। ଚନ୍ଦ୍ରିକା ଚୂଡ଼ିଆ।

୧୩। ଦୁର୍ଲ୍ଲଭ ସତ୍ୟ ଚୂଡ଼ିଆ।

୧୩। କାଶୀ ସତ୍ୟ ଚୂଡ଼ିଆ।

ଗୁରୁତ୍ବ ଲୁଗା ଚୂଡ଼ିଆ।

୧୩। ମାରି ଚୂଡ଼ିଆ।

୧୩। ମୁକ୍ତ ଚୂଡ଼ିଆ।

୧୩। ମୁକ୍ତ ଚୂଡ଼ିଆ।

୧୩। ମୁକ୍ତ ଚୂଡ଼ିଆ।

୧୩। ଯାଆ ଚୂଡ଼ିଆ।

ନିମ୍ନ କାଗଜ ଲୁଗା

୧୩। ଯାଆ ଚୂଡ଼ିଆ।

୧୩୩ ସୁ ଗଢ଼ିବୁ ଚୁଡ଼ିଆ।

୧୩୪ ଶା ସୁ ଗଢ଼ିବୁ ଚୁଡ଼ିଆ।

୧୩୫ ଶା ସୁ ଗଢ଼ିବୁ ଚୁଡ଼ିଆ।

୧୩୬ ଶା ସୁ ଗଢ଼ିବୁ ଚୁଡ଼ିଆ।

୧୩୭ ଶା ସୁ ଗଢ଼ିବୁ ଚୁଡ଼ିଆ।

୧୩୮ ଶା ସୁ ଗଢ଼ିବୁ ଚୁଡ଼ିଆ।

୧୩୯ ଶା ସୁ ଗଢ଼ିବୁ ଚୁଡ଼ିଆ।

୧୪୦ ଶା ସୁ ଗଢ଼ିବୁ ଚୁଡ଼ିଆ।

୧୪୧ ଶା ସୁ ଗଢ଼ିବୁ ଚୁଡ଼ିଆ।

୧୪୨ ଶା ସୁ ଗଢ଼ିବୁ ଚୁଡ଼ିଆ।

୧୩। ଗଜଗୋବିନ୍ଦା ମୁଦ୍ରା

୧୪। ବ୍ରହ୍ମାଣୀ ଚୂଡ଼ିଆ

୧୫। ସୁଦାସନ ଚୂଡ଼ିଆ

୧୬। ସାମୁଦ୍ର ମୁଦ୍ରା

୧୭। ସୁନା ମଣି ମୁଦ୍ରା

୧୮। ସୁଗ୍ରହ ଚୂଡ଼ିଆ

୧୯। ସାମୁଦ୍ର କମଳା

୨୦। ସୁକଳିତା ପାତ୍ର

୨୧। ପୁରୁଷୋତ୍ତମ ଦାସ

୨୨। ଶ୍ରୀମତୀ କମଳା

୧୩ ଘାସୁ କି ଦାଗ

୧୪ ଚକ୍ରା ଛଟା କାଗ

୧୫ ବୁନା ଲିଙ୍ଗ ଦାଗ

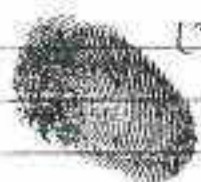
୧୬ ଚକ୍ରା ବାଟ କାଗ

୧୭ ଗୁଣ୍ଡଳିନୀ ଦାଗ

୧୮ ଚକ୍ରା ଗାଈ ଦାଗ

୧୯ ଚକ୍ରା ଗାଈ ଦାଗ

୨୦ ଚକ୍ରା ଗାଈ ଦାଗ



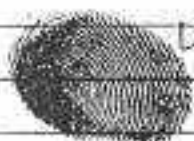
ମା ଝୁନି ବାମି

Dasarati Padia



ମା ମାୟୁରୀ ବାମି

Rajkumari Baga.



ମା ଚନ୍ଦ୍ରାବତୀ ବାମି



ମା ଚନ୍ଦ୍ରାବତୀ ବାମି

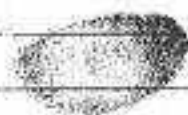


ମା ଚନ୍ଦ୍ରାବତୀ ବାମି



ମା ଚନ୍ଦ୍ରାବତୀ ବାମି

upendra Padia



ମା ଚନ୍ଦ୍ରାବତୀ ବାମି



ମା ଚନ୍ଦ୍ରାବତୀ ବାମି

Babi Padia



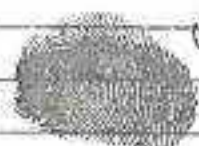
ମା ଚନ୍ଦ୍ରାବତୀ ବାମି



୧୩। ଜ୍ଞାନପ୍ରଦୀପ ଲାଜିଆ ଘାଗ



୧୩। ସୁଧାସୁଧା ଘାଗ



୧୩। ଲାଜିଆ ଘାଗ

Rabindra Chandra



୧୩। ଲାଜିଆ ଘାଗ



୧୩। ଜ୍ଞାନପ୍ରଦୀପ ଘାଗ

Sandhya Chandra



୧୩। ସୁଧାସୁଧା ଘାଗ



୧୩। ଲାଜିଆ ଘାଗ



୧୩। ଲାଜିଆ ଘାଗ

Rabindra Chandra



୧୩। ସୁଧାସୁଧା ଘାଗ



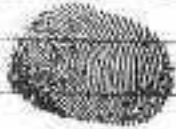
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ଉଦିତା ଦାମ



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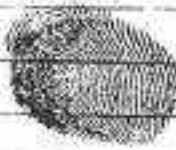
LT1

Barebaram Bahga



ମା ଲେଖି ମଠି କାଗ

Habandra Tal



ମା ଲେଖି ଦାମ



ମା ଶୁଭେନ୍ଦ୍ର ଦାମ



LT1

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ଜିନିଷ ମାଣି



LT1

ଶ୍ରୀ ମନ୍ଦିର ଦାମ



LT1

ବନ ସାନ୍ତ ଦାମ

ଶ୍ରୀ ମନ୍ଦିର

ମହାନ୍ଦ୍ର

ମା ପାଣିକି ଦାମ

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LT1

ମା ଚାନ୍ଦ୍ରମା ବାଗ

Chandra Mani Bhaag

ମା ଧୂଳିଆ ବାଗ

ମା ଧୂଳିଆ ବାଗ

Somama Bhaag

ମା ଚନ୍ଦ୍ର ବାଗ

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Ranjita Bhaag

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ରାଜିତା ସତ୍ୟ ଦାତା

Raj Kumar Barua



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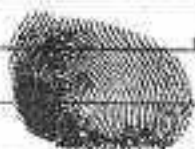
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ବିହାରୀ ବାରିକ

Ananta Barua



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ଅନନ୍ତ ବାରିକ



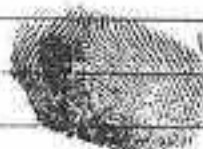
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Ananta Barua



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ବିହାରୀ ବାରିକ

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ବାରବୁର୍ଜ ବାଗ

Barbours Baagha

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ପଦ୍ମାବତୀ ବାଗ

Padmavati Baaghi

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ବୁଦ୍ଧ ବାଗ

Buddha Baaghi

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ମାକ୍‌ସ୍‌ଲ ବାଗ

Maxwell Baagha

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ବର୍ଦ୍ଧମା ବାଗ

Bardhaman Baaghi

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ବୁଦ୍ଧ ବାଗ

Buddha Baaghi

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ବୁଦ୍ଧ ବାଗ

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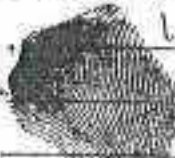
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 ଗୁଣାବ ମାତ୍ର।



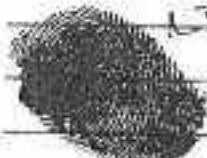
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 ଶ୍ରୀମତୀ ଘୋଷା



171
 ଗୁଣାବ ମାତ୍ର ଘୋଷା



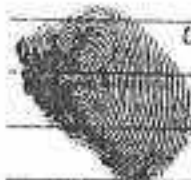
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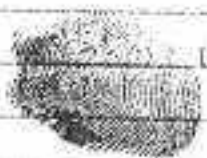
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୧୩୩ ଶୁକ୍ର ନି ଧରା ଦି

ଉତ୍ତର ନାୟକ

୧୩୩ ମାଧବ ଚନ୍ଦ୍ର ଧରା ଦି

୧୩୩ ଶୁକ୍ର ଚନ୍ଦ୍ର ଚିତ୍ରା
କାଳିନୀ ସମ୍ରା

୧୩୩ ଧୀମି ଚିତ୍ରା

ଉତ୍ତର ଚନ୍ଦ୍ର

୧୩୩ ଧୀମି ଚିତ୍ରା

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LT1 ସହାୟତା ଆଦାବି

Sahati Adabi

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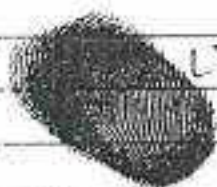
LT1 କରମଚର ଆଦାବି

Karmachar Adabi



LT1 ସନ୍ତୋଷୀ ମଣି ଟୁଟିଆ

Santosh Adabi



LT1 ଟାଣା ଟଣା ଟୁଟିଆ

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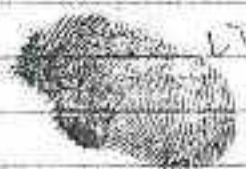
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Ramesh Adabi

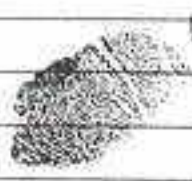


LT1 ସମସ୍ତ ସୁଖ

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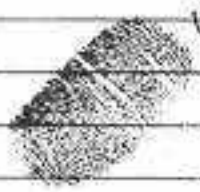
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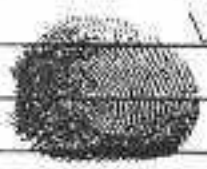
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Bijar Padia



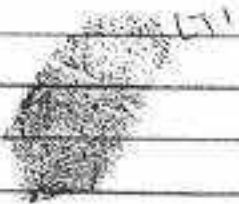
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Rajesh Lada



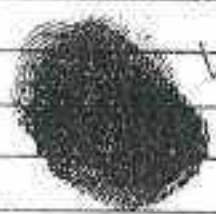
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Dambara Mundari



୧୩୩ ବିପ୍ରନୀ ପାଲ
Biprani Pal

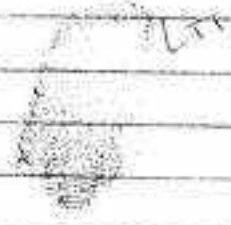


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Jaya Palia



୧୩୩ ଶୁନା ଡା ପୁଡ଼ିଆ
Shuna Da Padia

୧୩୩ ଚନ୍ଦ୍ରା ଚନ୍ଦ୍ରା ଚନ୍ଦ୍ରା



୧୩୩ ବିଜା ପା
Bijar Pa

ରାମେଶ୍ ପ୍ରସାଦ

Ramesh Prasad

ସୁରେଶ ପ୍ରସାଦ

Surish Prasad

କାହ୍ନୁ ମାଣି

ENGLISH TRANSLATION OF GRAMA SHABHA RESOLUTION

Village-Puhndi ,Block-Kasipur,Dt. Rayagada

Today Gramasabha was conducted on 28.06.11 at the centre corridor of the village-Puhundi under the presidentship of the Sarpanch Sri Patidi Majhi about 10.45 A.M.The ward member of the village along with villagers and the representative of Aditya aluminium Co. Sri Tapan Kumar Jena & Sri Satya Sunder Sahu attended the meeting.It was discussed in the meeting about the requirement of Govt Forest land for Aditya Aluminium Refinery for 220 construction of township. The requirement of Govt Plots of our village for Aditya Aluminium refinery for township vide Khata No 389 , Plot No-274 (area 0.18 acres) , plot No708(area 0.10 acres) plot No783(area 0.28 acres) were discussed in the meeting. It was known that in accordance with Govt. Law, the approval of central Govt. is required for the use the land as non forest land.

Hence we the undersigned villagers wanted to intimate the Govt. that there no right, title, and interest of any scheduled tribes , scheduled caste or general category or any other forest dweller of this village on the above stated plots as per the forest Right Act of 2006 and we do give our consent that we did not have any objection or claim if that plots are give to Aditya Aluminium for pipe line corridor purpose by the Govt. Lastly the meeting ended after giving vote of thanks to the President.

PATIDI MAJHI

SarPanch of Padapadi G.P

Sd/- B.D.O. Kasipur

Sd/- Satya sundar Sahu,Aditya Aluminium

Sd/-Tapan Ku. Jena ,Aditya Aluminium

For undersigned
Patidi Majhi
Divisional Forest Officer
Rayagada Division

Name of village	Sl No	Name
Pulund	1	Sd/ ESHWAR BAGHO
	2	LTI OF NILAMBAR ADADI
	3	LTI OF MINIKA MAJHI
	4	Sd/ NORO JHODIA
	5	Sd/ NARANA MAJHI
	6	LTI OF INDIA JHODIA
	7	LTI OF DIYAMATI JHODIA
	8	LTI OF HIRAMANI JHODIA
	9	LTI OF MANGALA MUDULI
	10	LTI OF BISAI JHODIA
	11	LTI OF BHAKATA JHODIA
	12	Sd/ SYAMA ADADI
	13	Sd/ DUNGDM KADAPAN
	14	Sd/ SHANKAR ADADI
	15	Sd/ RULUMO ADADI
	16	Sd/ SOLI MAJHI
	17	LTI OF ALAA MAJHI
	18	LTI OF MUTAI MAJHI
	19	LTI OF KATAI MAJHI
	20	LTI OF SABAI MAJHI
	21	LTI OF SITAME MAJHI
	22	Sd/ ARJUN ADADI
	23	Sd/ BHIMA JHODIA
	24	Sd/ GANGADHAR JANI
	25	Sd/ BHAGIROTTI JHODIA
	26	Sd/ BISHIRELLI
	27	Sd/ KUSO MAJHI (SOBHAPATI)
	28	LTI OF GHONA BHATRA
	29	Sd/ SOHODDEBO ODODE
	30	LTI OF PRAKHITA JHODIA
	31	LTI OF DURBAL KHORA
	32	Sd/ PADMAN BAGH
	33	LTI OF SANADHAR JHODIA
	34	LTI OF KAJLU KAMAR
	35	LTI OF KARTIKA BAGH
	36	Sd/ SUDARSHAN JHODIA
	37	Sd/ SOPRE DAM JHODIA
	38	Sd/ KUBIR JHODIA
	39	Sd/ BABICHANDRA ADADI
	40	Sd/ NILAKANTO KHOSLA
	41	Sd/ AGASTI BAGH
	42	Sd/ SANKAR ADADI
	43	Sd/ DURGABESWAR JHODIA
	44	Sd/ BEEBOL CHHODA

- 46 Sd/ SAI BATIA
- 47 Sd/ BIMMASEN ADADI
- 48 Sd/ AKEDOI KHORA
- 49 Sd/ DHANESWARO JANI
- 50 Sd/ LOMBHODDAR JHODIA
- 51 LTI OF ABHI BAGH
- 52 Sd/ SURENDRA BAGH
- 53 Sd/ NUHANE BAGH
- 54 Sd/ SUBASH CH ADADI
- 55 Sd/ KOMAL LOCHAN ADADI
- 56 LTI OF RAJU MAJHI
- 57 LTI OF DIAA MATI JHUDIA
- 58 LTI OF DRUPO PATI JHUDIA
- 59 LTI OF RAJ KUMARI JHUDIA
- 60 LTI OF DASARI JHUDIA
- 61 LTI OF SOBITA JHUDIA
- 62 LTI OF DOMOYANTI JHUDIA
- 63 LTI OF KOMOLA JHUDIA
- 64 LTI OF RADHA JHUDIA
- 65 LTI OF BHINDU MATI JHUDIA
- 66 Sd/ DULLI JHUDIA
- 67 LTI OF ROHITA JHUDIA
- 68 LTI OF SAI BATI JHUDIA
- 69 LTI OF GURU MATI JHUDIA
- 70 LTI OF BOTTI JHUDIA
- 71 LTI OF CHANDRIKA JHUDIA
- 72 LTI OF PHUL MATI JHUDIA
- 73 LTI OF JARI MATI JHUDIA
- 74 Sd/ PROBhati KUMARI JHODIA
- 75 LTI OF SOLLO JHODIA
- 76 LTI OF SUKURI JHODIA
- 77 LTI OF SUBARNO JHUDIA
- 78 LTI OF RUKUNI JHUDIA
- 79 Sd/ MOMOTA KUMARI JHODIA
- 80 LTI OF PADMABATI JHUDIA
- 81 LTI OF SUDEN JHUDIA
- 82 LTI OF KUKRA JANI
- 83 LTI OF KOMELIN JHUDIA
- 84 LTI OF NILA MANI JANI
- 85 LTI OF CHANDRA BATI JHUDIA
- 86 LTI OF SINARI JHUDIA
- 87 LTI OF SUMONI JHUDIA
- 88 LTI OF CHANDRA BATI JHUDIA
- 89 Sd/ MOMOTA JHUDIA
- 90 LTI OF DIPU JHUDIA
- 91 LTI OF WESTON JHUDIA
- 92 LTI OF JHODIA JHUDIA

93. LTI OF SCRABTI JHODIA
94. LTI OF SANTI MUDDUJI
95. LTI OF SUSILA JHODIA
96. LTI OF SANORI KOMONDA
97. LTI OF SUSOLLO PAL
98. LTI OF PUROBEN BAGH
99. LTI OF CHOMPHA KOMARO
100. LTI OF RADHIKA BAGH
101. LTI OF PADMABATI BAGH
102. LTI OF MUNA DEI BAGH
103. LTI OF TOLLA BATI KOMARO
104. LTI OF SOROJINI BAGH
105. LTI OF DOI MATI BAGH
106. LTI OF DULLOMA BAGH
107. LTI OF DHUTIKA BAGH
108. LTI OF KUNTI PALO
109. Sd/ DASARATI JHODIA
110. LTI OF MOGUELU BAGH
111. Sd/ RAJ KUMARI BAGH
112. LTI OF DEBAKI BAGH
113. LTI OF KHULLONA BAGH
114. LTI OF CHOMPHA BAGH
115. LTI OF KESSOLYA TAKRI
116. Sd/ UPENDRA JHODIA
117. LTI OF KUNI TAKRI
118. LTI OF KONDHENO TAKRI
119. Sd/ BABI JHODIA
120. LTI OF MOTHULA BAGH
121. LTI OF SRIMATI REBIKA BAGH
122. LTI OF SARASWATI BAGH
123. LTI OF ALLEME MAHI
124. Sd/ RABINDRA JHODIA
125. LTI OF GIREN DEI DAMO
126. LTI OF TARO MANNI BHATIA
127. Sd/ SRIDHAR JHODIA
128. LTI OF GAGAN DEI BHATIA
129. LTI OF ANJANA TAKRI
130. LTI OF ATRI BAGH
131. Sd/ BOLOBHADRA BAGH
132. LTI OF SUBASINI TAKRI
133. LTI OF RAJITA BAGH
134. LTI OF SURYA MANI BAGH
135. LTI OF SEREBSANI BAGH
136. LTI OF ADILO MANI BAGH
137. Sd. RAJENDRA PAL
138. LTI OF ANJALI BAGH
139. LTI OF LITIA KETULI STEI

- 140 LTI OF SUTIKA KHOSLA
- 141 LTI OF TELARI MAJHI
- 142 LTI OF RAMO DEI BAGH
- 143 LTI OF BONOMALLI BHATRA
- 144 LTI OF GURUMONNI KHOSLA
- 145 LTI OF PANDIRI KHORA
- 146 LTI OF BOSONTI BHATRA
- 147 LTI OF CHANDRAMA BAGH
- 148 Sd/ DANESWAR TAKRI
- 149 LTI OF KULLASINI BAGH
- 150 LTI OF KRUPA BATI BAGH
- 151 Sd/ SUNAMA SAMLI
- 152 LTI OF TULLA BHATRA
- 153 LTI OF CHANDRAKALLA KHORA
- 154 LTI OF GHASEN BAGH
- 155 Sd/ KOMOLA MAJHI
- 156 LTI OF PRAMILLA BAGH
- 157 LTI OF OLLEKH MANI BHATRA
- 158 Sd/ RANJITA BHATRA
- 159 LTI OF PREM MANI KHORA
- 160 LTI OF GAMIYE MANNI BAGH
- 161 Sd/ RAJ KUMAR BHATRA
- 162 LTI OF BHAGYO BATI KHORA
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- 164 Sd/ AMBO BHATRA
- 165 LTI OF CHANDRAMA BAGH
- 166 LTI OF ALLOSINA BAGH
- 167 LTI OF MONOLLOMA BHATRA
- 168 Sd/ SUBASH BHATRA
- 169 LTI OF SOKORA BATI BAGH
- 170 LTI OF KUSUMA KHORA
- 171 LTI OF JANOKI KHORA
- 172 LTI OF SAND SUNAMI KHORA
- 173 Sd/ USHA BATI KHORA
- 174 LTI OF BHOMA KHORA
- 175 LTI OF BHUMEL BAGH
- 176 LTI OF SUKRI KHORA
- 177 LTI OF PRAMILLA KHORA
- 178 LTI OF PONKOJINI BAGH
- 179 LTI OF MOKTA BAGH
- 180 LTI OF SALLO BANI KANDHAPANI
- 181 LTI OF KALLIMANI KHOSLA
- 182 LTI OF SOBITA KHORA
- 183 LTI OF GOIRANGA KHORA
- 184 Sd/ BUSTABA BAGH
- 185 LTI OF ... BAGH

187 LTI OF BHUBONI ADADI
188 Sd/ SURETH BAGR
189 LTI OF KOMOLA KHORA
190 Sd/ MAHENDRA BAGH
191 LTI OF CHANDA ADADI
192 Sd/ HARISH BHATRI
193 LTI OF RAJONI ADADI
194 Sd/ YEKADASSI KHORA
195 LTI OF SUNA MANI ADADI
196 LTI OF CHANDRAMA PINDI
197 LTI OF CHAMPHA NAYAK
198 Sd/ PRATAP KHORA
199 LTI OF GOURI ADADI
200 Sd/ RAMESH ADADI
201 LTI OF SONTOSINI ADADI
202 LTI OF TOBHA BATI KHORA
203 LTI OF HARA BATI ADADI
204 LTI OF SANJUKTA ADADI
205 LTI OF JANOKI ADADI
206 LTI OF KURUNNA BAGH
207 LTI OF SABITRI PINDI
208 LTI OF CHANDRAMA ADADI
209 LTI OF SUKUNI ADADI
210 Sd/ URBASI NAYAK
211 LTI OF PAROBATI ADADI
212 LTI OF BHUGULLI JHODIA
213 Sd/ KASINATH KHORA
214 LTI OF AAMI JHODIA
215 Sd/ ROJONI JHODIA
216 LTI OF RADHA MUDDULI
217 LTI OF PARI JHODIA
218 LTI OF HIRA MANI MUDDULI
219 LTI OF JOSSODA ADADI
220 LTI OF PADMABATI ADADI
221 Sd/ SABATI NAYAK
222 LTI OF TANGILLI MUDDULI
223 Sd/ KAMALO CHAN ADADI
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226 LTI OF TARA BATI JHODIA
227 Sd/ GUPTA ADADI
228 LTI OF DAMONTI MUDDULI
229 Sd/ RAMESH ADADI
230 LTI OF BOROSSO JHODIA
231 Sd/ SHAKARI ADADI
232 LTI OF SATTAL MUDDULI
233 LTI OF GETTA ADADI

234 Sd/ JANA MAJHI
235 LTI OF SORABTI JHODIA
236 Sd/ RAJESH LEDA
237 LTI OF DOMONNI JHODIA
238 Sd/ SANBARA MUDARI
239 LTI OF DRUPATI JANI
240 Sd/ BIPINI PAL
241 LTI OF KUDDI JHODIA
242 Sd/ JAYA JHODIA
243 LTI OF SUNATA JHODIA
244 Sd/ JAGESWARO BEDIA
245 LTI OF CHANCHOLA JHODIA
246 Sd/ RATAN MUDDULI
247 Sd/ RAMESH JANI
248 Sd/ SUBHAS JHODIA
249 Sd/ SURESA JHODIA
250 Sd/ GOURI MAJHI

REVERENDLY, MAM

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୧. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୨. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୩. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୪. ନାରାୟଣ ଶ୍ରୀଦେବ

୫. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୬. ଶ୍ରୀଦେବ

୭. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୮. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୯. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୧୦. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୧୧. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୧୨. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୧୩. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୧୪. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୧୫. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୧୬. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୧୭. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୧୮. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୧୯. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

୨୦. ଲିଟିଂସ୍ ଡେପୋ ଶ୍ରୀଦେବ

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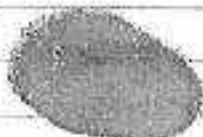
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Prerna Rana Choudhary

Priyanka Rana Choudhary

P. R. Choudhary

Lanerosa Ratna Choudhary

Madhvi Ratna Choudhary

Darshana Ratna Choudhary

Bhavya Ratna Choudhary

Prerna Ratna Choudhary

Ratna Choudhary

Shruti Ratna Choudhary

Ujjwala Ratna Choudhary

Tashu Ratna Choudhary

Tabana Ratna Choudhary

Rajiv Ratna Choudhary

ENGLISH TRANSLATION OF GRAMA SHABHA RESOLUTION

Village-Kansariguda,Block-Kasipur,Dt. Rayagada

Today Gramasabha was conducted on 27.06.11 at the centre corridor of the village Kansariguda under the presidentship of the Sarpanch Sri Patidi Majhi about 11:00 A.M. The ward member of the village along with villagers and the representative of Aditya aluminium Co. Sri Ajit kumar Panigrahi & Sri Satya Sunder Sahu attended the meeting. It was discussed in the meeting about the requirement of Govt Forest land for Aditya Aluminium Refinery & for Conveyer lane. The requirement of Govt Plots of our village for Aditya Aluminium refinery vide one Khata No 330, its plots are Plot No-8 (area 0.77 acres), Plot No-12 (area 1.22 acres), Plot No-17 (area 0.39 acres), Plot No-34 (area 0.22 acres), Plot No-61 (area 0.22 acres), Plot No-65 (area 0.04 acres), Plot No-66 (area 0.05 acres), Plot No-104 (area 0.69 acres), Plot No-113 (area 0.17 acres), Plot No-114 (area 0.10 acres), Plot No-121 (area 0.12 acres), Plot No-124 (area 0.27 acres), Plot No-130 (area 0.53 acres), Plot No-133 (area 1.58 acres), Plot No-181 (area 0.10 acres), Plot No-523 (area 0.28 acres), Plot No-524 (area 0.16 acres), Plot No-532 (area 0.07 acres), Plot No-534 (area 0.14 acres), Plot No-540 (area 0.15 acres), Plot No-561 (area 2.00 acres), Plot No-566 (area 0.80 acres), Plot No-567 (area 1.33 acres), Plot No-531 (area 0.10 acres), Plot No-639 (area 0.10 acres), Plot No-643 (area 0.36 acres), Plot No-881p (area 0.09 acres), Plot No-878p (area 0.18 acres) ; and another Khata No.333 plot nos are Plot No-902p (area 1.60 acres), Plot No-1481 (area 0.11 acres), Plot No-1482 (area 0.77 acres), Plot No-1488 (area 1.92 acres), Plot No-1519 (area 3.37 acres), Plot No-1520 (area 0.70 acres), Plot No-1522 (area 2.37 acres), Plot No-1523 (area 0.95 acres) whose total area is 24.02 acres or 9.72 Hectares were discussed in the meeting. Similarly it was discussed that Orissa Mining Corporation Ltd requires Govt Forest Land about 21.92 Hectares of Kodinga P.R.F. for its Bauxite Mining Project. It was known that in accordance with Govt. Law, the approval of central Govt. is required for the use the land as non forest land.

Hence we the undersigned villagers wanted to intimate the Govt. that there no right, title, and interest of any scheduled tribes, scheduled caste or general category or any other forest dweller of this village on the above stated plots as per the forest Right Act of 2006 and we do give our consent that we did not have any objection or claim if that plots are give to Aditya Aluminium for Refinery & Conveyer belt purpose and the kodinga forest land to its Joint Venture Orissa Mining Corporation, Orissa for Bauxite mining purpose by the Govt. Lastly the meeting ended after giving vote of thanks to the President.

PATIDI MAJHI
SarPanch of Padapadi G.P

Sd/- B.D.O. Kasipur
Sd/- Satya sundar Sahu, Aditya Aluminium
Sd/- Ajit Ku. Panigrahi, Aditya Aluminium

counter signature
Prasanna
Divisional Forest Officer
Rayagada Division

sl no	name
1	Sd/ GUNA MAJHI
2	Sd/ BINOD MAJHI
3	Sd/ BHIMLA MAJHI
4	LTI OF BAHADARA MAJHI
5	Sd/ SOJARI MAJHI
6	LTI OF SARBU MAJHI
7	Sd/ DINABANDHU JHODIA
8	Sd/ CHITO JHODIA
9	LTI OF RAPANI JHODIA
10	LTI OF BADALI JHODIA
11	LTI OF KRUSHNA JHODIA
12	Sd/ NAROTTAM JHODIA
13	LTI OF DALAPATI JHODIA
14	Sd/ TRINATH JHODIA
15	LTI OF SAIBA JHODIA
16	Sd/ PADMANO JHODIA
17	LTI OF MANESWAR JHODIA
18	LTI OF SAAK JHODIA
19	Sd/ LELLI JHODIA
20	LTI OF SAKBU JHODIA
21	LTI OF BADPAIKU JHODIA
22	Sd/ KABI JHODIA
23	Sd/ CHAKRADHAR JHODIA
24	LTI OF GHASON JHODIA
25	Sd/ SITTI MAJHI
26	Sd/ TILLI MAJHI
27	Sd/ ANANDO MAJHI
28	Sd/ BIBI MAJHI
29	LTI OF RAGHU MAJHI
30	LTI BARSU MAJHI
31	LTI OF LILI MAJHI
32	Sd/ API MAJHI
33	LTI OF KONHU MAJHI
34	LTI OF SATMA MAJHI
35	LTI OF BINOD MAJHI
36	LTI OF PALINGA MAJHI
37	LTI OF BISAKADI MAJHI
38	LTI OF BARSU MAJHI
39	LTI OF SANAI MAJHI
40	Sd/ TATRI MAJHI
41	Sd/ KOUO MAJHI
42	LTI OF PAIKA SAMANTA
43	Sd/ GUPTA MAJHI
44	Sd/ ARJI MAJHI
45	Sd/ NILO MAJHI
46	Sd/ BIJAY KUMAR CHOUDHURY
47	LTI OF RAMO JHODIA
48	LTI OF RUNDU MAJHI
49	LTI OF PAKU JHODIA

- 50 LTI OF SUMADARA MAJHI
- 51 LTI OF PITO JHODIA
- 52 LTI OF RAMOHORO MAJHI
- 53 LTI N.R. CHOUDHARY
- 54 LTI BESU MAJHI
- 55 Sd/ & LTI PURNA RATNA CHOUDHARY
- 56 Sd/ & LTI DRI JAHU PATRO CHOUDHARY
- 57 Sd/ & LTI D.R. CHOUDHARY
- 58 Sd/ & LTI LAXMAN RATNA CHOUDHARY
- 59 sd/- & LTI MADHU RATNA CHOUDHARY
- 60 sd- & LTI DAULA RATNA CHOUDHARY
- 61 sd/ & LTI BIDYA DHARA RATNA CHOUDHARY
- 62 sd/ & LTI PREMA RATNA CHOUDHARY
- 63 sd/- & LTI RAMA CHANDRARATNA CHOUDHARY
- 64 sd/- & LTI DHUSAM RATAN CHOUDHURY
- 65 Sd/- LTI OF TRINATHA RATNA CHOUDHARY
- 66 LTI OF JADU RATNA CHOUDAHRY
- 67 LTI BUBANA RATNA CHOUDHARY
- 68 LTI OF RAJIV RATNA CHOUDHARY

Form-I

(For linear projects other than Plantation)

[Forest (Conservation) Rule-2003(6)(3) as Amended up to date

Government of Odisha

Office of the District Collector, Rayagada

No. 25-29/XI-44/2022

Dated 17/12/2022

TO WHOM SOEVER IT MAY CONCERN

In compliance of the Ministry of Environment and Forest (MoEF), Government of India's Letter No 11-9/98-FC (pt) dated 3rd August 2009 wherein the MoEF issued guideline on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (FRA) on the forest land proposed to be diverted for non-forest purposes read with MoEF's letter dated 5th February 2013 wherein MoEF issued certain relaxation in respect of linear projects, it is certified that **11.072 hectares (27.36 acres)** of forest land proposed to be diverted in favour of Aditya Alumina Refinery Project (Unit of Hindaleo Industries Ltd.) at Kansariguda village under Tikiri RI Circle of Kashipur Tahasil in Rayagada District for establishment of Aditya Alumina Refinery Project (Unit of Hindaleo Industries Ltd) in Rayagada district falls within jurisdiction of Kansariguda Village(s) in Kashipur Tahasil.

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 **11.072 hectares (27.36 Acres)** of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee, Gram Sabha, Sub-Division Level Committee and the District Level Committee are enclosed.
- (b) The diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA, 2006 have been completed and the Grama Sabha have given their consent to it.
- (c) The proposal does not involve recognized rights of Primitive Tribal Groups and Pre Agricultural Communities.

Collector-cum-District Magistrate-cum-Chairperson, DLC (FRA), Rayagada



**INTEGRATED TRIBAL DEVELOPMENT AGENCY,
RAYAGADA**

E-mail-itdrayagada@gmail.com, Contact No.06856-235165, Pin Code-765001

Letter No 2541 /XI-44/2022

Date 20/12 /2022

To,

The Assistant Vice President,
Corporate Affairs, Hindalco,
Bhubaneswar.

Sub: - Regarding issue of NOC to Corporate Affairs, Hindal Co. Bhubaneswar.

Sir,

With reference to the aforementioned subject, I am to enclose herewith "No Objection Certificate" of recommended area of 11.072 hector of forest land in favour of Aditya Alumina Refinery Projects (Unit of Hindalco Industries Ltd.) at kansariguda village under Tikiri RI circle of Kashipur Tahasil in Rayagada District for establishment of Aditya Refinery Project.

This is for favour of your kind information and necessary action.


Yours faithfully,


Project Administrator,
I.T.D.A, Rayagada

Memo No- 2542 /2022

Date- 20/12 /2022

Copy submitted to Collector, Rayagada for favour of kind information.


Project Administrator,
I.T.D.A, Rayagada

**PROCEEDINGS OF DIST. LEVEL COMMITTEE MEETING HELD ON DATED- 15.10.22
AT 10.30 A.M ON IMPLEMENTATION OF SCHEDULE TRIBES AND OTHER
TRADITIONAL FOREST DWELLERS, (RECOGNITION OF FOREST RIGHTS) ACT,
2006 AND AMENDMENT RULE, 2012.**

Date of Meeting : 15-10-2022
Time : 10.30 AM
Venue : Sadbhabana Conference Hall of Collectorate, Rayagada

The Dist. Level Committee meeting (DLC) on Implementation of Schedule Tribes and Other Traditional Forest-Dwellers, (Recognition of Forest Rights) Act, 2006 and Amendment Rule, 2012 was held on dated 15.10.2022 at 10.30AM in Sadbhabana Conference Hall, Collectorate, Rayagada under the Chairmanship of Collector-cum-Chairperson, DLC (FRA), Rayagada and the following members were present in the meeting.

1. Additional District Magistrate, Rayagada
2. Divisional Forest Officer, Rayagada
3. District Welfare officer, Rayagada.
4. Miss. Sarswati Majhi, Chairman of Zilla Parishad, (Z.P Member, Kashipur)
5. Egan Gomango, Z.P Member, Gunupur
6. Sri. Bharatam Vara Prasa, Z.P Member, K. Singpur
7. Project Administrator, ITDA, Rayagada-cum-Member Convenor

At the outset of the meeting, the Collector-Cum-Chairperson (DLC) Rayagada welcomed to all the members present in the meeting and asked the Project Administrator ITDA, Rayagada to start agenda wise detailed discussion on implementation of FRA, 2006 & Amendment Rule, 2012 in the district. The Agenda wise discussion is given as below.

Agenda-No-1: Approval of Individual Forest Rights (IFR) claims received from SDLC, Gunupur and SDLC, Rayagada:

The member convenor appraised to the Committee that the following 902 nos. of IFR claims have been received from SDLC, Gunupur (253+350-603) and SDLC, Rayagada (299) for consideration and approval at the level of DLC so that titles will be issued in favour of the tribal beneficiaries. He further added that on scrutiny of these IFR claims case records, it is seen that 33 nos. of claims are available of Kashipur Tahasil wherein it is recommended to settle the title on Pahad/Parbata kisan of land. Hence, the Committee may consider to remand these claims to SDLC, Rayagada with intimation to concerned Gram Sabhas for re-examination of these claims.

As such, the Committee unanimously decided and approved 869 IFR claims in which the titles will be issued and concerned Tahasildars will be asked for record correction and settlement of Forest Land in the name of ST beneficiaries.

The detailed list of the claims along with the case records as above submitted before the Committee for examination and consideration. The Committee after careful examination approved the IFR claims received from the SDLC, Gunupur & Rayagada for conferment of titles under FRA, 2006 and Amendment Rules 2012 which are given below.

List of IFR Claims Approved in the Meeting: (Detailed list enclosed at Annexure-I)

Name of SDLC	Name of the Block/Tahasil	Name of the GPs	Name of the Village	No. of claims	Area Approved in Ac.
Gunupur	Padmapur	Nuagada	Gudiabandha	30	62.53
			Narayanpur	27	1.72
			Hastinapur	07	15.75
		Indupur	Routaranga	45	0.81
			Sub-Total	109	80.81
	Gunupur	Tolana	Tolana	16	21.47
		Chalakamba	Rupapadar	17	23.40
		Titimiri	Munda	07	10.10
		Regada	Tala Munda	44	44.21
		Jaltar	Nuagaon	28	19.01
		Jagannathpur	Tamilaguda	07	9.37
			Sub-Total	119	127.56
	Muniguda	Munikhola	Chernagapai	15	9.72
		Sibapadar	Sekarpadi	07	7.00
			Sub-Total	22	16.72
	Bissam Cuttack	Bethiapada	Banapur	100	107.20
			Sub-Total	100	107.20
			Total	350	332.29
Gunupur	Gunupur	Regada	Bodaguda	41	1.20
			Chinariguda	02	0.90
			Talamunada	11	18.60
			Gobariguda	05	4.22
		Gadiakhala	Ompera	12	17.26
		Sirijholi	Sana Ambaguda	34	19.80
		Jalatr	Jalatra (PVTG)	09	13.03
		Adaba	Sindhua (PVTG)	20	0.40
		Jagannathpur	Debaguda	03	0.86
			Malatipur	02	5.00
			Sub-Total	139	81.27
	Gudari	Siriguda	Musapadar	22	0.436
			Rushiguda	39	50.36
			Sub-Total	61	50.472
	Ramanaguda	Butingi	Haduguda	04	6.25
		G.Gulumunda	Parala colony	39	41.26
		Bhamini	Gopalpur	01	1.32
			Sub-Total	44	48.83
	Muniguda	Sibapadar	Khambesi (PVTG)	09	7.40
			Sub-Total	09	7.40
			Total	253	192.296

Sl No.	Name of the Sub-Division	Tahasil/Block	Name of the GP	Village	No. of claims	Area in Ac.	
1	Rayagada	Kashipur	Siripai	Bhalumaska	40	51.80	
			Godibali	Narangabadi	2	1.38	
			Gorakhpur	Lamberi	31	86.69	
			Siripai	Balangiri	18	20.98	
			Siripai	Perag	24	48.46	
2		K. Singpur	Dhamunipanga	Gundriguda	60	74.72	
			Dhamunipanga	Dhepaguda	23	23.04	
			Parsali	Bado Buduni	10	18.16	
3			Rayagada	Rayagada	Ramchandrapur (Municipality)	38	2.67
					TOTAL	266	327.90

IFR Claims Remanded to SDLC, Rayagada: (Detailed list enclosed at Annexure-II)

Sl No.	Name of the Sub-Division	Tahasil/Block	Name of the GP	Village	IFR claims Remanded	
					No. of claims	Area in Ae.
1	Rayagada	Kashipur	Siripai	Sarapas	29	25.49
			Godibali	Narangabadi	4	5.65
			TOTAL		33	31.14

Agenda-No-2: Approval of Community Forest Right (CFR) and Community Forest Resource Right (CFRR) received from SDLC, Rayagada:

The member-convenor apprised to the Committee that three nos. of Community Forest Rights (CFR) claims and another three nos. of Community Forest Resource Rights (CFRR) claims have been received from the SDLC, Rayagada for consideration and approval at the level of DLC. The details about the claims are given below.

The details about the claims are given below:								
Sl No	Name of the Sub-Division	Tahasil/Block	Name of the GP	Village	No. of CFR/CFRR Claim			Remarks
					No. of claims CFR	No. of claims CFRR	Area in Ae.	
1	Rayagada	Kashipur	Siripai	Sarapas	1	1	147.5	ଉର୍ବର Kisam land
			Maikanch	Lundurukana	1	1	46.25	ପାହାଡ଼ି Kisam land
			Siripai	Ambabali	1	1	164.25	ଉର୍ବର Kisam land
			TOTAL		3	3	358.00	
				Grand Total	06		358.00	

The Committee examined the cases and found that the Gram Sabha/Palli Sabha and SDLC, Rayagada have recommended CFR & CFRR for the purpose to collect use & dispose of minor forest produces and to get livelihood support by using resources available in the above land areas to the beneficiaries of the village- Sarapas, Lundurukana & Ambubali of Kashipur Tahasil. However, it is seen that all these land areas are of ଗଢ଼ିଓ/ଘଢ଼ିଓ kism of land. Hence, the Committee unanimously decided to remand these above cases to the SDLC, Rayagada and concerned Palli Sabha for re-examination of these cases.

Agenda-No-3: Conversion of Forest Village into Revenue Village:

The member-convenor submitted the proposals of conversion of Forest Villages-Lamheri, Balangiri & Perag of Kashipur Tahasil into Revenue Villages before the Committee. There is provision u/s-3(1)(h) of the Forest Rights Act,2006 that forest villages, old habitations and unsurveyed villages can be converted into revenue villages by following the guidelines prescribed by the Govt. in R&DM Deptt. under the Act. Accordingly, proposals of three nos. of villages are received from the SDLC, Rayagada vide their letter No. 4218 dtd 28-07-2022 and the details are given below.

Sl. No.	Name of the Sub-Division	Tahasil/Block	Name of the GP	Village	No. of CFR/CFRR Claim			Kisam of Land
					No. of claims CFR	No. of claims CFRR	Area in Ac.	
1	Rayagada	Kashipur	Gorakhpur	Lamheri	1	1	15.76	Reserve Forest
			Siripai	Balangiri	1	1	4.39	Reserve Forest
			Siripai	Perag	1	1	73.79	Reserve Forest
				TOTAL	03	03	93.94	
				Grand Total	06		93.94	

It is evident from the above Community Forest Rights (CFR) and Community Forest Resources Rights (CFRR) of these above villages that community rights for School, Masani, Gochara, Gharabari Jagya and others have been duly identified and demarcated for establishment of a village. Besides, Individual Forest Rights (IFR) claims of these villages have been processed and approved by the Palli Sabha/Gram Sabha & SDLC, Rayagada which are given at Annexure-I. Hence, the Committee after consideration of the documents, recommendations of Palli Sabha/Gram Sabha & SDLC, Rayagada decided to approve the proposals for conversion of the above three villages i.e Lamheri, Balangiri & Perag of Kashipur Tahasil from forest villages into revenue villages. Further, it is decided to initiate the process for settlement of land rights of the residence under the Revenue Law.

Agenda-No-4: Correction of Revenue Records and Demarcation of Forest Land of the IFR & CFR Claims under the Forest Rights Act, 2006.

The member-convener apprised to the Committee that large numbers of IFR claims and CFR claims titles are available before the Tahasildars for record correction and demarcation of forest land. However, the progress in this regard is not satisfactory. Hence, the Committee decided to ask the Tahasildar to complete the process without further delay and issue the RoRs to tribal beneficiaries immediately. The Sub-Collector, Rayagada/Gunupur may also be impressed to supervise the work in this regard.

Agenda-No-5: Approval and issue of NOC to Aditya Alumina Refinery Project at Kansariguda village

The member-convener apprised to the Committee that proposals have been received from the Sub-Collector-Cum-Chairman, SDLC, Rayagada vide Letter No. 444 Dtd. 24.01.2022 & No.5792 Dtd. 29.10.2022 for issuance of NOC to **Aditya Alumina Refinery Project at Kansariguda village** of RI Circle Tikiri under Kashipur Tahasil that Forest Rights claims (IFR) have not been recognised to Primitive Vulnerable Tribal Groups or Pre-Agricultural Committee in the proposed 11.072Ha of forest land. The Palli Sabha/Gram Sabha of the concerned village have approved the proposal and the SDLC, Rayagada has also considering the recommendation of the Palli Sabha, approved and recommended the proposal.

Hence, considering the above the DLC approved the proposal and recommended for issue of NOC to the **Aditya Alumina Refinery Project at Kansariguda village** of RI Circle Tikiri under Kashipur Tahasil with reference to the Forest Conservation Rules,2003 6(3)(e).

Agenda-No-6: Approval of issue of stage-II clearance to Odisha Power Transmission Cooperation Ltd, Rayagada

The member-convener apprised to the Committee that basing on the enquiry report of the Sub-Collector-cum-Chairman, SDLC, Rayagada and recommendation of the Palli Sabha/Gram Sabha of Gajulupadu, Burjuguda, Gaurgura, Palipinda, Pujariguda & Embalguda of Koinara Tahasil and Belkona, Kirkalpadu, Jamugura, Baladia, Kotlang, Bisipaska, Bhalumaska & Revolkona RF of K.Singpur Tahasil NOC has already been issued vide Letter No. 1432 Dtd. 22.06.2021 to the user agency Odisha Power Transmission Cooperation Ltd, Rayagada. However, the recommendation of the DLC is essential for stage-II clearance under the Forest Conservation Act, 1980 & Rules 2003.

Considering the fact supra, the DLC approved the proposal and recommended to provide approval copy of the DLC to the user agency OPTCL, Rayagada.

Agenda-No-7: Diversion of Forest Land u/s – 3 (2) of the Forest Rights Act, 2006.

During discussion of this agenda it is placed that 165 Nos. of diversion proposals under the Sub-Section-2 of the Section-3 have been approved by the Divisional Forest Officer, Rayagada. Besides, the ACF, Rayagada apprised to the Committee that few nos. of proposals are returned to the user agencies with objection and it will be approved after rectification of these proposals. The Chairman of the Committee impressed the ACF, Rayagada to facilitate the proposals in urgent basis to clear land issues for developmental projects.


✓ **Agenda-No-8: Convergence of FRA title holders in different Govt. Schemes.**


The member-convener appraised to the Committee that 26165 nos. of FRA beneficiaries have been covered under different Govt. Schemes through Convergence mode on implementation of convergence programmes of the FRA, 2006. The Collector-cum-Chairperson, DLC impressed the Committee that the list of Forest Right beneficiaries should be distributed to different officials of line departments so that they can be included in different Govt. schemes. Accordingly, continuous support for the IFR title holders through various schemes for land development & creation of irrigation potentials, promoting farm forestry and horticulture activities in the land allotted to the beneficiaries can be achieved.

The meeting ended with vote of thanks to the Chair and the Participants


PA-ITDA cum-Member
Convener, DLC (FRA),
Rayagada


District Welfare Officer,
Rayagada


Divisional Forest Officer,
Rayagada


Collector-cum-Chairperson,
DLC (FRA), Rayagada

INTEGRATED TRIBAL DEVELOPMENT AGENCY, RAYAGADA

Memo No. 2448 /X1-06/2022

Date: 05/12/22

Copy submitted to the Director (ST), ST & SC Development Department, Odisha Bhubaneswar for favour of information.


PA, ITDA-cum-Member Secretary
SDLC, FRA, Rayagada

Memo No. 2449 /2022

Date: 05/12/22

Copy submitted to the Chief Conservator of Forest, Odisha for favour of information.


PA, ITDA-cum-Member Secretary
SDLC, FRA, Rayagada

Memo No. 2450 /2022

Date: 05/12/22

Copy forwarded to the Project Administrator, ITDA, Gunupur/ Divisional Forest Officer, Rayagada/ Sub-Collector-Cum-Chairman, SDLC (FRA), Gunupur / Rayagada / District Welfare Officer, Rayagada/ All Special Officers of Micro Projects/ Miss. Saraswati Majhi, Chairman of Zilla Parishad, (ZP Member, Kashipur)/ Sri Egan Gomango, ZP Member, Gunupur/ Sri Bharatam Varsa Prasa, ZP Member, K. Singpur for information.


PA, ITDA-cum-Member Secretary
SDLC, FRA, Rayagada

Memo No. 2451 /2022

Date: 05/12/22

Copy to the DIO, NIC, Rayagada/ All Block Development Officers/ All Tahasildars of this district for information and necessary action.


PA, ITDA-cum-Member Secretary
SDLC, FRA, Rayagada

DETAIL FOREST LAND SCHEDULE								
Village - Kansariguda, Tahasil - Kasipur, Tikiri R.I. Circle, Dist- Rayagada								
Sl. No.	Khata No.	Status	Plot No.	HAL STATUS		Exam	Name of the Beneficiary	Remark
				Total Area in Ac.	Acquired Area in Ac.			
1	330	Rakhita	8	0.77	0.77	Gramya Jungle	Govt. of Orissa	HAL FOREST
2	330	Rakhita	12	1.22	1.22	Gramya Jungle	Govt. of Orissa	HAL FOREST
3	330	Rakhita	17	0.39	0.39	Gramya Jungle	Govt. of Orissa	HAL FOREST
4	330	Rakhita	34	0.22	0.22	Gramya Jungle	Govt. of Orissa	HAL FOREST
5	330	Rakhita	81	0.22	0.22	Gramya Jungle	Govt. of Orissa	HAL FOREST
6	330	Rakhita	85	0.04	0.04	Gramya Jungle	Govt. of Orissa	HAL FOREST
7	330	Rakhita	86	0.05	0.05	Gramya Jungle	Govt. of Orissa	HAL FOREST
8	330	Rakhita	106	0.89	0.89	Gramya Jungle	Govt. of Orissa	HAL FOREST
9	330	Rakhita	113	0.17	0.17	Gramya Jungle	Govt. of Orissa	HAL FOREST
10	330	Rakhita	114	0.10	0.10	Gramya Jungle	Govt. of Orissa	HAL FOREST
11	330	Rakhita	121	0.12	0.12	Gramya Jungle	Govt. of Orissa	HAL FOREST
12	330	Rakhita	124	0.27	0.27	Gramya Jungle	Govt. of Orissa	HAL FOREST
13	330	Rakhita	130	0.53	0.53	Gramya Jungle	Govt. of Orissa	HAL FOREST
14	330	Rakhita	133	1.48	1.48	Gramya Jungle	Govt. of Orissa	HAL FOREST
15	330	Rakhita	162	0.44	0.44	Gramya Jungle	Govt. of Orissa	HAL FOREST
16	330	Rakhita	163	0.56	0.56	Gramya Jungle	Govt. of Orissa	HAL FOREST
17	330	Rakhita	180	0.70	0.70	Gramya Jungle	Govt. of Orissa	HAL FOREST
18	330	Rakhita	181	0.10	0.10	Gramya Jungle	Govt. of Orissa	HAL FOREST
19	330	Rakhita	523	0.20	0.20	Gramya Jungle	Govt. of Orissa	HAL FOREST
20	330	Rakhita	524	0.16	0.16	Gramya Jungle	Govt. of Orissa	HAL FOREST
21	330	Rakhita	532	0.07	0.07	Gramya Jungle	Govt. of Orissa	HAL FOREST
22	330	Rakhita	534	0.14	0.14	Gramya Jungle	Govt. of Orissa	HAL FOREST
23	330	Rakhita	540	0.15	0.15	Gramya Jungle	Govt. of Orissa	HAL FOREST
24	330	Rakhita	561	2.00	2.00	Gramya Jungle	Govt. of Orissa	HAL FOREST
25	330	Rakhita	566	0.80	0.80	Gramya Jungle	Govt. of Orissa	HAL FOREST
26	330	Rakhita	567	1.33	1.33	Gramya Jungle	Govt. of Orissa	HAL FOREST
27	330	Rakhita	531	0.10	0.10	Gramya Jungle	Govt. of Orissa	HAL FOREST
28	330	Rakhita	539	0.10	0.10	Gramya Jungle	Govt. of Orissa	HAL FOREST
29	330	Rakhita	643	0.36	0.36	Gramya Jungle	Govt. of Orissa	HAL FOREST
30	330	Rakhita	881(P)	0.18	0.08	Gramya Jungle	Govt. of Orissa	HAL FOREST
31	330	Rakhita	879(P)	0.23	0.18	Gramya Jungle	Govt. of Orissa	HAL FOREST
32	333	A/A	902(P)	24.38	1.85	Parbat	Govt. of Orissa	HAL FOREST
33	333	A/A	1481(P)	28.75	0.11	Parbat	Govt. of Orissa	HAL FOREST
34	333	A/A	1482(P)	15.00	0.77	Parbat	Govt. of Orissa	HAL FOREST
35	333	A/A	1488(P)	40.75	1.62	Parbat	Govt. of Orissa	HAL FOREST
36	333	A/A	1518(P)	21.75	3.37	Parbat	Govt. of Orissa	HAL FOREST
37	333	A/A	1520(P)	17.00	0.70	Parbat	Govt. of Orissa	HAL FOREST
38	333	A/A	1522(P)	22.50	2.37	Parbat	Govt. of Orissa	HAL FOREST
39	333	A/A	1523(P)	28.63	0.95	Parbat	Govt. of Orissa	HAL FOREST
40	330	Rakhita	816	0.08	0.05	Gochar	Govt. of Orissa	SABIK FOREST
41	330	Rakhita	1280	0.20	0.20	Gochar	Govt. of Orissa	SABIK FOREST
42	330	Rakhita	1291	0.19	0.19	Gochar	Govt. of Orissa	SABIK FOREST
43	330	Rakhita	1295	0.27	0.27	Gochar	Govt. of Orissa	SABIK FOREST
137	333	A/A	806	0.70	0.70	Nala	Govt. of Orissa	SABIK FOREST
147	330	Rakhita	902(P)	0.57	0.05	Gochar	Govt. of Orissa	SABIK FOREST
				27.360				
Total Non-Forest in Ac.				560.320				
Hal Forest in Ac.				25.890				
Sabik Forest in Ac.				1.47				
Total Forest in Ac.				27.36				
Grand Total of land required in Ac.				587.680				

36 ଚଣା/କି ଚାଟିଆ ୫୫ ପରାମର୍ଶ ଦିଆଯିବ

37 ବିଶ୍ୱାସୀ ଚାଟିଆ

38 ଶାନ୍ତାବତୀ ଚାଟିଆ

39 ଶ୍ରୀମତୀ ଚାଟିଆ

40 ଶ୍ରୀମତୀ ଚାଟିଆ ୫୫ ପରାମର୍ଶ ଦିଆଯିବ

41 ଶ୍ରୀମତୀ ଚାଟିଆ

42 ଶ୍ରୀମତୀ ଚାଟିଆ

43 ଶ୍ରୀମତୀ ଚାଟିଆ

44 ଶ୍ରୀମତୀ ଚାଟିଆ

45 ଶ୍ରୀମତୀ ଚାଟିଆ

46 ଶ୍ରୀମତୀ ଚାଟିଆ

47 ଶ୍ରୀମତୀ ଚାଟିଆ ୫୫ ପରାମର୍ଶ ଦିଆଯିବ

48 ଶ୍ରୀମତୀ ଚାଟିଆ

49 ଶ୍ରୀମତୀ ଚାଟିଆ

50 ଶ୍ରୀମତୀ ଚାଟିଆ

51 ଶ୍ରୀମତୀ ଚାଟିଆ

52 ଶ୍ରୀମତୀ ଚାଟିଆ ୫୫ ପରାମର୍ଶ ଦିଆଯିବ

53 ગુ.કુશા ભાઈયા

54 સુભાષ કાન્તિ

55 કુનિ લેલિયા

56 ભગુડે ભાઈયા

57 Lalita Shodha

58 કાન્તિ ભાઈયા

59 વંદ્યુ ભાઈયા

60 કલ્યાણ ભાઈયા

61 ભાનુભાઈ ભાઈયા

62 ગુ.ભદ્ર ભાઈયા

63 તા.કે. વાસુભાઈ

64 તા.કે. જલનિ જાણી

65 તા.કે. ગણુભાઈ

66 તા.કે. કૃષ્ણ ભાઈયા

67 તા.કે. વાસુભાઈ

68 X ଦିବ୍ୟ ନ ବିଭବତୀ ପୁରୀ

69 ମୁନିମା ଦେବୀ ପୁରୀ

70 ବିଜୟ କାନ୍ତା ଦେବୀ ପୁରୀ

71 ଅନିତା ଦେବୀ

72 Lilabati Mondal

73 Rasmida Hinkal

74 ଶାନ୍ତାମଣି

75 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

76 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

77 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

78 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

79 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

80 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

81 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

82 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

83 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

84 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

85 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

86 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

87 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

88 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

89 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

90 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

91 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

92 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

93 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

94 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

95 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

96 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

97 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

98 ଶ୍ରୀମତୀ ସାବିତ୍ରୀ

89 [REDACTED] ગુફા માટે

90 [REDACTED] ગુફા માટે

91 [REDACTED] કુલ ૬ ગુફા

92 [REDACTED] ગુફા માટે

93 Mukunda Mathi

94 Sankardev Mathi

95 ગિરનાર કુલ ૮ ગુફા

96 Sankardev Ratan Choudhary

97 Curran's Mathi

98 [REDACTED] ગુફા માટે

99 [REDACTED] LTA કુલ ૬ ગુફા માટે

100 [REDACTED] કુલ ૬ ગુફા માટે

101 [REDACTED] LTA કુલ ૬ ગુફા માટે

102 [REDACTED] LTA કુલ ૬ ગુફા માટે

103 [REDACTED] કુલ ૬ ગુફા માટે

104 ગાંધી ગુફા માટે

105 ગાંધી ગુફા માટે

106 ગાંધી ગુફા માટે

107 [REDACTED] LTA કુલ ૬ ગુફા માટે

- 108 ଭୋରାଣ ମାଢ଼ୀ
- 109 ଲେଇଲା ମାଢ଼ୀ
- 110 ଗିରୀଶଙ୍କ ମାଢ଼ୀ
- 111 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 112 ମାଢ଼ୀ ଧରଣି ମାଢ଼ୀ
- 113 ମାଢ଼ୀ ଶାନ୍ତି ମାଢ଼ୀ
- 114 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 115 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 116 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 117 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 118 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 119 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 120 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 121 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 122 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 123 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 124 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 125 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ
- 126 ମାଢ଼ୀ ମୁକ୍ତି ମାଢ଼ୀ

127



TAK

ଆହାମୀ କୋଡ଼ିଆ

128



TAK

ଧନିଆ କୋଡ଼ିଆ

129



TAK

ବହୁଳି କୋଡ଼ିଆ

130



ପାହୁଳି କୋଡ଼ିଆ

131



TAK

ଆହାମୀ କୋଡ଼ିଆ

132



TAK

ବହୁଳି କୋଡ଼ିଆ

133



TAK

ଧନିଆ କୋଡ଼ିଆ

134

TAK କି କୋଡ଼ିଆ

135



TAK

ବହୁଳି କୋଡ଼ିଆ

136



TAK

ଆହାମୀ କୋଡ଼ିଆ

137

TAK

ବହୁଳି କୋଡ଼ିଆ

138

TAK

ବହୁଳି କୋଡ଼ିଆ

139 ପଦ୍ମାବତୀ

140 Subhadra

141 ପଦ୍ମାବତୀ

142 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

143 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

144 ପଦ୍ମାବତୀ
ଶ୍ରୀ କୃଷ୍ଣ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

145 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

146 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

147 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

148 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

149 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

150 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

151 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

152 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

153 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

154 ପଦ୍ମାବତୀ ମାଧବେନ ଶ୍ରୀ କୃଷ୍ଣ

153 [redacted] ବୁଦ୍ଧଜାଣି ହୋଇଥିଲା

156 [redacted] ବୁଦ୍ଧଜାଣି ହୋଇଥିଲା

157 [redacted] ବୁଦ୍ଧଜାଣି ହୋଇଥିଲା

158 [redacted] ବୁଦ୍ଧଜାଣି ହୋଇଥିଲା
ବୁଦ୍ଧଜାଣି ହୋଇଥିଲା

159 [redacted] ବୁଦ୍ଧଜାଣି ହୋଇଥିଲା

160 [redacted] ବୁଦ୍ଧଜାଣି ହୋଇଥିଲା
ବୁଦ୍ଧଜାଣି ହୋଇଥିଲା

161 [redacted] ବୁଦ୍ଧଜାଣି ହୋଇଥିଲା

162 [redacted] ବୁଦ୍ଧଜାଣି ହୋଇଥିଲା

163 Khanti maghi

164 [redacted] ବୁଦ୍ଧଜାଣି ହୋଇଥିଲା

165 ପ୍ରଜ୍ଞାପ ସାହି

166 ପବିତ୍ର ସାହି

167 ହାତୁ କାମ

168 ଦଳି ସାହି

169 ବିଦ୍ୟାବତ୍ କୁମାରୀ ମାଣି

170 ଗୋସ୍ୱାମୀ ମାଣି

171 ଶେଷତୀ ମାଣି

172 ପୁଷ୍ପ ମାଣି

173 ଚୈତନୀ ମାଣି

174 ସିଦ୍ଧା ମାଣି

175 ଶ୍ରୀକୃଷ୍ଣ ଶୋଭା

176 ବାସବତୀ ଶୋଭା

177 ଦୀନବନ୍ଧୁ ଶୋଭା

178 ମୁହିଁ ଶୋଭା

179 ଭୀମସେନ ମାଣି

180 ମାଣି

181 ମାଣି

182 Madhava Mani

183 ମାଣି

184 ମାଣି

185 ମାଣି

- 186 [redacted] ମନୁ ମାଣି
- 187 ପାଠ ଦେଖି ଦିଅନ୍ତା
- 188 [redacted] ମାଣି ମାଣି
- 189 ଦିଅନ୍ତା ମାଣି
- 190 [redacted] ମାଣି ମାଣି
- 191 ପାଠ ଦେଖି ଦିଅନ୍ତା
- 192 [redacted] ମାଣି ମାଣି
- 193 [redacted] ମାଣି ମାଣି
- 194 [redacted] ମାଣି ମାଣି
- 195 ପାଠ ମାଣି
- 196 [redacted] ମାଣି ମାଣି
- 197 [redacted] ମାଣି ମାଣି
- 198 [redacted] ମାଣି ମାଣି
- 199 [redacted] ମାଣି ମାଣି
- 200 [redacted] ମାଣି ମାଣି
- 201 [redacted] ମାଣି ମାଣି
- 202 [redacted] ମାଣି ମାଣି

203 Rudharam naghi

204 મનિયા ગાદી

205 રૂ મેલિ ગાદી

206 રૂ મેલિ ગાદી

207 રૂ મેલિ ગાદી

208 રૂ મેલિ ગાદી

209 રૂ મેલિ ગાદી

210 રૂ મેલિ ગાદી

211 રૂ મેલિ ગાદી

212 રૂ મેલિ ગાદી

213 રૂ મેલિ ગાદી

214 રૂ મેલિ ગાદી

215 રૂ મેલિ ગાદી

216 રૂ મેલિ ગાદી

217 રૂ મેલિ ગાદી

218 રૂ મેલિ ગાદી

219 [redacted] ଦାଆଇ ମାଣ୍ଡି
220 [redacted] ବୁନାପଇ ଖୋଦିଆ

221 [redacted] ଦାଆଇ ମାଣ୍ଡି
222 [redacted] ବୁନାପଇ ଖୋଦିଆ

223 [redacted] ଦାଆଇ ମାଣ୍ଡି
224 [redacted] ବୁନାପଇ ଖୋଦିଆ

225 [redacted] ଦାଆଇ ମାଣ୍ଡି

226 [redacted] ଦାଆଇ ମାଣ୍ଡି
227 [redacted] ବୁନାପଇ ଖୋଦିଆ

228 [redacted] ଦାଆଇ ମାଣ୍ଡି

229 [redacted] ଦାଆଇ ମାଣ୍ଡି
230 [redacted] ବୁନାପଇ ଖୋଦିଆ

231 [redacted] ଦାଆଇ ମାଣ୍ଡି
232 [redacted] ବୁନାପଇ ଖୋଦିଆ

233 [redacted] ଦାଆଇ ମାଣ୍ଡି
234 [redacted] ବୁନାପଇ ଖୋଦିଆ

235 [redacted] ଦାଆଇ ମାଣ୍ଡି
236 [redacted] ବୁନାପଇ ଖୋଦିଆ

233 [Redacted] ગ્રામીણ
234 ગુજરાત સરકાર

235 [Redacted] ગ્રામીણ
ગાંધી ગ્રામીણ

236 [Redacted] ગ્રામીણ
237 ગાંધી ગ્રામીણ

238 [Redacted] ગ્રામીણ

239 [Redacted] ગ્રામીણ
ગાંધી ગ્રામીણ

240 [Redacted] ગ્રામીણ
ગાંધી ગ્રામીણ

241 ગુજરાત સરકાર

242 [Redacted] ગ્રામીણ

243 ગાંધી ગ્રામીણ
ગાંધી ગ્રામીણ

244 [Redacted] ગ્રામીણ

245 ગાંધી ગ્રામીણ


- 246 ଟା.ଟି ଖୁବ୍ ମାରି
- 247 ଟା.ଟି ହାଲୁ ମାରି
- 248 ଟା.ଟି କଢ଼ା ମାରି
- 249 ଟା.ଟି ଦୁଆରୁ ମାରି
- 250 ଟା.ଟି କାନ୍ଦ ମାରି
- 251 ପ୍ରହାର ତାରି
- 252 ଟା.ଟି ଖୁବ୍ ଖୋରା
- 253 ଟା.ଟି ଖୋରା
- 254 ଟା.ଟି ଖୁବ୍ ଖୋରା
- 255 କୁଳି ଖୋରା
- 256 ଟା.ଟି ଖୋରା
- 257 ଦ୍ଵିଗୁଣ ଖୋରା
- 258 ଟା.ଟି ଖୋରା
- 259 ଟା.ଟି ଖୋରା
- 260 ଟା.ଟି ଖୋରା

261  ଟାଙ୍କି ଚିକିତ୍ସା

262  ଟାଙ୍କି ଚିକିତ୍ସା

263 ଗୁଣ୍ଡେଇ ଚିକିତ୍ସା
264 ଚିକିତ୍ସା ଚିକିତ୍ସା

265  ଟାଙ୍କି
ସାଥକୁ ଚିକିତ୍ସା


266  ଟାଙ୍କି
ସାଥକୁ ଚିକିତ୍ସା

267  ଟାଙ୍କି
କ୍ଷତି ଚିକିତ୍ସା

268 କ୍ଷତି ଚିକିତ୍ସା

269 ଚିକିତ୍ସା ଚିକିତ୍ସା

270 ଚିକିତ୍ସା ଚିକିତ୍ସା ଚିକିତ୍ସା

271  ଟାଙ୍କି
ଚିକିତ୍ସା ଚିକିତ୍ସା

272  ଟାଙ୍କି ଚିକିତ୍ସା ଚିକିତ୍ସା

273  ଟାଙ୍କି ଚିକିତ୍ସା ଚିକିତ୍ସା

274 [redacted] 1/16 પ્રાકૃત પ્રાદી

275 [redacted] 1/16 ભિક્ષુ પ્રાદી

276 [redacted] 1/16 ભિક્ષુ પ્રાદી

277 [redacted] 1/16 પ્રાકૃત પ્રાદી

278 [redacted] 1/16 ભિક્ષુ પ્રાદી

279 [redacted] 1/16 પ્રાકૃત પ્રાદી

280 [redacted] 1/16 ભિક્ષુ પ્રાદી

281 [redacted] 1/16 પ્રાકૃત પ્રાદી

282 [redacted] 1/16 પ્રાકૃત પ્રાદી

283 [redacted] 1/16 પ્રાકૃત પ્રાદી

Details of village wise & plot wise Revenue forest land extracted from the authenticated land schedule showing the ROR and area of forest land in Ac./Ha. in Rayagada district. Required for the Alumina Refinery Project of M/s Hindalco Industries

SABIK LAND STATUS AS ON 25/10/1980														
Sl. No.	Khata No.	Status	Plot No.	HAL STATUS			Name of the Beneficiary	Khata No.	Status	Plot No.	Total		Kisam	Remark
				Area In Ac.	Acquired Area In Ac.	Ac.								
1) Village - Panchali														
1	255	Rakhita	1630	0.85	0.18	Gramya Jungle	Govt.	103	AJA	101/1076	0.82	0.18	Dangara	
		Total										0.18		
2) Village - Punjiguma														
3) Village - Toyaput														
1	36		208(P)	0.22	0.07	Gramya Jangle	Govt.	5	AJA	98 (P)	17.87	0.07	Pathar Chalana	
2	36		185(P)	8.25	0.65	Gramya Jangle	Govt.	13/13	Data aji, S/o S. Majhi	97/146	0.12	0.65	Ata Ujhari	
3									97/147	1.43			Ata Ujhari	
4									97/148	0.41			Ata Ujhari	
5								13./12	Daimdar Majhi, S/o J. Majhi	97/143	0.03		Ata Ujhari	
6	36		186(P)	6.00	0.74	Gramya Jangle	Govt.	6./1	Rakhita	97/133		0.74	Booda Jungle	
		Total										1.46		
4) Village - Kapadanga														
1	32		256	7.69	0.40	Gramya Jungle	Govt.	5	Ghalla Paraja, S/o M. Paraja	96(p)	0.35	0.40	Bori pari	
		Total										0.40		
5) Village - Sankarda														
6) Village - Kansariguda														
1	330	Rakhita	8	0.77	0.77	Gramya Jungle	Govt. of Orissa	208		230(p)	1.65	0.77	Gochar	
2	330	Rakhita	12	1.22	1.22	Gramya Jungle	Govt. of Orissa	208		237	1.13	1.22	Gramya Jungle	
3	330	Rakhita	17	0.39	0.39	Gramya Jungle	Govt. of Orissa	208		302	0.3	0.39	Gramya Jungle	
4	330	Rakhita	34	0.22	0.22	Gramya Jungle	Govt. of Orissa	208		300	0.22	0.22	Gramya Jungle	
5	330	Rakhita	61	0.22	0.22	Gramya Jungle	Govt. of Orissa	208		492	0.27	0.22	Gramya Jungle	
6	330	Rakhita	65	0.04	0.04	Gramya Jungle	Govt. of Orissa	208		496(p)	0.1	0.04	Gramya Jungle	
7	330	Rakhita	66	0.05	0.05	Gramya Jungle	Govt. of Orissa	208		496(p)	0.1	0.05	Gramya Jungle	
8	330	Rakhita	104	0.69	0.69	Gramya Jungle	Govt. of Orissa	208		509	0.8	0.69	Gramya Jungle	
9	330	Rakhita	113	0.17	0.17	Gramya Jungle	Govt. of Orissa	208		517(p)	0.27	0.17	Gramya Jungle	
10	330	Rakhita	114	0.10	0.10	Gramya Jungle	Govt. of Orissa	208		517(p)	0.10	0.10	Gramya Jungle	
11	330	Rakhita	121	0.12	0.12	Gramya Jungle	Govt. of Orissa	208		519	0.12	0.12	Gramya Jungle	
12	330	Rakhita	124	0.27	0.27	Gramya Jungle	Govt. of Orissa	208		521	0.19	0.27	Gramya Jungle	

Atal Bihari Vajpayee
Minister, Ministry of Environment & Forests
Government of India

Mr. Ramchandra Inamdar
Forest Officer
Rayagada District

Mr. Inspector
Forest Officer
Rayagada District

HAL STATUS														SABIK LAND STATUS AS ON 25/10/1980				
Sl. No.	Khata No.	Status	Plot No.	Total Area In Ac.	Acquired Area In Ac.	Kisam	Name of the Beneficiary	Khata No.	Status	Plot No.	Total Area In Ac.	Acquired Area In Ac.	Kisam	Remark				
7) Village - Kindripadar																		
1	17		26	0.41	0.35	Patra jungle	Govt. of Odisha	11/5	Madhu Halba, S/o D. Halba	24(p)	0.48	0.35	Ata Ulhari					
				Total								0.35						
8) Village - Kansarguda (P)																		
1	28	Rakhita	170(P)	0.38	0.02	Gramya Jangle	Govt. of Odisha	12		706(P)	0.95	0.02	Mala Mamuli					
2	28	Rakhita	231(P)	7.25	0.35	Gramya Jangle	Govt. of Odisha	125/1A		463	16.69	0.35	Ata Mamuli					
3	16		166(P)	1.55	0.12	Atta	Bhaskar patra	208		729(P)	1.15	0.12	Gramya Jungle					
				Total								0.49						
9) Village - Podapadi																		
10) Village - Puhundi																		
1	389	Rakhita	274	0.18	0.18	Gramya Jungle	Govt. of Odisha	208	Rakhita	89	0.18	0.18	Ghasa Padia Gramya Jungle					
2	389	Rakhita	708	0.10	0.10	Gramya Jungle	Govt. of Odisha	208	Rakhita	939	0.13	0.10	Ghasa Padia Gramya Jungle					
3	389	Rakhita	783	0.28	0.28	Gramya Jungle	Govt. of Odisha	208	Rakhita	111 (P)	0.28	0.28	Ghasa Padia Gramya Jungle					
				Total								0.56						
11) Village - Puljuba																		
		Sub Total											30.800 or 12.465 ha.					

1) Village - Sankarada RF														
1							Govt. of Odisha					1.1	or	
2) Village - Kindripadar RF														
1							Govt. of Odisha					4.94	or 2.444 ha.	
Sub Total														6.04
Grand Total														36.840 or 14.909 ha.


Tahasildar Kashipur
 Dist. Ravagada


Forester
 Sankarada Section


Revenue Inspector
 Revenue Section
 Puhundi


Forest Range Officer
 Tiki Range, Tiki



SABIK LAND STATUS AS ON 25/10/1980														
Sl. No.	HAL STATUS					SABIK LAND STATUS AS ON 25/10/1980					Remark			
	Khata No.	Status	Plot No.	Total Area in Ac.	Acquired Area in Ac.	Kisam	Name of the Beneficiary	Khata No.	Status	Plot No.		Total Area in Ac.	Acquired Area in Ac.	Kisam
13	330	Rakhita	130	0.53	0.53	Gramya Jungle	Govt. of Orissa	208		739(p)	2.23	0.53	Gramya Jungle	
14	330	Rakhita	133	1.48	1.48	Gramya Jungle	Govt. of Orissa	208		739(p)		1.48	Gramya Jungle	
15	330	Rakhita	162	0.44	0.44	Gramya Jungle	Govt. of Orissa	208		730	0.59	0.44	Gramya Jungle	
16	330	Rakhita	163	0.56	0.56	Gramya Jungle	Govt. of Orissa	208		729(p)	1.15	0.56	Gramya Jungle	
17	330	Rakhita	166	0.70	0.70	Gramya Jungle	Govt. of Orissa	208		729(p)		0.70	Gramya Jungle	
18	330	Rakhita	181	0.10	0.10	Gramya Jungle	Govt. of Orissa	208		693	0.14	0.10	Gramya Jungle	
19	330	Rakhita	523	0.20	0.20	Gramya Jungle	Govt. of Orissa	208		365(p)	0.31	0.20	Gramya Jungle	
20	330	Rakhita	524	0.16	0.16	Gramya Jungle	Govt. of Orissa	208		365(p)		0.16	Gramya Jungle	
21	330	Rakhita	532	0.07	0.07	Gramya Jungle	Govt. of Orissa	208		396	0.17	0.07	Gramya Jungle	
22	330	Rakhita	534	0.14	0.14	Gramya Jungle	Govt. of Orissa	208		546	0.11	0.14	Gramya Jungle	
23	330	Rakhita	540	0.15	0.15	Gramya Jungle	Govt. of Orissa	325/177		590	0.89	0.15	Bahal pari	
24	330	Rakhita	561	2.00	2.00	Gramya Jungle	Govt. of Orissa			638/1638(p)		2.00		
25	330	Rakhita	566	0.80	0.80	Gramya Jungle	Govt. of Orissa	208		638/1638(p)	5.81	0.80	Gochar	
26	330	Rakhita	567	1.33	1.33	Gramya Jungle	Govt. of Orissa			638/1638(p)		1.33		
27	330	Rakhita	631	0.10	0.10	Gramya Jungle	Govt. of Orissa	208		567	0.1	0.10	Gramya Jungle	
28	330	Rakhita	639	0.10	0.10	Gramya Jungle	Govt. of Orissa	208		595	0.12	0.10	Gramya Jungle	
29	330	Rakhita	643	0.36	0.36	Gramya Jungle	Govt. of Orissa	208		352	0.27	0.36	Gramya Jungle	
30	330	Rakhita	881(P)	0.16	0.09	Gramya Jungle	Govt. of Orissa	208		1532	0.16	0.09	Gramya Jungle	
31	330	Rakhita	876(P)	0.23	0.18	Gramya Jungle	Govt. of Orissa	208		1531	0.23	0.18	Gramya Jungle	
32	333	AJA	902(P)	24.38	1.95	Parbat	Govt. of Orissa			Unsurvey		1.95		
33	333	AJA	1481(P)	28.75	0.11	Parbat	Govt. of Orissa			Unsurvey		0.11		
34	333	AJA	1482(P)	15.00	0.77	Parbat	Govt. of Orissa			Unsurvey		0.77		
35	333	AJA	1489(p)	40.75	1.92	Parbat	Govt. of Orissa			Unsurvey		1.92		
36	333	AJA	1519(P)	21.75	3.37	Parbat	Govt. of Orissa			Unsurvey		3.37		
37	333	AJA	1520(P)	17.00	0.70	Parbat	Govt. of Orissa			Unsurvey		0.70		
38	333	AJA	1522(P)	22.50	2.37	Parbat	Govt. of Orissa			Unsurvey		2.37		
39	333	AJA	1523(P)	28.63	0.95	Parbat	Govt. of Orissa			Unsurvey		0.95		
40	330	Rakhita	616	0.08	0.08	Gochar	Govt. of Orissa	208		563	0.06	0.06	Gramya Jungle	
41	330	Rakhita	1290	0.20	0.20	Gochar	Govt. of Orissa	208		659(p)	0.34	0.20	Gramya Jungle	
42	330	Rakhita	1291	0.19	0.19	Gochar	Govt. of Orissa					0.19	Gramya Jungle	
43	330	Rakhita	1295	0.27	0.27	Gochar	Govt. of Orissa	208		657	0.27	0.27	Gramya Jungle	
44	333	AJA	606	0.70	0.70	Nala	Govt. of Orissa	208		61(p)	0.22	0.70	Gramya Jungle	
45	330	Rakhita	962(P)	0.57	0.05	Gochar	Govt. of Orissa			1361(p)		0.05	Gramya Jungle	
Total												27.36		

Officer Rayagada
Tahsildar Khamrupur
Sankarajada Section

Area Inspector
Mr. Ravindra Kumar
Forest Officer
Tikiri Kungo, Tal. B.



Joint verification report of Revenue forest land occurring inside the Refinery Project of M/s Hindalco Industries at Kansariguda by Forest and Revenue officials.

Joint verification of 23.153 ha. of Revenue forest land occurring inside the Refinery Project (Koraput district portion) and related ancillaries of M/s Hindalco Industries of Aditya Aluminium by the following Forest and Revenue Officers

Revenue Deptt.	: 1) Mr. Gupta Prasad Nayak	Revenue Inspector, Laxmipur
	2) Bhaskar Paraja	Revenue Inspector, Kutinga
Forest Deptt.	: 1) Mr. Kumar Khora	Range Officer, Laxmipur
	2) Mr. Keshi Sahu	Forester, Laxmipur
Hindalco Industries	: 1) Mr. Sanjit Patel	<i>Asst. Manager</i>

We conducted the joint verification of 8 nos. of Revenue forest plots having total forest area to extent of 23.153 ha. in village Biriguda, Rajanpanasaguda & Singaram jointly as per the authenticated land schedule and Index map with geo coordinates prepared during DGPS survey, related village sheets showing forest area and pillar posting done by Hindalco Industries in the field and found to be correct. We also enclosed separate sheets extracted from the authenticated land schedule showing the ROR and area of forest land in Ac./Ha. village wise and plot wise after authentication by all of us.

We also authenticated the land schedule duly authenticated by Tahasildar, Laxmipur comprising of both forest and non-forest land and related cadastral sheets of 5 villages. Certified that the Revenue forest land is free from encroachment and other encumbrances.

[Signature]
Revenue Inspector
Laxmipur

[Signature]
RANGE OFFICER
LAXMIPUR

[Signature]
Revenue Inspector
KUTTINGA

[Signature]
TAHASILDAR
LAXMIPUR

[Signature]
HINDALCO INDUSTRIES LIMITED
Aditya Aluminum Project
Village- Kansariguda
Rayagada & Koraput

**Joint verification report of Revenue forest land occurring inside the
Refinery Project of M/s Hindalco Industries at Kansariguda
by Forest and Revenue officials.**

Joint verification of 12.465 ha. of Revenue forest land occurring inside the Refinery Project and related ancillaries of M/s Hindalco Industries of Aditya Aluminium Rayagada district portion by the following Forest and Revenue Officers on dated 30.11.2021

Revenue Deptt.	: 1) <u>Ashok Kumar Bauri</u>	Revenue Inspector, Tikiri
	2) <u>Sri Nilas Ranjan Das</u>	Revenue Inspector, Podapadi
Forest Deptt.	: 1) <u>Mr. Lakshyapati Mahto</u>	Range Officer, Tikiri
	2) <u>Mr. MEENAKSHAN KUMAR</u>	Forester
Hindalco Industries	: 1) <u>Mr. Sanjit Patel</u>	

We conducted the joint verification of 60 nos. of Revenue forest plots having total forest area to an extent of 12.465 ha. including plot No. 902 (P), 1481 (P), 1482 (P), 1488 (P), 1519 (P), 1520 (P), 1522 (P), and 1523 (P) under khata No. 333 in mouza Kansariguda included in Kodinga PRF notified by Revenue Deptt. vide No. 28563-F-S-18/68 dt. 05.06.1968 comprising an area of 12.14 Ac. or 4,913 ha. & in village Panchali, Toyatput, Kapadanga, Kansariguda, Kindripadar, Kansariguda (W.Pipeline) & Puhundi jointly as per the authenticated land schedule and Index map with geo coordinates prepared during DGPS survey, related village sheets showing forest area and pillar posting done by Hindalco Industries in the field and found to be correct. We also enclosed separate sheets extracted from the authenticated land schedule showing the ROR and area of forest land in Ac./Ha. village wise and plot wise after authentication by all of us.

We also authenticated the land schedule duly authenticated by Tahasildar, Kasipur comprising of both forest and non-forest land and related cadastral sheets of 11 villages. Certified that the Revenue forest land is free from encroachment and other encumbrances.

[Signature]
Revenue Inspector,
Podapadi, Kasipur Tahasil.

[Signature]
Range Officer, Tikiri Range,
Rayagada Forest Division,
Tikiri Range, Tikiri

[Signature]
Revenue Inspector,
Tikiri RI circle, Kasipur Tahasil.

Revenue Inspector
Tikiri

[Signature]
HINDALCO INDUSTRIES LIMITED
Aditya Alumina Refinery Project
Kansariguda, Rayagada

Statement of forest area in Sankarda RF and Kindripadar RF in Tikiri Forest Range under Rayagada Forest Division coming under Water Pipeline Corridor of Refinery Project of M/s Aditya Aluminium Limited (Hindalco Industries Limited) at Kansariguda jointly verified by Forest and Revenue officials,

1. Sankarda RF	:	1.10 Ac. or 0.445 ha.
2. Kindripadar RF	:	4.94 Ac. or 1.999 ha.
Total		6.04 Ac. or 2.444 ha.

The area inside above reserve forests to the extent of 6.04 Ac. for 2.444 ha. has been jointly verified by us on dated 30.11.2021 in the field with reference to RF pillars, village boundary and pillars posted by Hindalco Industries.


Revenue Inspector
Podapadi
Kasipur Tahasil


Range Officer
Forest Range Officer
Tikiri Range
Rayagada Forest Division


Revenue Inspector
Tikiri, Kasipur Tahasil
Revenue Inspector


Forester
Kansariguda


HINDALCO INDUSTRIES LIMITED
Aditya Aluminium Refinery Project
Kansariguda, Rayagada

Annexure-V

Geo coordinates of boundary pillars of CA land at Pipalpadar village

SL NO	POINT_ID	EASTING	NORTHING	LATITUDE	LONGITUDE	DISTANCE(M)
1	P-1	727107.92	2115179.425	19 07 01.341728	83 09 32.066091	28.44
2	P-2	727212.43	2115179.781	19 07 01.311338	83 09 35.640886	93.43
3	P-3	727331.495	2115180.042	19 07 01.272005	83 09 39.713485	121.44
4	P-4	727433.255	2115180.194	19 07 01.236029	83 09 43.194133	112.12
5	P-5	727434.072	2115213.279	19 07 02.311376	83 09 43.236069	35.44
6	P-6	727525.403	2115214.239	19 07 02.305869	83 09 46.360327	82.56
7	P-7	727639.587	2115216.129	19 07 02.321369	83 09 50.266668	113.94
8	P-8	727709.066	2115216.914	19 07 02.318929	83 09 52.643456	81.25
9	P-9	727709.931	2115182.468	19 07 01.198687	83 09 52.658461	34.01
10	P-10	727748.887	2115181.636	19 07 01.155969	83 09 53.990553	43.55
11	P-11	727780.153	2115077.955	19 06 57.772497	83 09 55.016039	109.07
12	P-12	727860.988	2114982.545	19 06 54.638009	83 09 57.470447	123.19
13	P-13	727831.614	2114968.139	19 06 54.181464	83 09 56.729677	28.42
14	P-14	727860.551	2114865.745	19 06 50.840786	83 09 57.676038	101.63
15	P-15	727882.066	2114780.375	19 06 48.056587	83 09 58.375737	92.56
16	P-16	727806.632	2114661.429	19 06 44.219801	83 09 55.745324	149.46
17	P-17	707718.135	2114525.7	19 06 39.842583	83 09 52.661012	161.74
18	P-18	727646.055	2114408.302	19 06 36.054759	83 09 50.146011	127.05
19	P-19	727589.694	2114513.092	19 06 39.484329	83 09 48.262682	122.31
20	P-20	727537.911	2114603.685	19 06 42.450518	83 09 46.529886	105.57
21	P-21	727489.212	2114688.403	19 06 45.224442	83 09 44.900052	98.3
22	P-22	727436.442	2114780.371	19 06 48.235715	83 09 43.134079	103.31
23	P-23	727333.994	2114779.955	19 06 48.263369	83 09 39.629867	114.81
24	P-24	727169.285	2114779.298	19 06 48.308137	83 09 33.996013	165.3
25	P-25	727053.23	2114778.86	19 06 48.340475	83 09 30.023696	100.6
26	P-26	727072.66	2114879.192	19 06 51.594679	83 09 30.733317	104.05
27	P-27	727104.185	2115041.819	19 06 56.869370	83 09 31.880232	167.67
28	P-28	727126.932	2115159.931	19 07 00.700288	83 09 23.708145	123.75

T. HASILBAR
TAXMIPUR



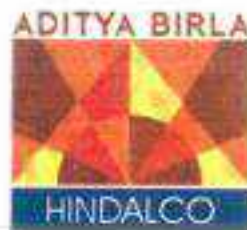
Asst. Conservator of Forests
Koraput Forest Division
CORPUS

Divisional Forest Officer
Koraput Forest Division

ANNEXURE – 10 C







Annexure-11

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd., do hereby undertake that, the legal status of forest land proposed for diversion shall remain unchanged.

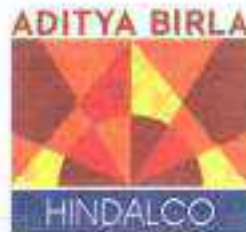
For Hindalco Industries Ltd.

(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH1998PLC01231



Annexure-12

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd., do here by undertake that Compensatory afforestation will be raised over 38.50 ha of non-forest land identified in Plot No.72, 73, 74 & 3, Khata No.76 of Kisam-Pahar of village Pipalpadar Laxmipur Tahasil under Koraput Forest Division within two years from the date of Stage-II Clearance and maintained thereafter by the State Forest Department, at the project cost.

For Hindalco Industries Ltd.

(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

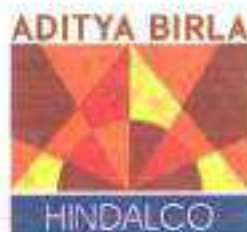
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Corporate ID No. L27020MH1958PLC011238



Annexure-13

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd., do hereby undertake that Additional compensatory afforestation will be raised over 22 ha degraded forest land identified in Hatimali DPF under Laxmipur Range of Koraput Forest Division within two years from the date of Stage-II Clearance as per approved plan/scheme and maintained thereafter by the State Forest Department from the funds deposited by us in CAMPA account

For Hindalco Industries Ltd.

(Dr. Rama Chandra Rout)
Authorized Signatory

A circular blue ink stamp of Hindalco Industries Ltd. is placed over the signature. The outer ring of the stamp contains the text "HINDALCO INDUSTRIES LTD." and the inner part contains "BHUBANESHWAR".

Hindalco Industries Limited

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Corporate ID No. L27020MH1958PLC011238



Annexure -14

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd., do hereby undertake that the species to be planted under the CA and Additional CA schemes will be of native species of the area. At least 18-month-old seedlings would be planted. Intensive monitoring of the plantation would be done and documented using Geo tagging so that the increase of canopy density and survival and growth of plantation can be evaluated at regular intervals.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory

Hindalco Industries Limited

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Corporate ID No. L27020MH1758PLC01238



Annexure -15

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd., do hereby undertake to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

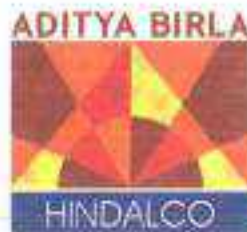
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Corporate ID No. L27020MH19958PLC011238



Annexure -16

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd., we undertake that only 10.156 ha of forest land which is Revenue forest would be considered for diversion to include in the identified 204.579 ha of land for Red Mud Pond and the other forest area of 12.162 ha within the identified periphery of Red Mud Pond will be developed as green belt.

For Hindalco Industries Ltd.



(Dr. Rama Chandra Rout)
Authorized Signatory

Hindalco Industries Limited

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Corporate ID No. L27020MH19582PLC011238



Annexure-17

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do we undertake that the forest area of 2.356 ha proposed for bauxite handling and 0.392 ha for coal storage will be developed as green belt.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

1-6, Jaydev Vihar Bhubaneswar - 751013, Odisha, India

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Corporate ID No. L27020MH1958PLC01238



Chapter 13 – Red Mud and Ash Pond Management

Red Mud is the process waste which is generated during the extraction of Alumina from Bauxite through Bayer's process. The red mud is generated after red mud separation through clarification by High Rate Decanters followed by mud washing in Deep Cone Washers. Small quantities are generated as descaled material from the process vessels in Pre-deslucation, Digestion, High Rate Decanters, Deep Cone Washers, Liquor Causticisation, Caustic Pond, Guard Pond & Sedimentation Chamber of Bauxite Stacking/Reclaiming area. Based on the rate of production (of alumina), red mud of about 51,00,000 TPA will be generated, which will be disposed to red mud pond and will be used for cement making and back filling.

Similarly, ash is the second major product as a by-product of power generation with coal in the co-generation power plant. Based utilization of indigenous coal to with around 41–45% ash content and the requirement of coal input for the power plant, 5,84,000 TPA of ash (Fly Ash + Bottom ash) will be generated, which will be sent to the ash pond will be sent to filling of the low-lying lands voids filling and, brick manufacturing and/or cement industry based on suitability. The utilization of fly ash will be carried out as per the MoEF&CC Notification on 14th September, 1999 and its subsequent amendments.

A greenbelt area of average 50-m width has been proposed around the ash pond and the red mud pond areas and within the respective boundaries.

The handling management technology to be implemented for ash and red mud management by HIL-AARP is explained in the following sub-sections.

13.1 Red Mud Management

HIL-AARP will adopt the state-of-the-art Red Mud Filtration technology where the red mud slurry will be passed through the pressure-filter unit with specific process to form red mud cake, so that the moisture content of the red mud gets reduced to around 20-25% (max.) from the 50% level as in the case of High Concentration Slurry Disposal (HCSD) systems, resulting in the decrease in area requirement for red mud storage.

13.1.1 Red Mud Storage

About 4.08 MTPA (Dry Mud Generation = $1.36 \text{ t/t} \times 3 \text{ MTPA} = 4.08 \text{ MTPA}$, dry basis) of red mud will be generated annually. Considering 20% moisture in the mud bed; the red mud generation (wet basis) will be about 5.1 MTPA ($1.7 \text{ T/T} \times 3 \text{ MTPA} = 5.1 \text{ MTPA}$). Red mud management system shall be combined through thickened tailing pumping technique of Alcan. This shall be pumped off by GEHO pumps (high pressure positive displacement pumps) to the Red Mud Filtration Area. The Red Mud Filtration technology using high-pressure plate and frame with membrane filters shall be installed for filtration and stacking of dry red mud cake at 75% solids through a set of conveyors directly to the pond.

Mechanical dozers and excavators shall be used to spread and stack the dry red mud in the pond with continuous compaction so as to reduce land usage by 20-30%. The filtrate of the unit is again pumped back to the Alumina plant for reusing in the mud washing process. An area covering 185 ha has been dedicated for this purpose. All filtrate & surface run-off water from the Red mud pond will be collected and pumped back into the Alumina Plant.

13.1.2 Red Mud Storage

Considering the proposed plant as 30 years, the year wise Red Mud generation is given in Table below. Further, as the plant will be constructed & operated in phases and keeping in view of the future bulk utilisation of the Red Mud in mine back-filling and road constructions, post successful pilot at Utkal Alumina Refinery, the area requirement has been reduced.

Table 13.1 – Calculation of Red Mud Generation

Year	Year	Cumulative Year	Calcined Alumina (MT)	Red Mud (MT)	Cumulative Red Mud (MT)
1	2026-2027	1	1000000	1700000	1700000
2	2027-2028	2	1000000	1700000	3400000
3	2028-2029	3	2000000	3400000	6800000
4	2030-2031	4	2000000	3400000	10200000
5	2031-2032	5	2000000	3400000	13600000
6	2032-2033	6	3000000	5100000	18700000
7	2033-2034	7	3000000	5100000	23800000
8	2034-2035	8	3000000	5100000	28900000
9	2035-2036	9	3000000	5100000	34000000
10	2036-2037	10	3000000	5100000	39100000
11	2037-2038	11	3000000	5100000	44200000
12	2038-2039	12	3000000	5100000	49300000
13	2039-2040	13	3000000	5100000	54400000





Year	Year	Cumulative Year	Calcined Alumina (MT)	Red Mud (MT)	Cumulative Red Mud (MT)
14	2040-2041	14	3000000	5100000	5500000
15	2041-2042	15	3000000	5100000	6460000
16	2042-2043	16	3000000	5100000	6970000
17	2043-2044	17	3000000	5100000	7480000
18	2044-2045	18	3000000	5100000	7990000
19	2046-2047	19	3000000	5100000	8500000
20	2047-2048	20	3000000	5100000	9010000
21	2048-2049	21	3000000	5100000	9520000
22	2049-2050	22	3000000	5100000	10030000
23	2050-2051	23	3000000	5100000	10540000
24	2051-2052	24	3000000	5100000	11050000
25	2052-2053	25	3000000	5100000	11560000
26	2053-2054	26	3000000	5100000	12070000
27	2054-2055	27	3000000	5100000	12580000
28	2055-2056	28	3000000	5100000	13090000
29	2056-2057	29	3000000	5100000	13600000
30	2057-2058	30	3000000	5100000	14110000
GRAND TOTAL			83000000	141100000	
DESIGN DETAILS OF RED MUD POND					
Total mud generation			141100000	T	
Density of red mud			2.9	T/m³	
Mud generation volume			48655172.41	m³	

Source: HLL

Till Phase-II (2 MTPA Alumina production), 185 ha of land shall be utilized and in the third phase Red Mud will be utilized for mines void back filling, road construction based on approval and cement making. Hence the land requirement reduced from 210 ha to 185 ha. The area requirement is calculated as shown in Table below.

Table 13.2 – Area requirement for Red-Mud Generation

#	Particulars	UoM	Total Area Requirement
1	Area required for Mud Management	Ha	123
2	Additional land (considering 20% for access roads, bunds)	ha	30
3	Area required for Red Mud Filtration Plant, Conveyor corridors.	Ha	4
4	Water management through rain run-off water and filtrate collection pond	Ha	28
Total Land Requirement		ha	185
Greenbelt around Red Mud Pond		Ha	81

13.1.3 Red Mud Utilization Plan

Effort is being made by all for sustainable utilization of the red mud through research projects and pilot studies as follows:

- Hindalco is working on backfilling pilot as per MoEF&CC approval along with IIT, Bombay and NEERI and expected completion is by May 2023 with assessments by MoEF&CC, CPCB & OSPCB;
- Joint project with IIT Bombay and Argus Concrete Solutions, Chennai done, 2 no pilot roads are ready. Now working with CRRI, Delhi for meeting and qualifying MoRTH, MoRD criteria for use in public road construction; and
- Internal Road making – Pilot Road construction completed in consultation with IIT Bombay and M/s Argus Solutions, One Hybrid Road was made by combining these two types of Roads. This pilot project completed successfully. The road constructed by IIT Bombay and Hindalco has been patented.
- External Road making – Laboratory scale experiments have been completed successfully by Central Road Research Institute (CRRI), Delhi and Indian Road Congress (IRC) has issued accreditation for using Red Mud in road construction. Pilot project in a 1-Km patch of road under NHAI near Koraput is under construction Once the NHAI road and other uses in embankments are established by CRRI and accredited by IRC after the pilot studies, the Red Mud will be used in Road making outside the boundary.
- Utilization in Cement plants – The Refinery plant being remotely located, Logistics to long distance cement plants are a challenge and Utilization in cement plants not feasible at present. However, feasibility for utilization in future will be explored under the active support from Railways and other authorities.
- Joint projects with ABSTC for Concrete, Fly ash bricks, Red Mud & Fly ash bricks and Paver blocks are in progress.



Table 13.3 – Red Mud Utilization Study by ABG Group

#	Area	Project details	Collaborations, if any
1	Geo-polymerization - for Construction Applications	Development of Geopolymers along with fly ash other solid wastes for construction applications and field demonstration	IIT Bombay
2		Development of Paver Blocks from BR & Fly ash and other additives and field demonstration	National Metallurgical Laboratory (NML), Jamshedpur
3	Cement Application	R&D Project on enhancement of utilization of Red Mud in development of new Type of Cement	Cement Industries
4	Value Recovery	High value recovery – Iron & Titanium powder and Rare Earth Elements (REE) – Technology scanning and selection.	Nit. Aayog, Govt of India, CSIR Labs and JNARDDC Nagpur
5	Neutralization with weak acid	Neutralization with BR/RM with weak acid or CO ₂ for its different usage and safe disposal.	IIT Bombay and Chemical Industries
6	Recovery of Iron from Red Mud	Pelletisation of red mud, reduction roasting followed by magnetic separation.	IMMT, Bhubaneswar
7	Back filling of red mud in bauxite mines void at Baphimal mines	Pilot project for back filling of red mud in void bauxite. Baphimal mines. It is in progress	NEERI, Nagpur
8	Pilot project on utilization of Red Mud in road constructions	Pilot project for utilisation of Red Mud in NHAI road construction is under progress near Koraput with active technical support by CRRI and IMMT experts.	CSIR – CRRI and CSIR – IMMT.
9	Afforestation of degraded forest lands through abandoned Mine Backfilling	Study on use of Red Mud for abandoned Mine Backfilling and development of Green Belt and field demonstration	IIFM, Bhopal; IIT Varanasi and others

Subject to success of all the above, the required land will be proportionately reduced. The time-bound utilization plan of red mud based on above studies is given in Table below:

Table 13.4 – Red-Mud Utilization (Proposed)

#	Activities	Time Target
1	Red mud Storing in a pond till mines void back filling	From 5 years of running of plant
2	10 % Use of red mud for Road making	IIT, Bombay pilot done by FY 2020, Joint project with CRRI and IMMT for public road under progress and after getting all clearances and successful pilot trial.
3	Back filling in bauxite mines void through HCSD (High Concentration Slurry Disposal) system and putting press filter at the top of the mines.	After getting all clearances & post successful pilot.
3	10% for cement making	Currently all three Hindalco (Muri, Renukoot, Belagavi) refineries are meeting dinker requirement of 40+ cement plants in the country. Cement plants are far away >500 km from Utkal and this new project.
5	Backfilling in bauxite mine void through HCSD (High Concentration Slurry Disposal) system and putting press filter at the top of the captive mines.	After getting all clearances & post successful pilot studies.

13.2 Ash Management

13.2.1 Ash Generation

Fly ash amounting to 1,40,16,000 T and bottom ash of about 35,04,000 T will be produced and hence needs to be stored in the proposed ash pond. The year-wise ash generation based on indigenous coal to be used in the co-generation power plant with around 41-45% ash content and percentage utilization is given in Table below:



Table 13.5 – Ash generation during life of Plant

Cumulative Year	Fly ash (T)	Utilization %	Remarks	Bottom (T)	Utilization %
1	467200	0		116800	To be stored
2	467200	0		116800	To be stored
3	467200	0		116800	To be stored
4	467200	0		116800	To be stored
5	467200	100		116800	To be stored
6	467200	100		116800	To be stored
7	467200	100		116800	To be stored
8	467200	100		116800	To be stored
9	467200	100		116800	To be stored
10	467200	100		116800	To be stored
11	467200	100		116800	To be stored
12	467200	100		116800	To be stored
13	467200	100		116800	To be stored
14	467200	100		116800	To be stored
15	467200	100	Can be stacked at site in Ash Pond (1868800 T)	116800	To be stored
16	467200	100		116800	To be stored
17	467200	100		116800	To be stored
18	467200	100		116800	To be stored
19	467200	100		116800	To be stored
20	467200	100		116800	To be stored
21	467200	100		116800	To be stored
22	467200	100		116800	To be stored
23	467200	100		116800	To be stored
24	467200	100		116800	To be stored
25	467200	100		116800	To be stored
26	467200	100		116800	To be stored
27	467200	100		116800	To be stored
28	467200	100		116800	To be stored
29	467200	100		116800	To be stored
30	467200	100		116800	To be stored
Total by end of the life of the plant	14016000		1868800	3504000	To be stored

Total Ash generation at the end of the life of plant is 1,75,20,000 T in 30 years

13.2.2 Utilization Plan

100% Fly ash will be utilized by dispatching to cement plants, road making and brick manufacturing and other allied uses. The bottom ash usage remains as a challenge, while Hindalco is working with IIT, NIT and ABSTC for various applications for use. We will use the option to fill bottom ash in low-lying area filling by following the procedures laid down in the CPCB & SPCB guidelines. The time-bound overall utilization plan of ash generated during the life of mine is given in Table below:

Table 13.6 – Ash Utilization Plan

Sr. No.	Utilization Method	Percentage Utilization	Time period
1	Brick Making	5%	After Phase-I and continuous thereafter
2	Cement Making	25%	After Phase-I and continuous thereafter
3	Road construction, Back filling in mines void, Ravine filling, low lying filling.	60%	Always
4	Storing in Pond (Bottom Ash)	20%	Always and use in low-lying area filling and void filling etc.



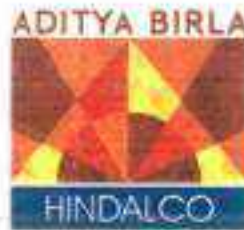
13.2.3 Ash Pond Design

The detailed design of the ash pond based on the total generation of ash during the life of plant is given below:

Table 13.7 – Design Details of Ash Pond

Total Ash and Bottom Ash Generation	17520000 T in 30 years
Total Ash to be stored in Ash pond	53,72,800 T
Density of ash	1.5 T/m ³
Ash storage volume	3581867 m ³
Assuming Height of Ash pond as 30 m, the Total Land requirement for the Ash Pond is given below:	
Area required for ash Management for Part 1 & 2 compartment @ 7.5 ha	15 ha
Additional land (considering 19% for roads, bunds), garland drains etc.	10 ha
Water management for water collection ponds	20 ha
Total Land Requirement	45 ha
Greenbelt around Ash Pond	25 ha



Annexure-19

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd., do hereby undertake that we will follow the CPCB/SPCB guidelines for Red Mud Pond, leaching proof of red mud pond will be ensured.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



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HYDRO-GEOLOGIC STUDY REPORT

M/S HINDALCO INDUSTRIES LIMITED
At- Kansariguda, District- Rayagada,
Odisha



Prepared By:

ACS

Ardra Consulting Services (P) Ltd



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CHAPTER-1

INTRODUCTION

Water has many distinct properties that are critical for the proliferation of life. It carries out this role by allowing organic compounds to react in ways that ultimately allow replication. All known forms of life depend on water. Water is vital both as a solvent in which many of the body's solutes dissolve and as an essential part of many metabolic processes within the body. Due to meteoric growth of population and development has led to the exploitation of the resource result in over use of both surface and ground water. Surface water is limited and subject to evaporation losses and possible contamination. Ground water does not suffer from these disadvantages. Ground water plays a vital role in catering to a lion's share of the total water requirement of the country. Its use has gained increasing popularity over the year because of its ubiquitous nature of occurrence and easy accessible to the resource. As drilling technology has improved so ground water based structure has been increased. However exploration of ground water is best with considerable problem. In the present context, where due to the diminishing ground water conditions, the usage of GW for any Industrial purpose is strictly prohibited and alternative of water harvesting techniques are to be adopted in order to tap the runoff water.

1.1 BACKGROUND

Hindalco Industries Limited, a flagship company of the Aditya Birla Group, is an industry leader in aluminium and copper in Asia. Hindalco ranks among the global top five aluminium majors, as an integrated producer with low- cost alumina and aluminium facilities combined with high- end rolling capabilities and one of the biggest producers of primary aluminium in Asia. Its copper smelter is the world's largest custom smelter at a single location. Its combined turnover of US\$ 18 billion, places it in the fortune 500 league. Hindalco was incorporated in 1958 and are listed on the Indian Stock Exchanges since 1958 and on the Society de la Bourse de Luxembourg since 1993.

In the copper business, Hindalco is a custom smelter and are partially integrated with upstream copper mines. Hindalco's Birla Copper Unit is the world's largest single location custom copper smelter with 500,000TPA capacity.

Hindalco has alumina refining capacity of 2,800,000 TPA located at Renukoot, UP; Muri, Jharkhand; Belagavi, Karnataka and Doraguda, Odisha. It is also the largest producer of primary aluminium with a capacity of 1,270,000 TPA located at



Renukoot, UP; Mahan, MP; Hirakud and Lapanga, Odisha. The requirement of power for all the locations is met by Hindalco's Captive power Plants except Belagavi. A significant portion of Hindalco's sales come from value-added products. This is in line with our 'market-grower' philosophy. Hindalco has introduced numerous new products in the Indian market. Novelis is wholly owned subsidiary of Hindalco with best in class capabilities in aluminium value-added product. Aleris has been recently acquired by Hindalco with footprints in high-end aerospace segments.

Hindalco is currently embarking on a growth plan designed to make it a global-sized, globally competitive metals producer. In their aluminium business, their competitive strengths include globally competitive cost structure, fully integrated operations, cost effective access to abundant supply of quality raw materials and domestic market leadership.

Towards realizing their vision of attaining global size and further improve their cost competitiveness in the global aluminium industry, Hindalco is embarking on several expansions at their existing facilities and Greenfield projects. These include

- Ongoing Brownfield Expansion of existing facilities at Utkal Alumina is (500,000 TPA capacity expansion – Project Suryaprabha)
- Greenfield alumina project in Odisha including Bauxite Mining; 9 million TPA, Alumina Refinery 3 million TPA as a part of Aditya Aluminium.

Odisha having the highest reserve with the best quality bauxite in the country, Hindalco plans to add further capacity of Alumina refinery. Presently, a state of the art alumina refinery, Utkal Alumina International Limited is operational in Doraguda, Odisha. It has a capacity of 1,700,000 TPA capacity of Alumina production with captive mines at Baphimali which is located ~20 Km from the plant. A co-generation power plant of 90 MW is set up as a part of the Alumina refinery to provide steam and power to the unit. Hindalco's proposed Greenfield project in Odisha is aimed at setting up a 3.0 million TPA(MTPA)alumina refinery under the name of Aditya Aluminium Project. This, besides providing job opportunities, will contribute towards the economic and industrial development of the state of Odisha.

1.2 WATER REQUIREMENT OF THE PROJECT

The water requirement for Alumina Refinery is expected to be around 20000 m³/day for 3.0 MTPA Alumina production. The water intake facility will be sourced from Patagarha River near Kutinguda from where the raw water shall be pumped to the alumina refinery through a 16 km long pipeline. The raw water received at the plant will be stored in an over ground Raw Water Reservoir of 25,00,000 m³ (equivalent to 3 months requirement).- as per water allocation approval. Water will be sent to a



water treatment plant to yield industrial water, filtered water and drinking water. Industrial water will be used for fire water system and for sprinkling at dust prone areas. Filtered water shall be used as make-up water for cooling towers. In order to meet the cooling water requirement of various units of the alumina refinery three independent closed circuit cooling towers viz. Alkaline Cooling Tower, Utilities Cooling Tower and Co-generation Plant Cooling Tower are envisaged.

The water requirement will be met from nearby Patagarha river near Kutinguda through 16 km long pipeline. Patagarha River near Kutinguda is the source of water for which, the water withdrawal permission for 25,000 KLD from Department of Water Resources, Odisha was sought for. The Water Allocation was Sanctioned from the State Water Resource Department vide letter no: 4272/2006/dated: 07.02.2006.

1.3 LOCATION

M/s Aditya Aluminium has already completed the various activities leading to the selection of site for the location of plant and its associated facilities at Kansariguda. This site is located about 70 km from Rayagada. Total area of the project is approximately distributed among following facilities:

Roads:

The lease area is in Phuljuba village. SH-44 is about 7.8km away from mine lease area.

Railway Station:

The lease area's nearest railway station is Singaram which is 1.12 km and around 7.17 km for Tikri Railway Station.

Town:

Tikri town situated at about 7.71 km from the mine area.

Airport:

The nearest airport is situated at Vizag in Andhra Pradesh & Raipur in Chhattisgarh at a distance of 156.44km & 269.35 km respectively. There is also exist an airport at Bhubaneswar at a distance of 312km from the mine lease area.

Port:

The nearest port is situated at a distance of 159.91 km at Visakhapatnam & Paradeep Port is 396.83 km at Paradeep.

CHAPTER-2

PROCESS DESCRIPTION

Bayer's process with medium pressure digestion technology and dry disposal of red mud has been considered for the alumina production process. It is envisaged that primary crushed bauxite from the bauxite mines shall be conveyed to the alumina refinery by means of conveyor. Steam and power shall be supplied from the captive co-generation plant located within the alumina refinery. The proposed alumina refinery at Kansariguda will have a capacity of 3.0 Million TPA alumina. The refinery shall be designed to operate as three identical, parallel and partially independent streams of 1.0 million tonnes capacity each.

2.1 TECHNOLOGY

The technology used for alumina production is called the Bayer Process and is more than a century old. It comprises several interdependent chemical process areas generally grouped into a 'Red' side comprising bauxite digestion and mud separation, treatment and storage, and a 'White' side comprising hydrate precipitation and calcination.

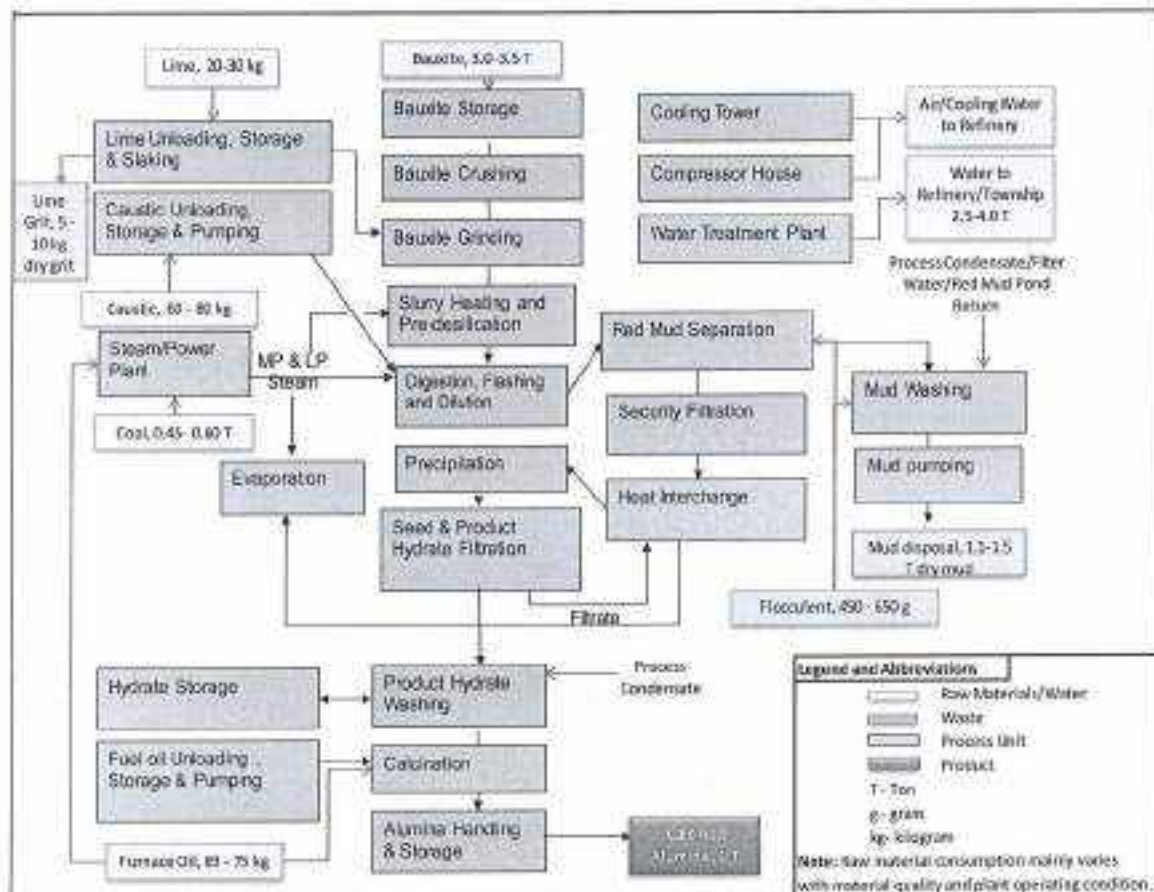
Over the years, each process area has undergone continuous development, refinement and optimisation both in the fields of process flow sheet and equipment design. Consequently, optimised versions of the Bayer Process are now available from various alumina technology and/or equipment suppliers for selection on the basis of their adaptability to the bauxite being processed, the quality of alumina required and local considerations such as environmental impact and the cost of energy and raw materials.

Technology from Rio Tinto Alcan is proposed for providing new generation mud separation/washing, polishing filtration, high productivity precipitation circuit along with other conventional Bayer plant equipment and high efficiency stationary calcination / evaporation section. Basic engineering for the refinery has been completed considering the capacity of 1.5 million TPA which needs to be further scaled up for 3 million TPA. Latest plant designs offered by Rio Tinto Alcan is having a standard train size of 1MTPA, hence revised configuration of the plant will be 3 X 1 MTPA.



2.1.1 ALUMINA REFINERY PROCESS AND FACILITIES

Figure No:-2.1 Process Flow Diagram



The process involves various operating stages as follows:

Bauxite Handling System: It consists of receipt, storage / stacking and reclamation processes. Bauxite is stored in stockpiles by stackers and is carried from the mines through closed conveyors. The stacker system creates the stockpiles for RMH Unit to pick the raw material for feeder unit.

Crushing: Although primary crushing is carried out in the mines, but the ore received from the reclaimer is screened and crushed again to finer desired size.

Grinding: Crushed bauxite is transferred to Rod Mill feed bins by means of belt conveyors. Bauxite grinding is carried out in open circuit overflow type Rod-mills owing to high solids concentration required for pre-desilication.

Pre-Desilication: Pre-deilicated Bauxite slurry is heated up to 95 deg C in two-stage slurry heaters for digestion. Spent liquor from Evaporation Area is heated by flashed steam from the four flash tanks in a series of four shell and tube heat exchangers and in two live steam shell and tube heaters, prior to mixing with the bauxite slurry.

Clarification: The slurry from Blow-Off Tank is sent to Hi Rate Decanters, which separates the mud from the sodium aluminate liquor. Synthetic flocculants are added to the decanters for aiding the separation process and fast settling of mud particles.

Red Mud Washing: The underflow from the Clarifiers is transferred to washing section comprising of a series of six deep cone washers. The clarifier underflow slurry moves counter current to a stream of wash water. The overflow of the last washer is sent to the next washer and so on up to the first Washer. The system operates as a mixer-settler circuit to wash the solid waste, i.e. the Red mud to make it substantially free of caustic liquor. The last washer underflow slurry is pumped to the Red Mud Filtration area using High Pressure Positive Displacement Pumps called Geho pumps.

Red Mud Disposal: Red mud, a residue of the bauxite refining process is the major solid waste. About 4.08 MTPA red mud will be generated annually. Red mud disposal system shall be combined through thickened tailing disposal technique of Alcan. All filtrate & surface run-off water from the Red mud pond is collected and pumped back into the Alumina Plant.

Other ancillary chemical processes include flocculant preparation, liquor causticisation, Heat Exchange, precipitation followed by Hydrate classification to collect Alumina Solids. These hydrate filtrates are chemically washed in several phases to get the pure alumina powder. The calciner crystallizes the filtered alumina hydrates to produce the final product from the plant.

2.2 LAND USE PATTERN

The proposed land use plan of the project is given below in Table No:2.3.

Table 2.3 Land use Pattern of Lease Area

LAND USE PATTERN			
Sl No	Category	Acres	Ha
1	Core Plant Area	541.22	219.03
2	Ash Pond	98.84	40.00



3	Red Mud Pond	457.14	185.00
4	Water Pipeline Corridor	53.18	21.52
5	Ash Pond, Red mud Pond and Conveyor Belt Corridor	36.20	14.65
6	R&R colony	75.61	30.60
7	Skill Development Centre	50.01	20.24
8	Green belt	812.46	328.8
	Grand Total	2124.66	859.84
	Forest Land	94.05	38.06
	Non-forest Land	2030.62	821.78

This project area does not involve any human settlements within the proposed project area. However, the proposed private land for acquisition is both homestead and agricultural in nature. Therefore the project has demarcated 30.60 Ha areas for R&R Colony at Podapodi & Biriguda having necessary Infrastructure for rehabilitation of identified project affected families.

2.3 WATER REQUIREMENT AND SOURCING

The water requirement for Alumina Refinery is expected to be around 20000 m³/day for 3.0 MTPA Alumina production. The water intake facility will be sourced from Patagarhar river near Kutinguda from where the raw water shall be pumped to the alumina refinery through a 16 km long pipeline. The raw water received at the plant will be stored in an over ground Raw Water Reservoir of 2,50,0000 m³ (equivalent to 3 months requirement) as per water allocation approval.

Drinking water requirement for the construction phase will be 367 KLD for about (8000 Contract Employees and 150 nos of permanent employment). During operation phase about 214 KLD would be required for 750 permanent and 4000 contract employees.

Water will be sent to a water treatment plant to yield industrial water, filtered water and drinking water. Industrial water will be used for fire water system and for sprinkling at dust prone areas. Filtered water shall be used as make-up water for cooling towers. In order to meet the cooling water requirement of various units of the alumina refinery three independent closed circuit cooling towers viz. Alkaline Cooling Tower, Utilities Cooling Tower and Co-generation Plant Cooling Tower are envisaged.

2.4 POWER REQUIREMENT

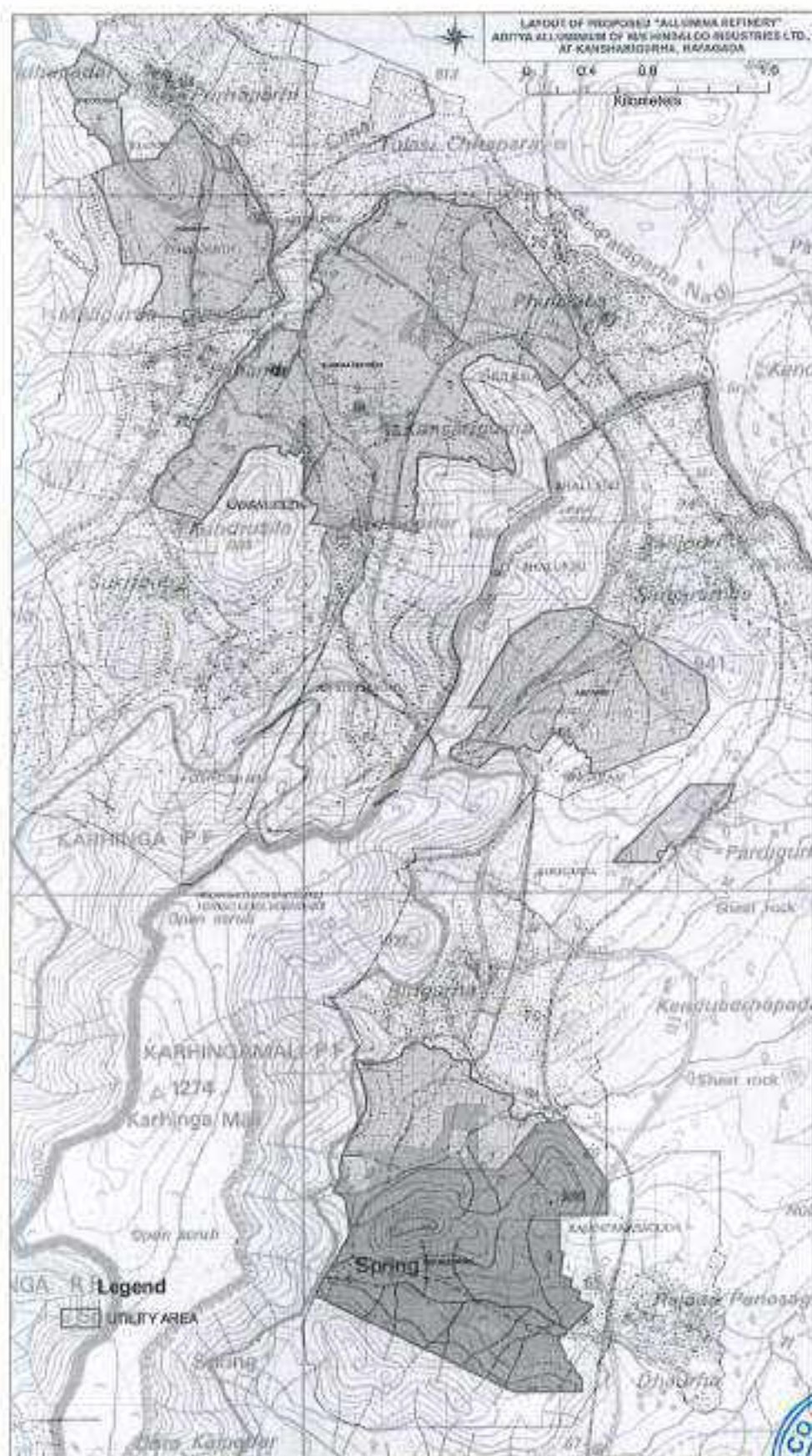
The by-product power is utilized for meeting the requirement of the process plant. The power produced in the co-generation plant shall be synchronized with the grid supply such that surplus power can be banked with GRIDCO (Odisha) while minor

temporary shortage or start-up requirements will be met from the grid. For short durations, during instability of the grid, provision is made to operate the plant in "islanding" mode also.

2.5 PROJECT COST

The total cost for the proposed project works out to approximately **INR 11,000 Crores**. The estimated project Cost is based on the requirement of fixed and non-fixed assets.

Figure 2,2: Project Layout on Toposheet



de ne

CHAPTER-3

HYDROGEOLOGY OF THE AREA

3.1 OBJECTIVE OF HYDROGEOLOGY STUDY

Objectives

The detail hydro-geological investigation of the buffer zone has been undertaken with the following objectives.

1. To decipher the present hydrogeological scenario of the study area.
2. To decipher the aquifer geometry in the area
3. To evaluate the status of the ground water storage
4. To assess the hydraulic characteristics of the aquifer present in the area.
5. To evaluate the status of ground water resource and its utilization and ground water budget.
6. To identify the effect of mining on groundwater regime.

Scope of Work

Following are the scope of the work to be carried out

- I. To carry out well inventory and observe status of water table over 5 locations within the buffer zone.
- II. To collect historical water level data of the area through secondary sources and from different agencies.
- III. To collect subsurface borehole data for demarcating aquifer geometry and its disposition.
- IV. Estimation of groundwater resource and utilization in the buffer zone as per norms of Ground water Estimation Committee, Govt. of India
- V. Analysis and interpretation of data and preparation of report.

3.2 METHODOLOGY OF INVESTIGATION

The geology of the area and subsurface conditions have been interpreted based on the exploratory data collected from different agencies, like geological Survey of India, Central Ground Water Board, Govt. of India, Ground Water Survey and Investigation, Govt. of Orissa etc. Intensive well inventory of the area have been undertaken to establish the groundwater flow regimes. The groundwater resource potential has been calculated as per GEC norms as well as on Pro-rata basis. The ground water utilization was worked out on Pro-rata basis.



For all purposes, the area of influence is been chosen as the surrounding watershed area with the watershed boundary as the hydro-geological boundary for the study purpose. The core zone is considered as the lease area for the study.

3.3 LOCAL PHYSIOGRAPHY AND DRAINAGE

The plant area is inside the Nagavali River basin and its tributaries of south Odisha as well as that of north coastal Andhra Pradesh. Obviously sourcing of water for the refinery at Kanshariguda has to from Patagarha River as no other perennial water source is available within a radius of 25km from the plant.

Patagarha Nadi is a tributary of Nagavalli, the Patagarh Nadi originates from the hilly range of Barhajhari at an altitude of about 1100 mts. It then travels in east & North-east direction where it meets with another North-Eastern direction for a distance of about 8kms where it passes through narrow gorge and finally meets River Nagavalli in the south of Raygada.

The terrain of Patagarha basin is hilly and gradient of river system which is steep. The hilly ranges are covered with protected R.F and dense vegetation.

3.4 LOCAL ENVIRONMENTAL SETTINGS

Table 3.1 Environmental Setting of the Site

Sr. No.	Particulars	Details
1	Project Location	Kansarigurha Village, Kashipur tehsil, Raygada district, Odisha State.
2	Elevation above MSL	840 m
3	Climatic conditions (IMD Koraput, 55 km from project site)	Annual Maximum Temp: 34.2oC Annual Minimum Temp: 11.4oC Annual Total Rainfall: 1647.8 mm Annual Predominant Wind Direction: NW, SW
4	Adjacent Villages	Phuljiba, Podapodi, Biriguda, Puhundi, Panchali, Punjiguma, Bhaljori, Singagram within Kashipur Tehsil and Tikiri Block.
5	Nearest Town	Tikiri (6 km, N)
6	Nearest City	Raygada (40 km, NE)
7	Surface Water Bodies	1. Patagarhanala adjacent to project site, N 2. PoragarNadi 8.2 km N 3. BaghriNala 9.8 km, W. 4. ChikambNala 12.9 km, W
8	Industries	Kodingamali bauxite mine, 1 km, Utkal Alumina International Limited Alumina Refinery (Existing 1.7 MTPA) - 8.1

Signature



Sr. No.	Particulars	Details
		km, NW
9	Ecologically sensitive zones, including National Park, Wildlife Sanctuary, Elephant / Tiger Reserve (existing as well as proposed), Migratory routes etc	Data from the forest department reveals that there are no protected areas as per Wildlife Protection Act 1972, within 15 km radius from the project site. However there are several RFs within the buffer zone area.
10	Protected/Reserve Forests	Reserve Forest/ Protected Forest 1. Karhinga PF, 1.0 km, S 2. Kendripadar RF, 1.6 km, E 3. Titigurha RF, 2.8 km, NE 4. Baghmari PF, 3.5 km, SE 5. Bariguma PF, 3.5 km, E 6. Masimandi PF, 4.8 km, NW 7. Shankararha RF, 5.4 km, NE 8. Sargighati PF, 5.9 km, SE 9. Kutil PF, 7.5 km, E 10. Minaharu PF, 8.2 km, ENE 11. Dhamanaganda PF, 9.4 km, SE 12. Kutinga PF, 9.6 km, SE 13. Karajhol PF, 9.6 km, NE 14. Champi RF, 11.4 km, SSW 15. Rapukana PF, 11.6 km, E 16. Kumbhikota PF, 14.2 km, SE
11	Seismic Zone	Zone-II as per IS:1893 (Part-1) 2002

Meteorology

Area comes under Eastern plateau and Eastern Ghats, hot sub humid eco regions with red and lateritic soils. The climate of the district is mainly tropical in nature. It is very much influenced by the South-Western monsoon during June-September. Vast stretch of high hills and Green forests control the climate to a great extent. The climate of the district is typically tropical to subtropical with three distinct seasons e.g. summer, winter, and monsoon. Average potential Evapo transpiration is varied from 5 to 8 mm per day and 160 to 241 mm per month with annual 2161 mm.

Climate

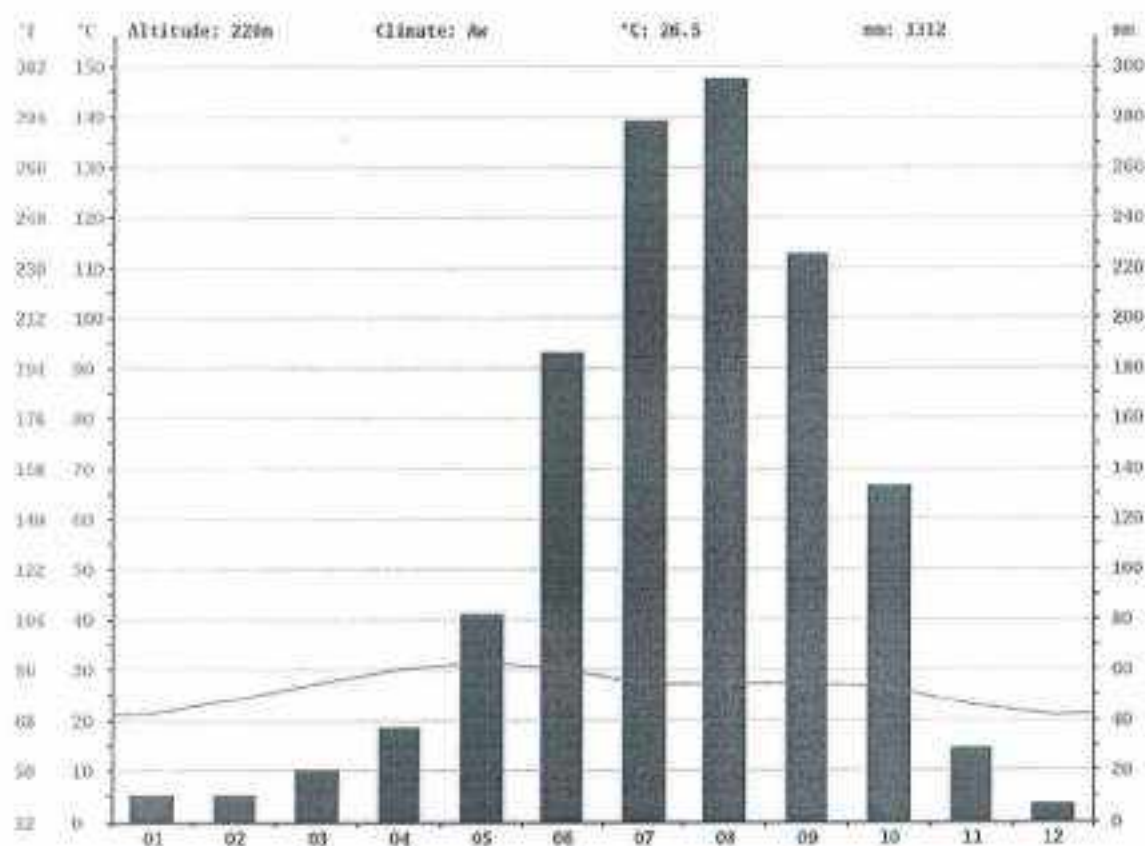
The region experiences three distinct climate i.e. summer, monsoon and winter. The summer month's ranges from March to June, and monsoon from July to Oct and winter from Nov to February. The climate in general is moderate with winter being little severe from Nov to February.

December is the coldest month with mean daily average temperature of 20°C which



reaches a maximum of 42°C in May. The rain fall in the area is mostly from the south west monsoon lasts from middle of June to October. The average annual rainfall varies from 1030.21 mm to 1569.50 mm.

Annual average rainfall



Precipitation is the lowest in December, with an average of 7 mm | 0.3 inch. Most of the precipitation here falls in August, averaging 295 mm /11.6inch.

Table3.1: Year wise Rainfall data from 2010-2019

Year	Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	Total	Avg.
2010	10.0	0	0	0.0	23.0	90.0	346.0	332.00	494.0	74.0	44.0	10.0	1423.0	118.58
2011	10.0	0.0	0	102.0	40.0	197.0	139.0	235.00	252.0	52.0	0	0	1027.0	85.58
2012	8.0	0	15.0	112.0	13.0	99.0	352.0	496.00	138.0	51.0	107.0	0	1391.0	115.92
2013	91.0	0.0	0.0	142.0	1.0	445.0	268.0	313.00	329.0	316.0	10.0	0	1915.0	159.58
2014	0	1.0	6.0	62.0	164.0	83.0	296.0	413.00	116.0	311.0	15.0	9.0	1476.0	123.00
2015	15.0	10.0	34.0	121.5	44.5	264.7	78.0	265.00	360.0	14.0	24.0	7.0	1257.7	103.14
2016	0.0	0	2.0	6.0	55.0	277.5	320.6	363.20	380.0	70.0	2.0	0	1476.3	123.03
2017	0.0	0	3.0	21.1	158.5	342.3	218.0	251.50	233.0	150.0	53.0	0	1430.6	119.22
2018	0	0	0	128.0	59.0	125.0	317.0	431.00	195.0	43.0	0	72	1421.0	118.42
2019	0.0	0.0	0.0	120.0	34.0	162.0	334.0	402.00	184.0	227.0	8.0	2	1473.0	122.75
Total	134.0	11.0	60.0	814.6	592.0	2085.7	2668.6	3501.7	2681.0	1308.0	263.0	100.0	14219.6	118.75

Temperature

At an average temperature of 31.8°C/ 89.2°F, May is the hottest month of the year. December is the coldest month, with temperatures averaging 21.1°C/ 70.0°F. Between the driest and wettest months, the difference in precipitation is 288 mm/ 11 inch. Throughout the year, temperatures vary by 10.7 °C/ 51.3 °F.

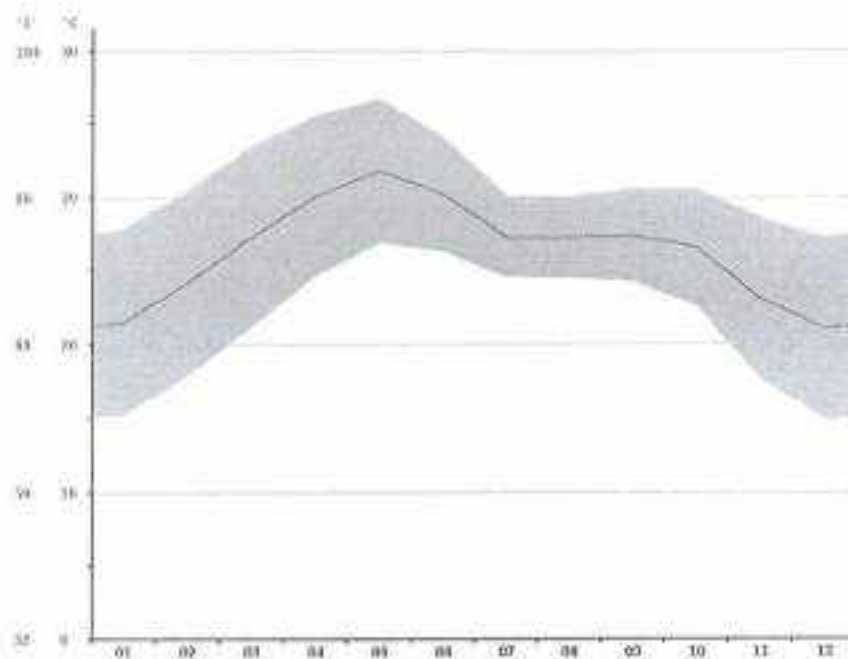





Figure 3.1: Hydrology Map of the Project Coverage area

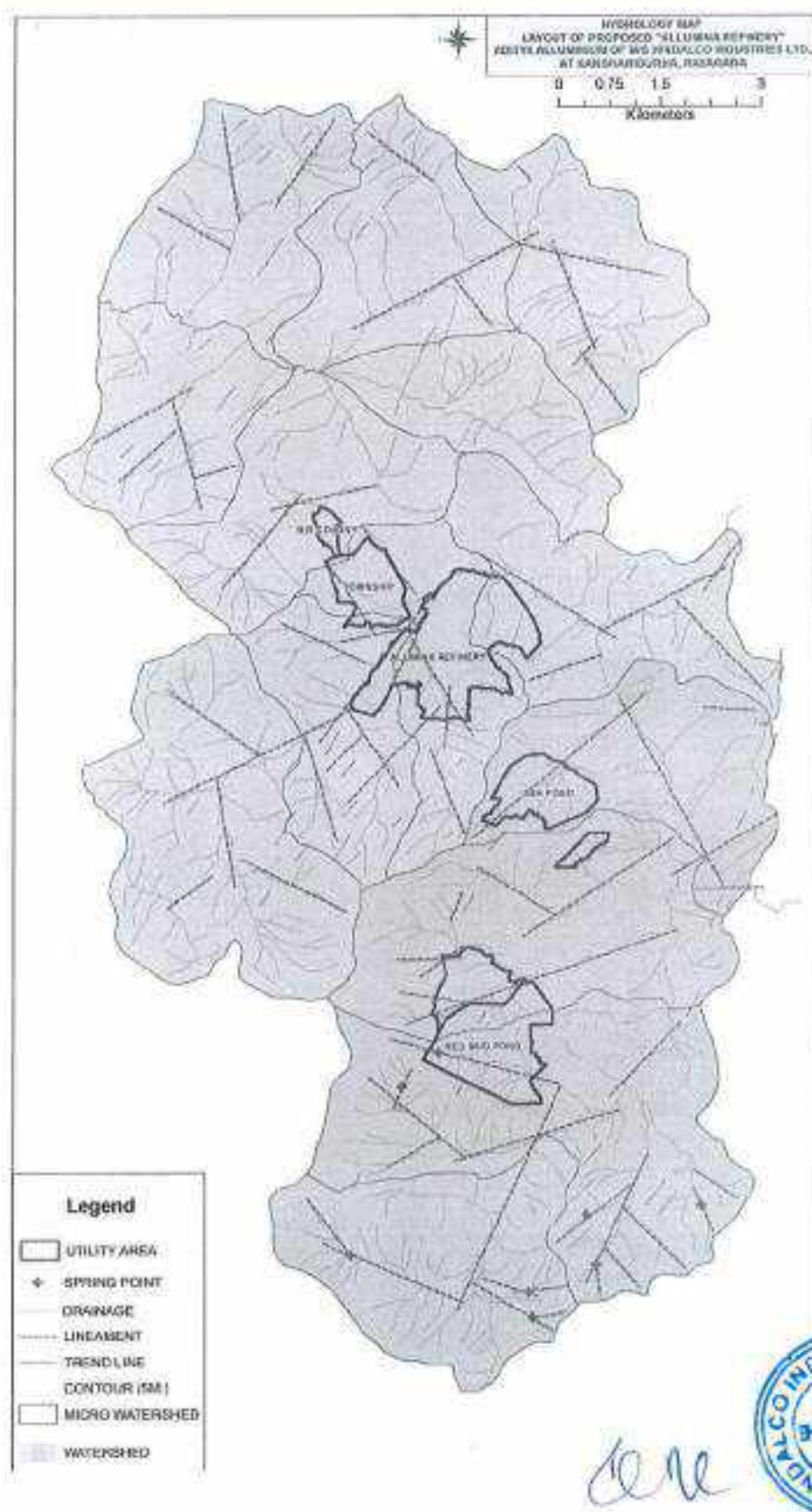
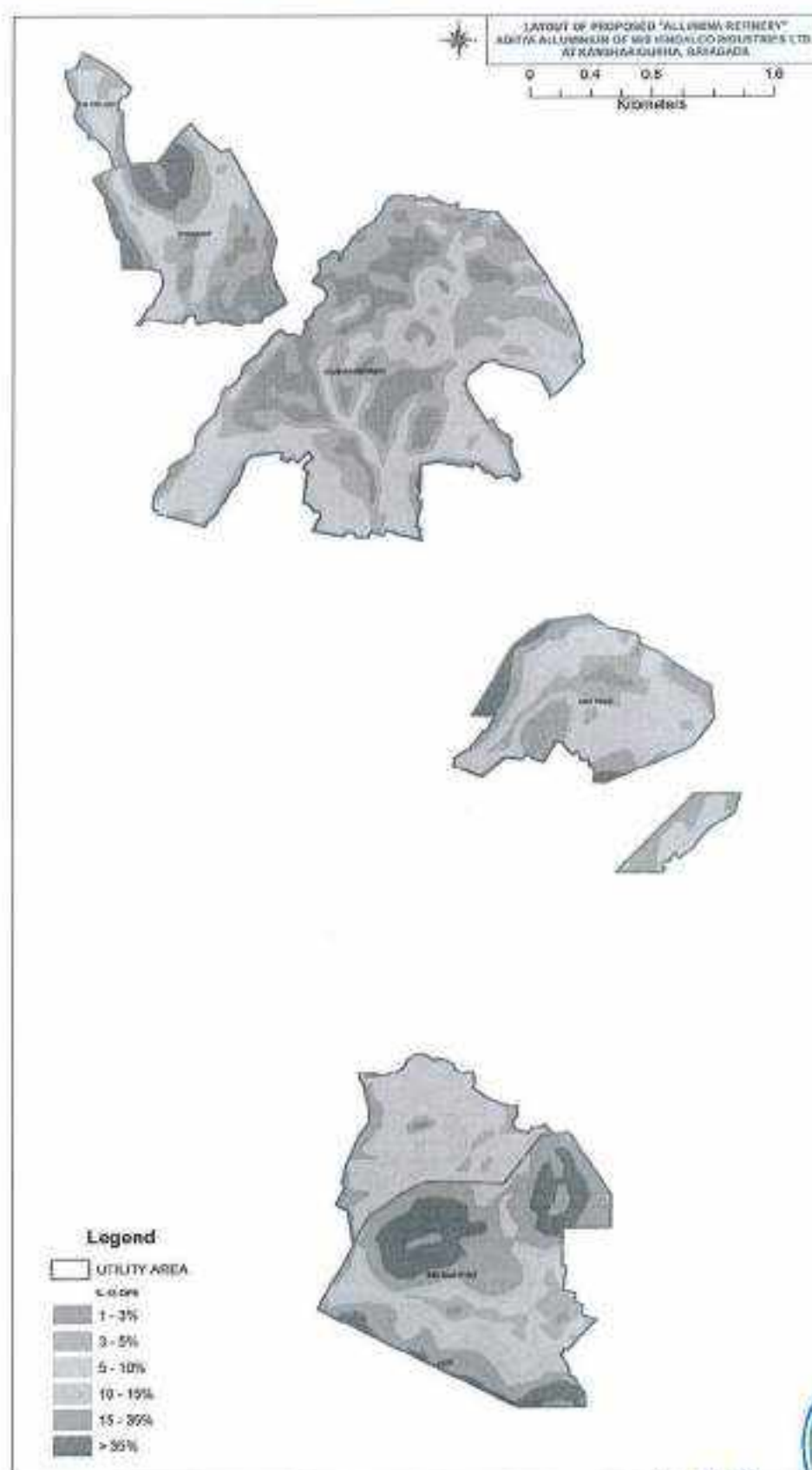


Figure 3.2: Slope classification of the area



3.4.1 HYDROLOGICAL CHARACTERISTICS

Hydrologically the area is controlled by three major watersheds as in Figure 3.1. The topography of the area belongs to Patagarah Basin, channelized by the tributaries of Patagarh Nadi and Nagavali River. The topography of Patagarha basin is undulating in nature having high mountain ridges covered with good forest. The river from its origin at E.L. 1100 Mts. Traverses a length of 56 km, and joins river Nagavalli at Raygada at an Elevation of 345 Mts. The last stretch of Patagarha Nadi assumes the name Raniiturga after its confluence with Dhalighat Nadi.

These rivers are mostly structurally controlled and follow the morphological slope as indicated in Figure 3.2. The dendritic network of first and second order drainage channels are mostly controlled by the local lineaments. Therefore based on the degree of weathering and depth of weathered rocks, the type and characteristics of the aquifers can be predicted in this area.

The plant area is inside the Nagavali River basin and its tributaries of south Odisha as well as that of north coastal Andhra Pradesh. Obviously sourcing of water for the refinery at Kanshariguda has to from Patagarha River as no other perennial water source is available within a radius of 25km from the plant.

3.5 SOIL

The major soils of Raygada District is Red-loam soils, Alluvial soil, mixed red and Black soil, wherein the red-loam soils occupy 50per cent of the total geo-graphical area of the District. Further the soil characteristics are described as (North and central region) moderately deep to completely deep, poorly drained to somewhat excessively drained, with fine loamy soil on moderately sloping hills with loamy surface, strong stone beds associated with moderately shallow, well drained loamy skeletal soils and fine soils with very gently sloping inter-hill valley with clayey surface and severe flooding associated with very deep, well drained, fine soils with loamy surface and moderate erosion.

Soil of central region is moderately deep to very deep; somewhat excessively drained fine loamy soils on moderately sloping hill slopes with loam surface associated with shallow somewhat excessive drained loamy soils with severe erosion and strong stone beds.

Soils of south eastern region of the District is characterized by deep to very deep, poorly drained to well drained fine soils on moderately sloping hills with loamy surface and moderate erosion associated with shallow somewhat excessively drained loamy soils with loamy surface and strong stone surface. In very gentle

sloping inter hill valley; with clayed surface with moderate erosion and severe flooding associated with very deeply drained, fine soils with loamy surface and moderate erosion.

Some portions of soil present in scattered manner in the District showing the characteristics of poorly drained, fine soils with very gently sloping inter-hill valley with clay surface and severe flooding associated with very deep, well drained, fine soils with loamy soil surface.

Soil of extreme south represents very deep, poorly drained, fine soils on nearly level inter-hill valley with clayed surface and slight erosion associated with deep, imperfectly drained fine soils with loamy surface and moderate erosion.

Nature and type of soil

The area is characterized by hot, moist and sub-humid climate and consists of Brown forest, lateritic, red alluvial, black and mixed red soil groups. The soil of Rayagada is rich in aluminium and potash produced from degradation of lateritic rocks. The soils are acidic in nature, low in organic carbon, phosphorus and rich in potash.

Different Soil Sub-groups

Different soil sub-groups characteristics of Rayagada District showing fine loamy Type Rhodustalfs, Fine Ultic Paleustalfs, Fine loamy Typic Ustochrepts, Vertic Haplaguepts, Typic Haplustalfs, Fine Rhodic Paleustalfs, Rhodic Paleustalfs, Fine loamy Typic Haplustalfs, Loamy Skeletal Typic Ustorthents and Typic Tropaguepts.

3.6 GEOMORPHOLOGY

Physiographically the area under present investigation bears rolling hills. The average altitude in the hilly region ranges between 600 m to 800 m above mean sea level with the highest of 1213 m. The plains of the area are limited to only central part in north-south elongation. The average altitude of the flood plains ranges between 100m to 300m above mean sea level. Geomorphological studies of the district suggest that the area can be broadly divided into following physiographic units.

- Structural Hills
- Denudational Hills
- Pediments
- Pedi planes
- Plateaus and



- Gullies

1. **Structural Hills:** It is the most predominant geomorphic units in the area covering almost 65% of the area. It is characterized by structurally controlled hills with complex folding and faulting. These hills act as recharge zone for pedi planes and for surrounding areas. The occurrences of springs are very common in this hydromorphic unit particularly on southern part of area.
2. **Denudational Hills:** Denudational hills are very few and occur only in sporadic manner and scattered in north-eastern part of the area where granitic group of rocks are predominant. It is represented by smaller group of massive hills interspersed with narrow gullied. These hills have either no structural control or structures are obliterated by denudation. The drainage density in this type of unit is very poor and run-off is low. The groundwater prospect is poor.
3. **Pediment:** These are gently undulating bed rocks with little or no weathering. But the shallow and deeper aquifers are controlled by joints, fissures and fractures etc. Pediments are more in occurrence in eastern and central part of the area.
4. **Pediplain:** Pediplains occur in whole eastern and central part of the area. These pediplains mostly present gently undulating topography with a thickness of weathered residuum 14 to 24 meter. These weather zones from very good shallow aquifers. Infiltration is moderate and ground water potential is good. The yield of open wells varies from 20 to 50 m³/day. Yield in bore well is fairly good to moderate.
5. **Gullies:** Only three numbers that to very small in shape and size of gullies are found in the area. These gullies are associated with pediments and pediplanes.
6. **Plateau:** Plateaus are found in sporadic manner in central and western part of the area and in southern part in north-south elongation. These plateaus mostly present gently flat topography with a thickness of weathered residuum 12 to 20 meter. These weather zones form very good shallow aquifers. Infiltration is moderate and ground water potential is good.

3.7 GEOLOGY

The area under study is mainly occupied by the crystalline of Precambrian Eastern Ghats group of rocks in the narrow elongated valleys of Nagavalli rivers and their tributaries which are occupied by thick alluvium. These Precambrians in the area is represented mainly by the Granite gneiss and its variants. Khondalites and

Charnockites. Precambrians are overlain by laterites and alluvium of Quaternary period. Alluvium consist mainly sand, silt and clay. The geological succession in the district is as follows:

STRATIGRAPHY:

Age	Super Group	Group	Lithology
Late Holocene	Present day		Soil/Alluvium flood plain deposit
Cainozoic			Laterite/Lateritic Bauxite
Archaean	Garnetiferous	Granite gneiss Leptynite Charnockite Acid/Intermediate Group charnockite	
	Eastern Ghat Super Group	Basic charnockite Khondalite Group gneiss Quartzite Calc silicate	Quartz-garnet- sillimanite schist/

3.8 TOPOGRAPHICAL FEATURES AND DRAINAGE

The topography of Patargarha basin is undulating in nature having high mountain rides covered with good forest. The river from its origin at E.L. 1100 Mts. Traverses a length of 56 km, and joins river Nagavalli Raygada at an Elevation of 345 Mts. The last stretch of patargarha Nadi assumes the name Raniiturga after its confluence with Dhalighat Nadi. The plant area is inside the Nagavalli River basin and its tributaries of south Odisha as well as that of north coastal Andhra Pradesh.

Physiographically the area under present investigation bears rolling hills. The average altitude in the hilly region ranges between 600 m to 800 m above mean sea level with the highest of 1213 m. The plant site falls under Raygada District. The area comes under Eastern ghat region of archaean era. The hills are made up of Gneisses, Charnockites and khondalites. Weathered and fractured granites, gneisses and their variants, khondalites, charnockites etc, are the most predominant rock types in the district.

Figure 3.3: Drainage Map of the Area

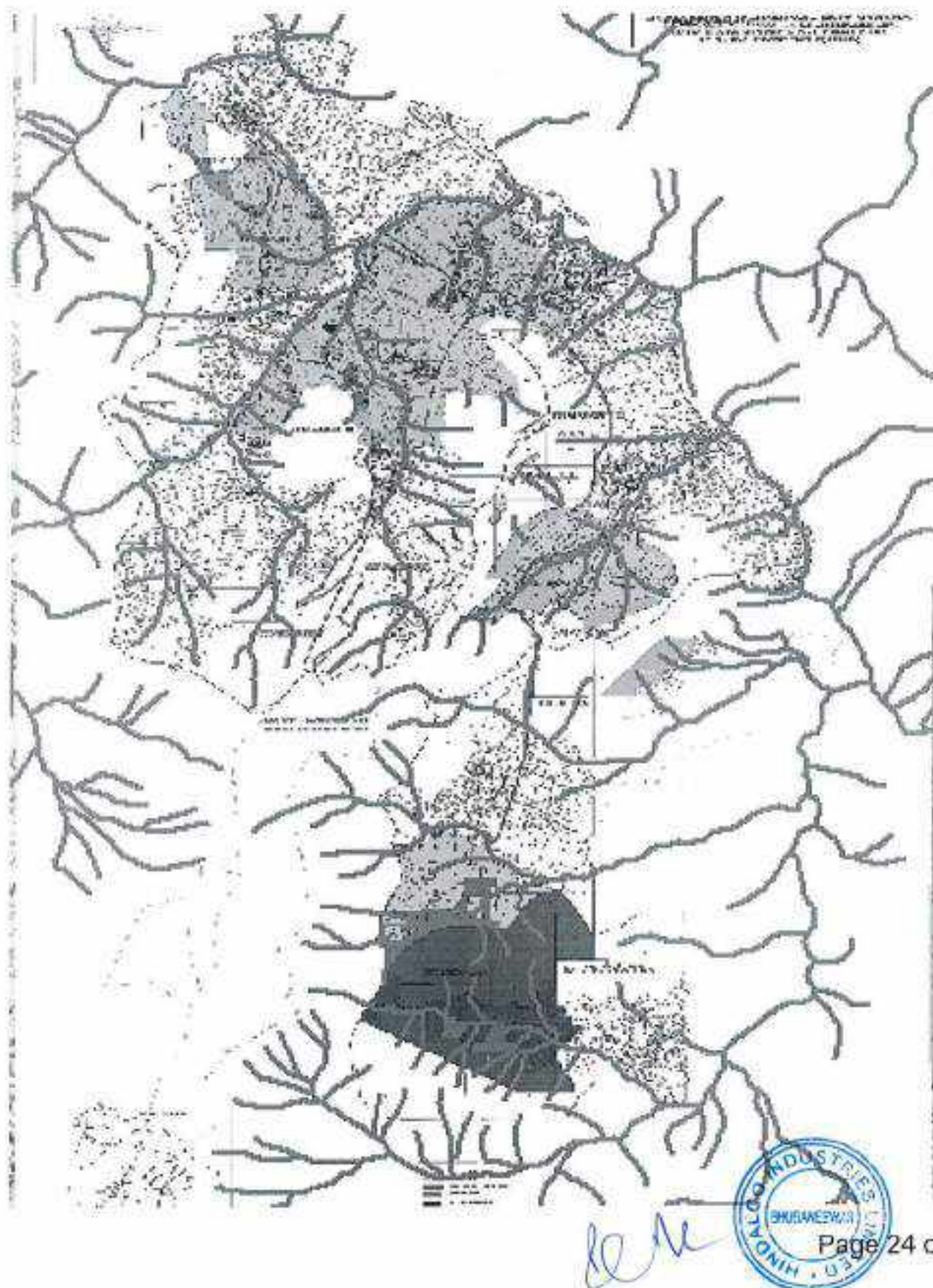
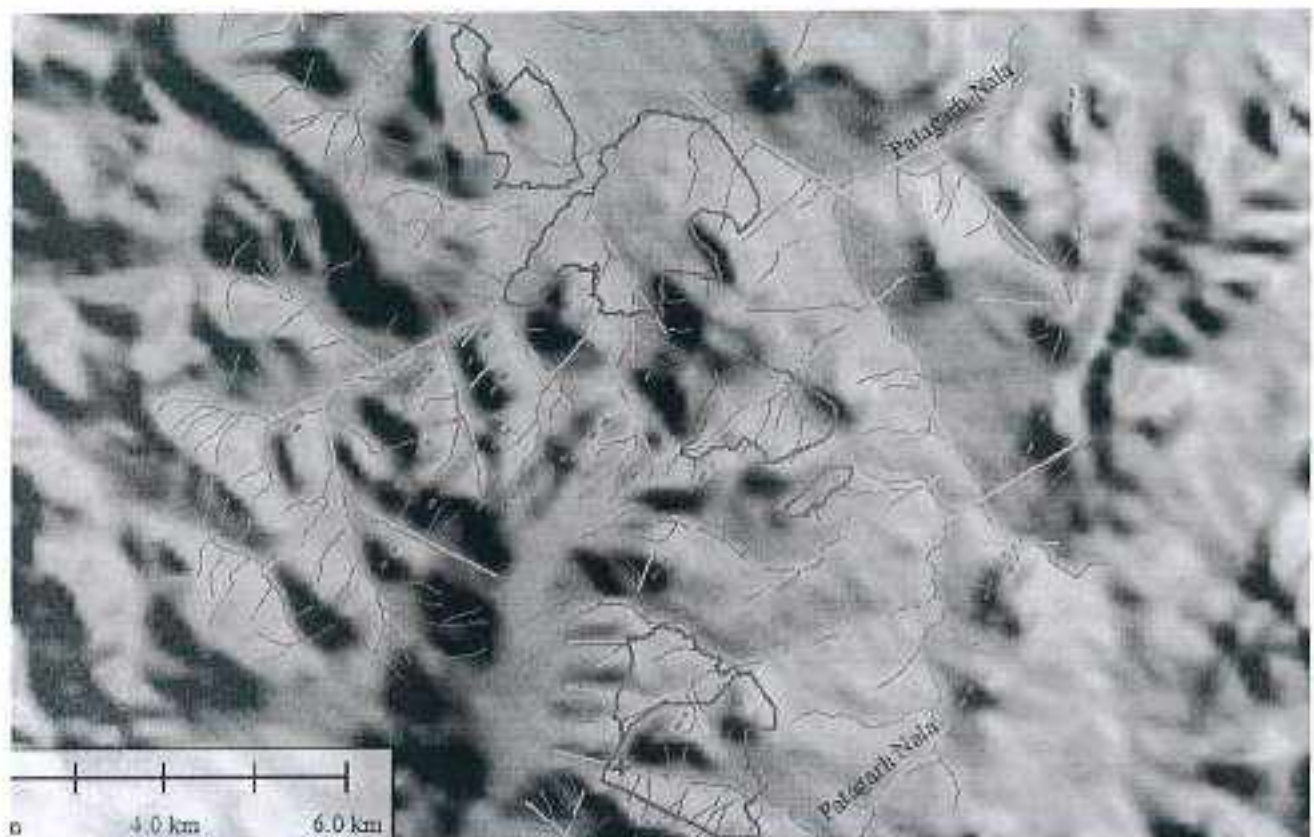


Figure 3.4: DEM with Lineaments and Drainage

The Total area is covered by three watersheds and having general slope towards the SE direction. The area within the watersheds are presented in figure 3.5 below.

Figure 3.5: Watershed Boundaries

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CHAPTER-4

HYDROGEOLOGICAL SETUP

The hydrogeological conditions vary from place to place depending upon the aquifer characteristics of the litho units, sources of groundwater recharge and the structural setting of the area. The hydrogeological units of the area are broadly categorized into three groups namely:

- A. Consolidated formations.
- B. Semi Consolidated formations
- C. Unconsolidated formations

Consolidated Formations:- The weathered and fractured granites, granite gneisses and their variants, khondalites, charnockites etc. are the most predominant rock types in the district. These are characterized by development of secondary porosity. The secondary porosity in the consolidated formations developed as a result of weathering and fracturing due to major and minor tectonic movements from the conduits for movement of groundwater as also act as reservoir of groundwater. Generally the secondary porosity in the consolidated formations developed as a result of weathering and fracturing due to major and minor tectonic movements form conduits for movement of groundwater as also act as reservoir of ground water. Generally the secondary porosity developed in the crystallines is non uniform in distribution. This fractured and jointed rocks when interconnected form potential aquifers, which sustain limited to moderate yield.

Semi-consolidated formations:- Porous laterites occurring as discontinuous capping over older formations. These posses both primary and secondary porosities.

Unconsolidated formations:- Recent alluvium occurring as valley fills of the rivers, Vamsadhara & Nagavalli are characterized by primary porosity. Recent alluvial deposits formed in the river valleys of Vamsadhara and Nagavalli, are the most potential. The occurrence and movement of ground water in the alluvium are characerised by more or less homogenous hydrogeological properties.

4.1 WATER BEARING PROPERTIES OF THE CONSOLIDATED FORMATIONS:

Granites and Granite Gneisses: The granite and granite gneisses with leaching out of kaolinised clay these rocks on weathering reduce to porous granular

materials. The thickness of weathered mantle is an average 10 m. The weathered as also fractured and fissures intersecting system of granite gneisses in topographic lows form potential aquifers. It is in these hydro-geologically favorable locales that groundwater structures are successful and well yields are relatively high. The yield of the wells depends upon the thickness of the saturated zone as also number of fractures tapped. The open wells generally range from 7.3m to 8.5m. The depth to water table during pre-monsoon season is between 1.72 m to 11.70 m below ground level and during post monsoon season between 0.50 m to 9.80 m below ground level. The seasonal fluctuation of water level is between 0.67 m to 7.28 m. Specific capacity index of wells in this formation ranges from 1 lpm/m/m² to 14 lpm/m/m² , the transmissivity values of the formation range from 0.5 m²/day to 116 m²/day. The yield of the open wells in Granitic Gneissic terrain is generally up to 3 lps. However generally the bore wells in this formation yield up to 10 lps.

Khondalites : Khondalites are actually meta-sediments and occupy mainly ridges and hills, covered with thick forests and profuse vegetation. Khondalites have undergone high degree of weathering down to a depth of more than 20 meters. Although the interlacing joints and sheared surfaces form potential receptacles of groundwater, preponderance of clayey material reduces the permeability of the formation. The depth of open wells in this formation generally varies between 7 m to 8 m. The depth to water level during pre-monsoon period varies between 2.62 to 9.13 m below ground level and during post monsoon period between 0.86 m to 5.96 m below ground level. The seasonal water table fluctuation is between 1.20 m to 4.14m. The pumping test analysis in the open wells indicate that specific capacity index of the formation varies between 1.00 to 13 lpm/m/m² . The yield of the dug wells is up to 3 lps.

Charnockites: The Charnockitic rocks in the area are generally devoid of significant ground water storage due to lack of well connected joints and fractures. Very few wells exist in this formation. The average depth of open wells vary between 4 to 20m. The depth to water level during premonsoon period varies between 3.34 to 16.39 m below ground level and during post monsoon period it ranges between 0.64 to 16.39 m below ground level. The water level fluctuation between premonsoon and post monsoon period varies from 0.07 to 3.09 m. The aquifer characteristics of the formatuion could not be ascertained for want of facilities for conducting hydraulic tests on wells tapping charnockites.

4.2 WATER BEARING PROPERTIES OF THE SEMI-CONSOLIDATED FORMATIONS:

Laterites : Porous laterites are formed as capping over the crystalline hardrocks in the upland areas like the Raygada-Kolnara uplands, Kailashkota, Ramanguda, Gudari section etc. Due to restricted areal extent these rocks do not contribute as potential aquifers.

4.3 WATER BEARING PROPERTIES OF THE UN-CONSOLIDATED FORMATIONS:

Alluvium: The alluvial deposits in the flood plains of the Vamsadhara and Nagavali rivers form the most potential aquifer system of the district. The borehole data reveals that there is a sub surface disposition of aquifers in parts of the Vamsadhara basin. The colluvium in the intermontane valleys also form rich aquifers. The alluvium comprises an admixture of gravel, sand and clay derived from eroded and weathered country rocks. Groundwater occurs in these deposits under both unconfined as well as semi confined conditions. A number of openwells and shallow tubewells vary between 0.90m to 13.05 m below ground level with an average depth of 5.5 m to 7.5 m below ground level.

Aquifer Characteristics of Crystalline: In the hard crystalline rock recharge of ground water from precipitation or seepage from surface water bodies percolate into the weathered (saprolite) zone. In case the underlying basement rocks (both weathered and fresh) are incised by open fractures, the downward movement of the water from the upper regolith zone (comprising the top soil and saprolite horizon) is facilitated. In the saprolite/regolith horizon ground water generally occurs under unconfined condition where as in the fractured bedrock aquifers it occurs under semi- confined to confined conditions. The ground water potentials of various zones i.e. saprolite (tapped by dug wells), weathered basement rock and shallow fractured basement rock horizon (tapped by the hand pumps) and deeper fractured basement rock (tapped by the deep boreholes by CGWB) vary considerably depending upon their lithological and structural characteristics. Perusal of all result indicates that granite gneiss forms the most potential aquifer both in shallow and deeper horizons followed by Khondalite. In Lateites the specific capacity Index of dug wells vary from 2.32-to 10.27- lpm/m/m². In limited extant the alluvium forms potential shallow aquifers.



4.4 PUMPING TEST ANALYSIS

For evaluation of aquifer parameters, Short duration pumping test was conducted at four existing tube wells/borewells and the drawdown data was recorded nearby existing tube well. The details of tests are given below.

Table 4.1 Data of Pumping & Recovery Test of Sadinayagada

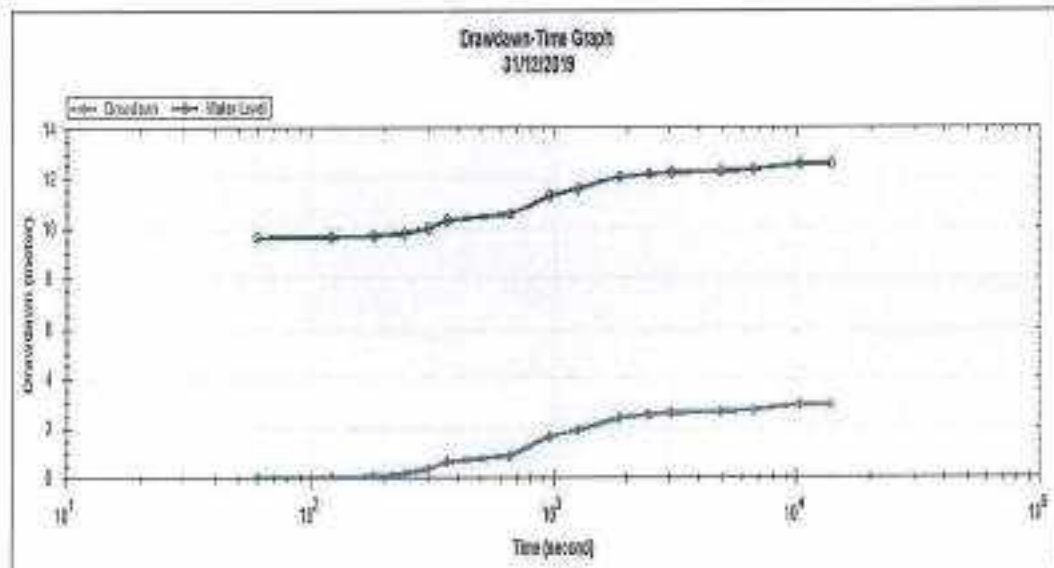
Location-1

Pumping and Recovery Test Data							
Location Of Borewell		Sadinayagada					
Coordinates		19° 6'30.67"N, 83° 1'36.07"E					
Date		10.12.2020					
Motor capacity		7.5 HP					
Rate of Discharge		0.005 m³/s					
Sl No	Time Of Measurement	Pumping Data			Recovery Data		
		Interval Time In Second	Water Level In Meter	Draw Down In Meter	Interval Time In Second	Water Level In Meter	Residual Draw Down
1	8.0 am	0	9.64	0	0	12.58	2.94
2	8.01 am	60	9.65	0.01	60	12.49	2.94
3	8.02 am	120	9.68	0.04	120	12.34	2.85
4	8.03 am	180	9.73	0.09	180	12.27	2.7
5	8.04 am	240	9.83	0.19	240	12.24	2.63
6	8.05am	300	10.02	0.38	300	12.01	2.6
7	8.6 am	360	10.32	0.68	360	11.89	2.37
8	8.11am	660	10.57	0.93	660	11.47	2.25
9	8.16 am	960	11.31	1.67	960	10.89	1.83
10	8.21am	1260	11.59	1.95	1260	10.65	1.25
11	8.31am	1860	12.06	2.42	1860	10.32	1.01
12	8.41 am	2460	12.18	2.54	2460	10.07	0.68
13	8.51am	3060	12.25	2.61	3060	9.98	0.43
14	9.21 am	4860	12.29	2.65	4860	9.76	0.34
15	9.51 am	6660	12.36	2.72	6660	9.64	0
16	10.51am	10260	12.57	2.93			
17	11.51am	13860	12.58	2.94			



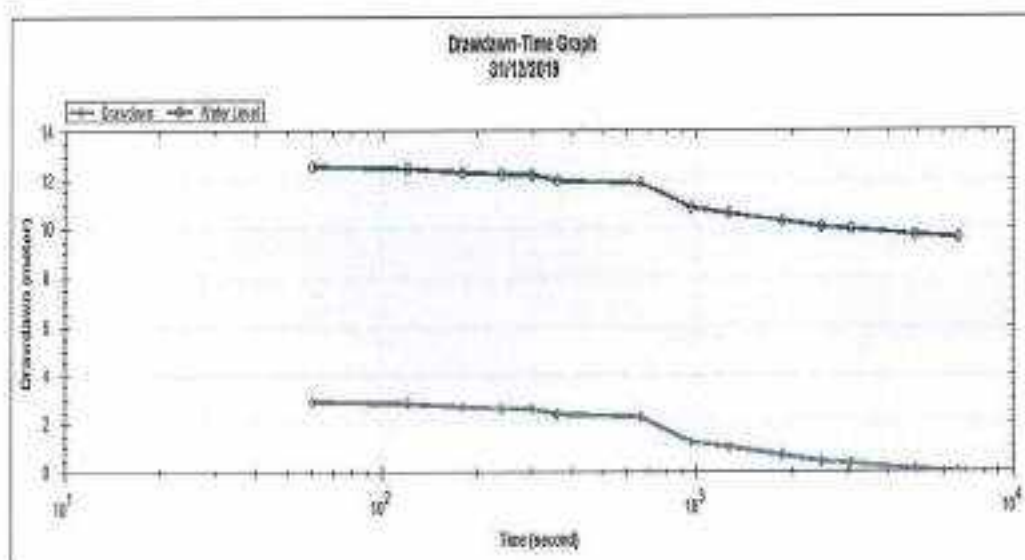
Total decrease in water level:-	2.94				
Note: Total Decrease in water level within 3.5 hr is 2.94 Meter					

Figure 4.1 Pumping Test Data Plot of Sadinayagada Observation Well

Transmissivity (m^3/day):114.39

Horizontal hydraulic conductivity (m/Day):1292.63

Figure 4.2 Recovery Test Data Plot of Sadinayagada Observation Well

Transmissivity (m^3/day) : 78.53

Horizontal hydraulic conductivity(m/Day) : 884.00

Figure 4.3 Graph of Sadinayagada Drawdown vs Recovery

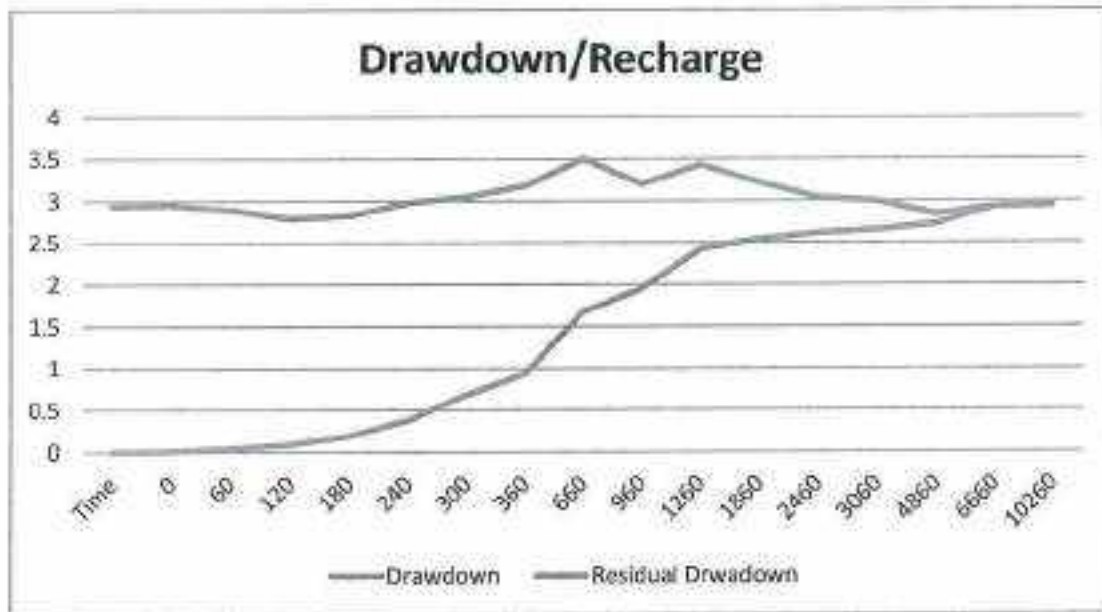


Table 4.2 Data of Pumping & Recovery Test of Phuljuba

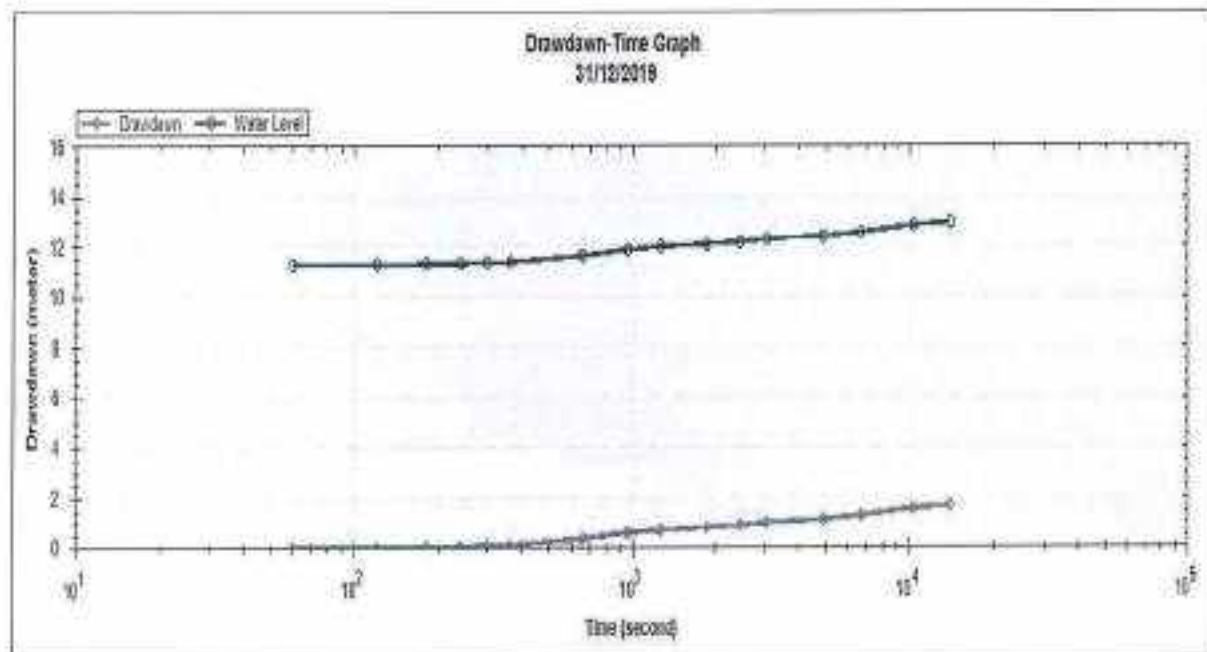
Location -2

Pumping and Recovery test Data							
Location Of Borewell		Phuljuba					
Coordinates		19° 6'15.58"N 83° 5'10.90"E					
Date		11.12.2020					
Motor capacity		7.5 HP					
Rate of Discharge		0.004 m ³ /s					
SL NO	Time of Measurement	Interval Time(In Second)	Pumping Data		Recovery Data		
			Water Level In Meter	Draw Down In Meter	Interval Time(In Second)	Water Level In Meter	Residual Draw Down
1	8.0 am	0	11.29	0	0	12.98	1.69
2	8.01 am	60	11.31	0.02	60	12.71	1.42
3	8.02 am	120	11.32	0.03	120	12.54	1.25
4	8.03 am	180	11.34	0.05	180	12.39	1.1
5	8.04 am	240	11.37	0.08	240	12.22	0.93
6	8.05am	300	11.39	0.1	300	12.01	0.72
7	8.6 am	360	11.42	0.13	360	11.85	0.56
8	8.11am	660	11.67	0.38	660	11.68	0.39



9	8.16 am	960	11.91	0.62	960	11.59	0.3
10	8.21am	1260	12.02	0.73	1260	11.47	0.18
11	8.31am	1860	12.12	0.83	1860	11.4	0.11
12	8.41 am	2460	12.21	0.92	2460	11.34	0.05
13	8.51am	3060	12.32	1.03	3060	11.3	0.01
14	9.21 am	4860	12.43	1.14	4860	11.29	0
15	9.51 am	6660	12.59	1.3	6660	11.29	0
16	10.51am	10260	12.87	1.58			
17	11.51am	13860	12.98	1.69			
Total decrease in water level:-			1.69				

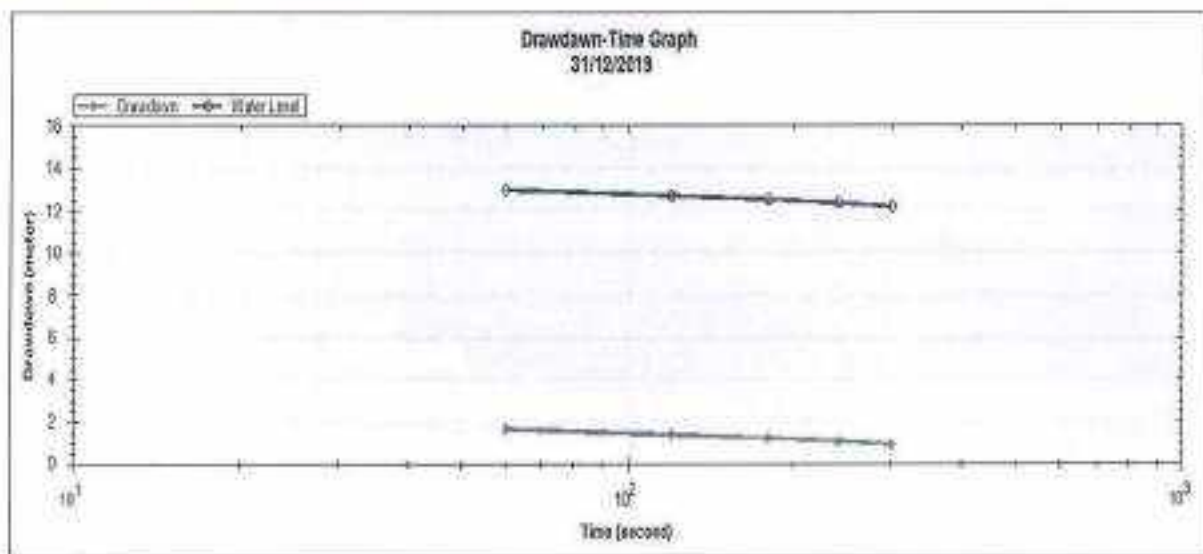
Figure 4.4 Pumping Test Data Plot of Phuljuba Observation Well



Transmissivity (M3/day) : 51.58

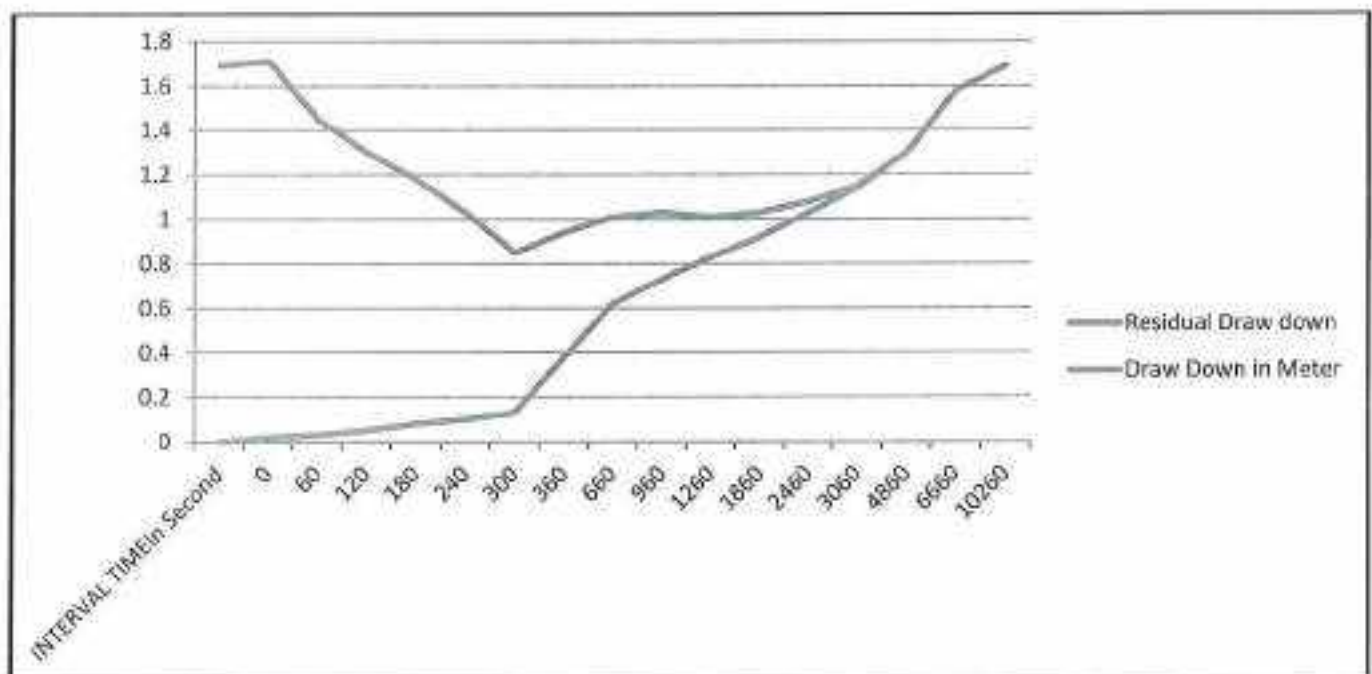
Horizontal hydraulic conductivity (m/Day) : 567.82

Figure 4.5 Recovery Test Data Plot of Phuljuba Observation Well



Transmissivity (M3/day) : 43.89
 horizontal hydraulic conductivity(m/Day) :482.37

Figure 4.6 Graph showing the Phuljuba Drawdown vs Recovery



dre

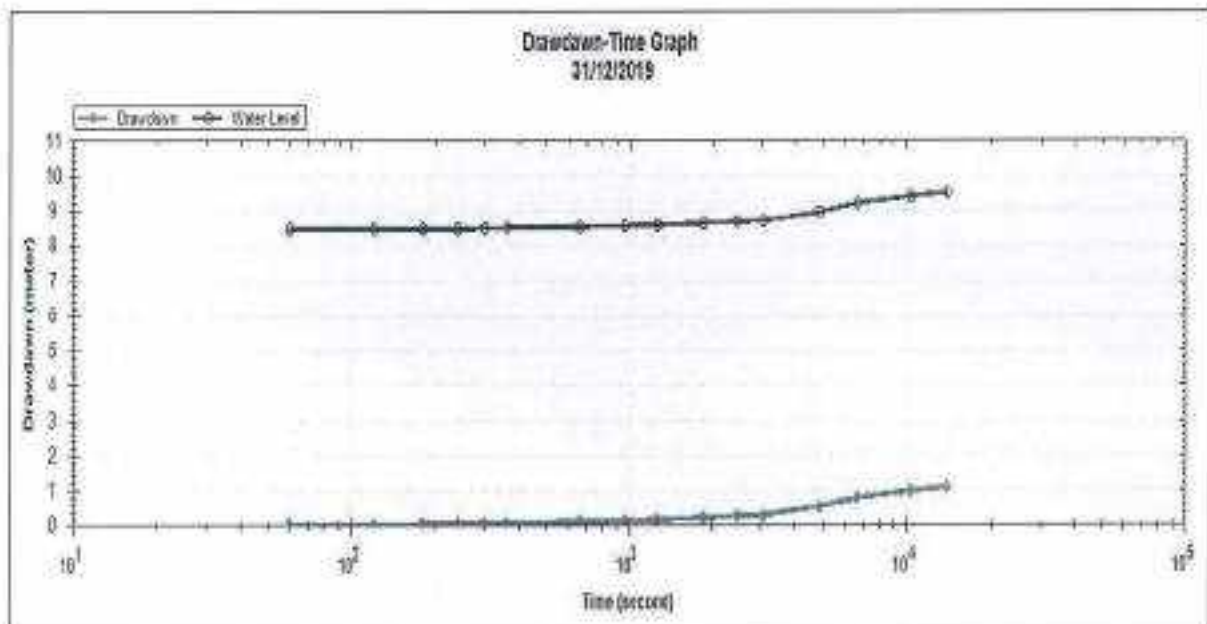
MINERALCO INDIA LIMITED
 BANGALORE

Table 4.2 Data of Pumping & Recovery Test of Biriguda

Location -3

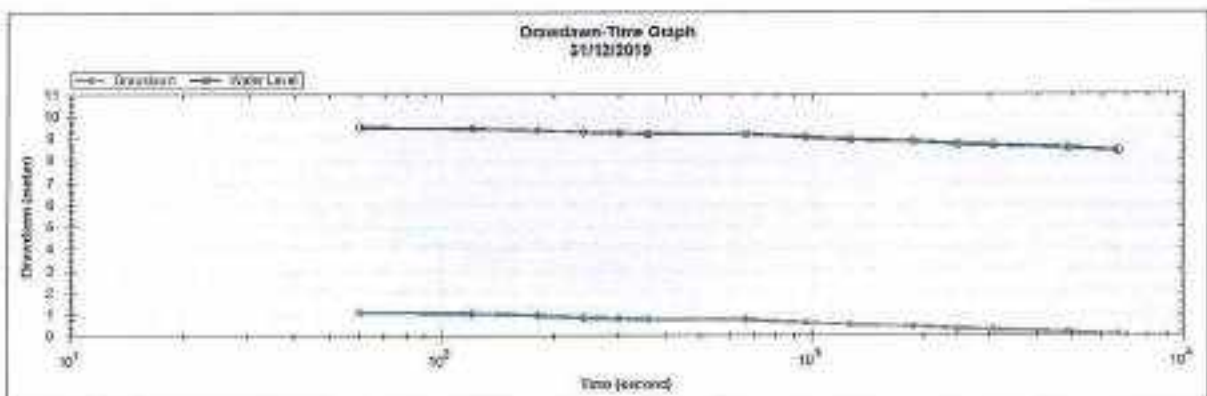
Location Of Borewell		Biriguda					
Coordinates		19° 4'20.84"N 83° 5'50.80"E					
Date		11.12.2020					
Motor capacity		7.5 HP					
Rate of Discharge		0.005 m³/s					
SL NO	Time of Measurement	Interval Time(in Second)	Pumping Data		Recovery Data		
			Water Level in Meter	Draw Down in Meter	Interval Time(in Second)	Water Level in Meter	Residual Draw down
1	8.0 am	0	8.42	0	0	9.52	1.1
2	8.01 am	60	8.47	0.05	60	9.47	1.05
3	8.02 am	120	8.47	0.05	120	9.39	0.97
4	8.03 am	180	8.48	0.06	180	9.28	0.86
5	8.04 am	240	8.49	0.07	240	9.25	0.83
6	8.05am	300	8.5	0.08	300	9.2	0.78
7	8.06 am	360	8.52	0.1	360	9.19	0.77
8	8.11am	660	8.54	0.12	660	9.03	0.61
9	8.16 am	960	8.57	0.15	960	8.93	0.51
10	8.21am	1260	8.59	0.17	1260	8.86	0.44
11	8.31am	1860	8.65	0.23	1860	8.71	0.29
12	8.41 am	2460	8.69	0.27	2460	8.67	0.25
13	8.51am	3060	8.72	0.3	3060	8.56	0.14
14	9.21 am	4860	8.97	0.55	4860	8.43	0.01
15	9.51 am	6660	9.23	0.81	6660	8.42	0
16	10.51am	10260	9.41	0.99			
17	11.51am	13860	9.52	1.1			
Total decrease in water level:-			1.1				

Figure 4.7 Pumping Test Data Plot of Biriguda Observation Well



Transmissivity (M3/day) :86.74
 horizontal hydraulic conductivity(m/Day):1041.37

Figure 4.8 Recovery Test Data Plot of Biriguda Observation Well



Transmissivity (M3/day) :111.74
 horizontal hydraulic conductivity(m/Day):1335.312

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Figure 4.9 Graph showing the Biriguda Drawdown vs Recovery

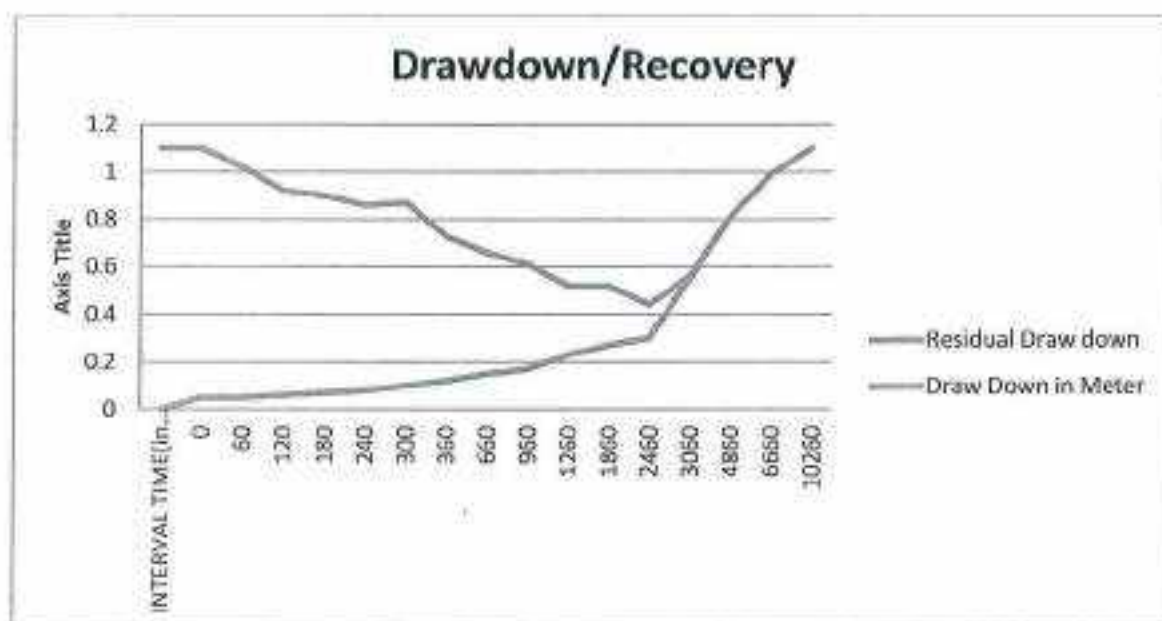
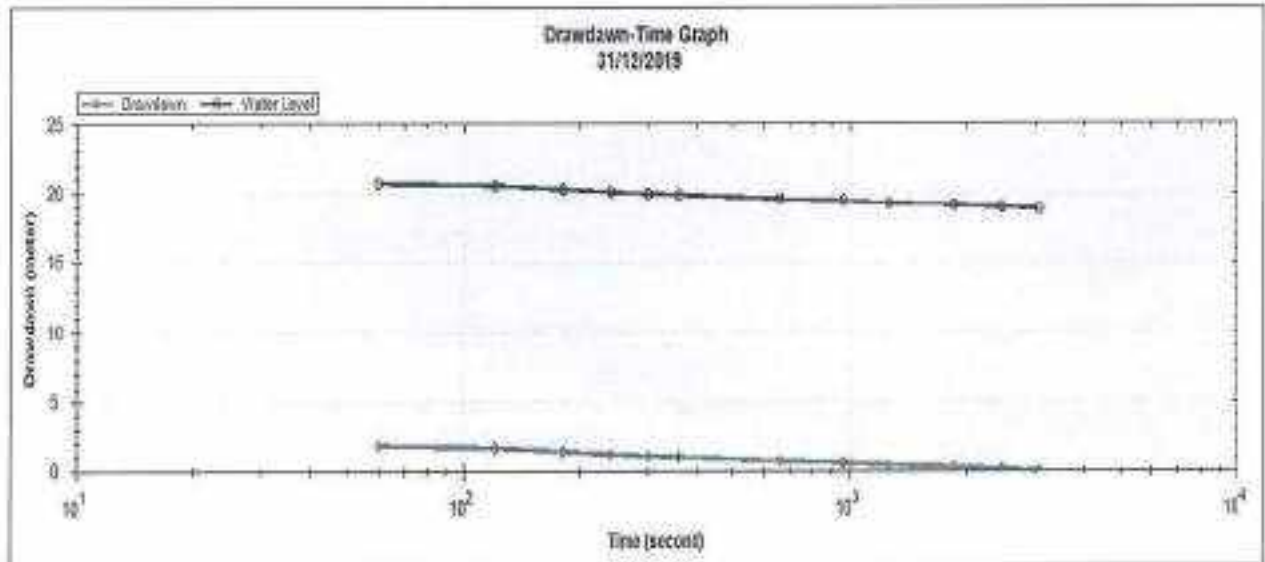


Table 4.3 Data of Pumping & Recovery Test of Sorsapada

Location-4

Pumping and Recovery test Data							
Location Of Borewell		Sorsapada					
Coordinates		19° 9'22.43"N 83° 4'S.14"E					
Date		12.12.2020					
Motor capacity		7.5 HP					
Rate of Discharge		0.004 m ³ /s					
SL NO	Time of Measurement	Interval Time (in Second)	Pumping Data		Recovery Data		
			Water level in meter	Draw Down in Meter	Interval time in Second	Water level in Meter	Residual Drawdown
1	8.0 am	0	18.82	0	0	20.74	1.92
2	8.01 am	60	18.92	0.1	60	20.59	1.77
3	8.02 am	120	19.01	0.19	120	20.32	1.5
4	8.03 am	180	19.09	0.27	180	20.12	1.3
5	8.04 am	240	19.15	0.33	240	20.03	1.21
6	8.05am	300	19.19	0.37	300	19.99	1.17
7	8.06 am	360	19.25	0.43	360	19.92	1.1
8	8.11am	660	19.39	0.57	660	19.61	0.79

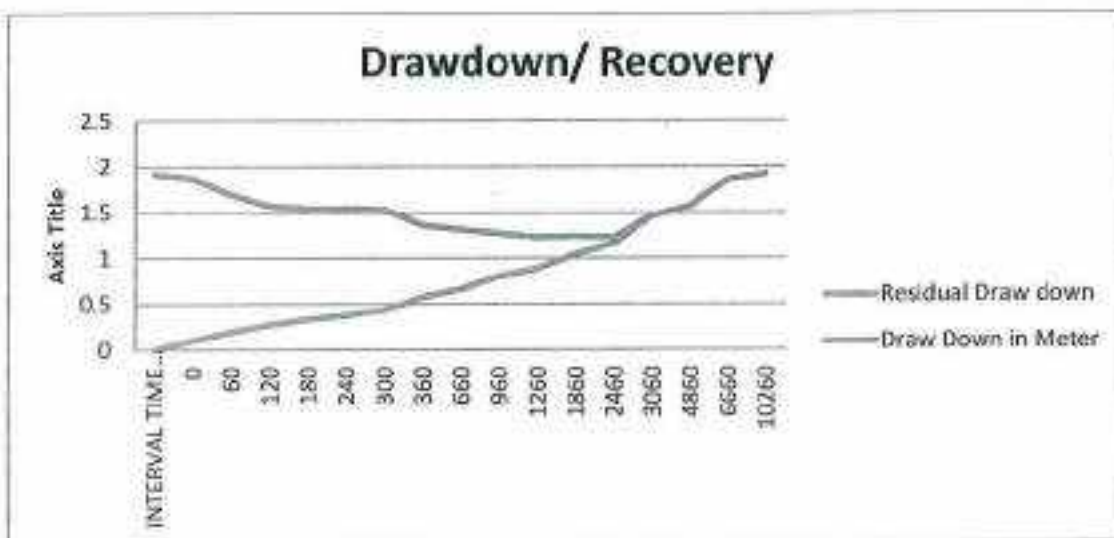
Figure 4.11 Recovery Test Data Plot of Sorsapada Observation Well



Transmissivity (M3/day) 48.81

Horizontal hydraulic conductivity(m/Day): 586.13

Figure 4.12 Graph showing the Sorsapada Drawdown vs Recovery



The data were plotted and interpreted in standard computer softwares and the same is. Data analysis was carried out following Jacob Recovery method. A perusal of data shows that the average transmissivity of the aquifer of each location as follows



Table 4.5 Average Transmissivity of the Aquifer of each location

SI No	Location	Transmissivity m ³ /day	Horizontal Hydraulic Conductivity(m/Day)
1	Sadinayagada	96.460	1088.31
2	Phuljuba	47.735	525.095
3	Biriguda	99.011	1203.34
4	Sorishapadara	53.175	638.18

Hydrochemistry

For assessing the baseline water quality in the study area, ground water samples were collected. The sampling locations were selected based on reconnaissance survey with the following consideration:

- Location of water recourses; and
- Location of areas representing different activities

Monitoring Locations and Methodology

Water samples (Phreatic zone) from 8 locations were collected. The samples were collected in sterilized plastic cans to assess the existing water quality of the study area during the study period. In addition, samples from the tube wells constructed & nearby surface water sources were also collected. The samples were analyzed for essential physical, chemical and bacteriological parameters as per the Bureau of India Standards IS: 10500 specifications. The samples were analyzed as per standard procedure / method given in IS: 3025 (different parts) and Standard Method for Examination of Water and Wastewater Ed 20, published jointly by APHA, WWA and WPCF. The detailed physio-chemical characteristics of ground water samples collected within the study area are presented in table below:

Table 4.6 Average Chemical Characteristics at each location

SI	Location	Type	pH	EC	HCO ₃	Cl	TH	Ca	Mg	Na	K	TDS	F	SO ₄	NO ₃
1	Sadinayagada	GW	7.48	264	134	14	105	28	8.5	8.1	1	158	-	-	-
2	Phuljuba	GW	7.6	210	-	21.9	109	37	4.9	-	-	145	0.4	2	0.4



3	Biriguda	GW	6.9	225	-	23.6	100	32	4.8	-	-	147	0.4	5.2	1.5
4	Sorishapadara	GW	7.64	301	140	21	130	30	13	13	18	181	-	-	-
5	Thuordi	GW	8.04	528	79	122	140	40	9.7	44	1.8	317	0.3	-	4.2
6	Poda padi	GW	6.8	285	-	79	60	12	7.3	-	-	166	0.2	3.3	0.5
7	Jamuguda	GW	7.9	419	-	21.9	210	68	9.7	-	-	278	0.6	3.6	0.4
8	Bhalujori	GW	8.04	713	323	71	240	76	12	36	3.7	428	1.6	-	0.9

Source: CGWB

The review of the above data indicates that the ground water quality of the area is portable. The different parameters are well within the permissible limits of human consumption and ground water is well suited for most types of irrigation requirement.

4.5 GROUND WATER EXPLORATION

Exploratory drilling has been taken up by the Central Ground Water Board in Raygada district with the objective to delineate deeper water bearing fractures in the consolidated formation and their yield potentiality within a maximum depth of 200m. Till March 2018, 43 exploratory and 6 observation wells were drilled in hard crystalline and semi-consolidated formations and 1 EW and 1 OW drilled in unconsolidated formation in the district under Normal Ground Water Exploration Programme and Accelerated Exploration Drilling Programme. The depth range of these wells varies from 32m to 200 m below ground level. The thickness of the overburden ranges from 5.5 to 35.5m. The yield of exploratory wells vary from negligible to 25 LPS. Formation wise yield range of the wells is given in the table 4.6.

Table 4.6 Details of Exploration (Litho unit wise)

Lithological Unit	No. of Wells	Depth range of wells (mbgl)	No. of wells with yield (LPS)		
			<2	2-5	>5
Granite and granite gneisses	25	82.1-200	8	4	2
Khondalites, Charnokites and Calc silicate rocks	12	141-193	2	3	1



Sandstone and shale	2	125-200	3	2	2
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Source: CGWB

4.6.1 DEPTH TO WATER LEVEL (PRE-MONSOON AND POST-MONSOON, 2018)

The depth to water level is measured from the 14 National Hydrograph Stations situated in different blocks of the Raygada District. The Pre monsoon, 2018 water level data varies from 1.05 mbgl to 12. mbgl. The shallow water level was measured from Padampur and the deepest water level was measured at Kashipur. The depth to water level data of Post-monsoon, 2018 represents 1.14 mbgl to 11.62 mbgl. The Gunupur shows deepest water level and Raygada shows shallowest one.

Seasonal Fluctuation

The fluctuation of depth to water level in 2011 shows rise in water level from 2.95 to 7.37mbgl in all the NHS wells.

Long Term Water Level Trend in Last 10 years in Ground Water Monitoring wells

The long term trend (10 years) in water level for the **pre-monsoon** shows rise of 0-2m in 53.8% of wells and 2-4 m rise in 7.7% of wells in Raygada district. It represents 30.7% of wells fall between 0-2 m and 7.7% fall between 2-4 m. The long term trend of (10 years) in water level for **post monsoon** season shows rise in water level for 0-2m in 58.8% of wells and 2-4 m rise in 11.8% wells in the district . Only 29.4 % wells show fall between 0-2 m.

4.6.2 STAGES OF GROUND WATER DEVELOPMENT

Sl No	Block	Net Annual Ground Water Availability	Existing Gross Ground Water Draft for Irrigation	Existing Gross Ground Water Draft for domestic & Industrial Supply	Existing Gross Ground Water Draft for all uses	Provision for domestic & industrial requirement supply for next 25 years	Net Ground Water Availability for future irrigation development	Stage of Ground Water Development
		(ham)	(ham)	(ham)	(ham)	(ham)	(ham)	(%)
1	2	3	4	5	6	7	8	9
1	Kashipur	5626	213.	334.00	547.00	443.00	4970.0	9.72
2	Muniguda	6937	435.	316.01	751.00	58.00	6224.0	10



3	Ramanaguda	7146	1285	165.01	1450.00	165.00	5696.0	20
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Based on the CGWB data as above, it is apparent that the utilization of GW in the study area is very low and therefore the net availability of GW is more. With the low stages of development, it is assumed that the area is safe for GW Exploitation.



CHAPTER 5

HYDROLOGICAL FEATURES OF THE AREA

Based on the local geomorphology, contour & land forms, the adjacent water shed areas around the proposed locations is considered for surface and ground water impact on the area. The ground water assessment is primarily done based on the sub soil conditions, water level fluctuation and identification of water table dimension for discharge principle. The water table conditions and flow is been estimated from the properties of sub strata and direction of flow with gradient as well as model outputs.

5.1 Land Use of the Watershed Area

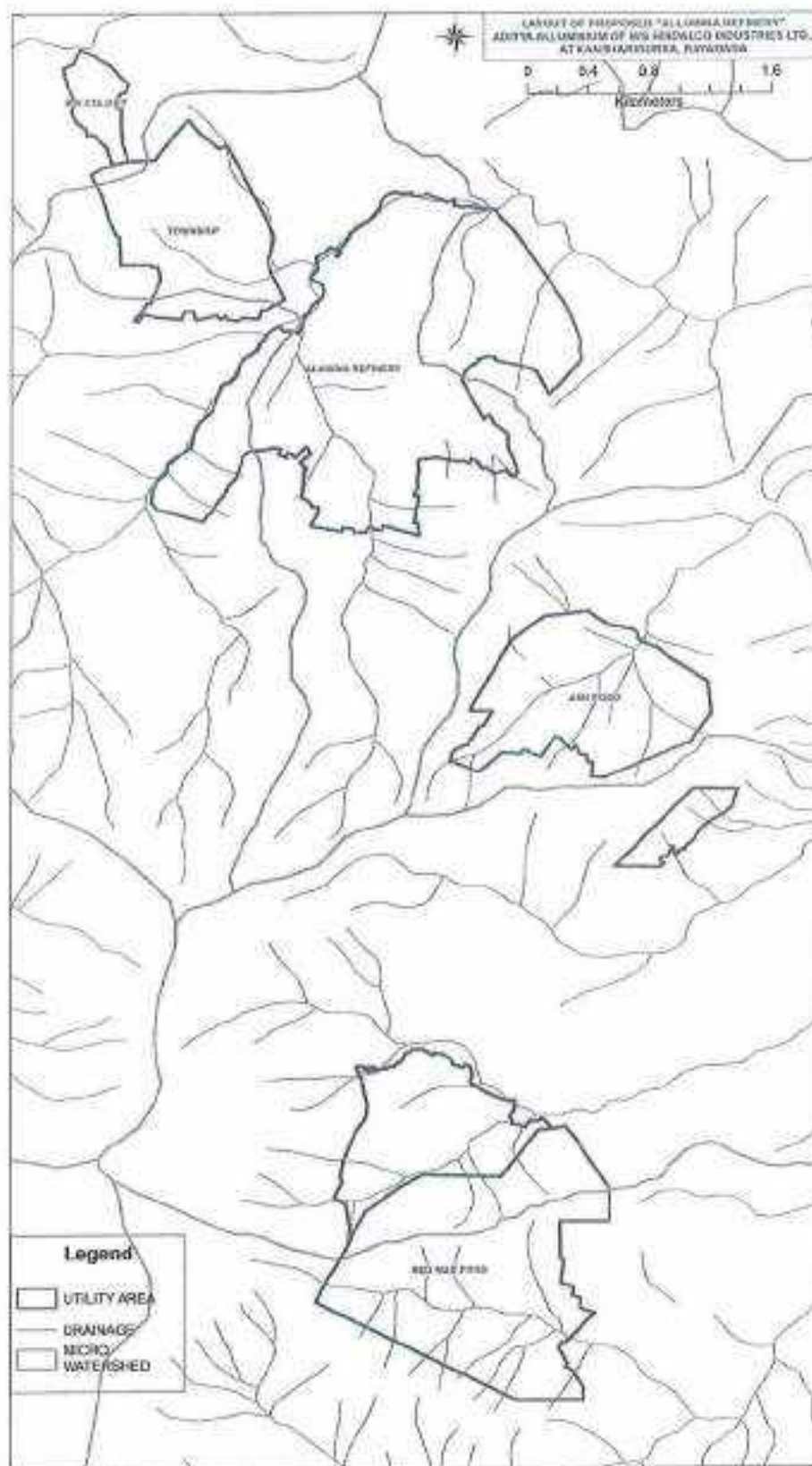
5.1.1 Watershed Area

Based on the local Drainage and Morphology and as per National Watershed Mission's designated watershed area the given area comes under three major watershed areas with general slope towards the South Side of the Location as per the given Map below:

Table 5.1: Land Use Statistics for the Watershed Area

LAND USE TYPE	AREA IN Ha
CROP LAND	629.09
GROVES	1.00
OPEN FOREST	5.46
PLANTATION	2.63
RAILWAY	0.35
ROAD	11.15
SCRUB FOREST	53.03
SCRUB LAND	112.59
SETTLEMENT	8.99
Total	824.29



Figure No 5.1: Watershed Coverage Area with Drainage

6610 -

5.1.2 Drainage Characterization

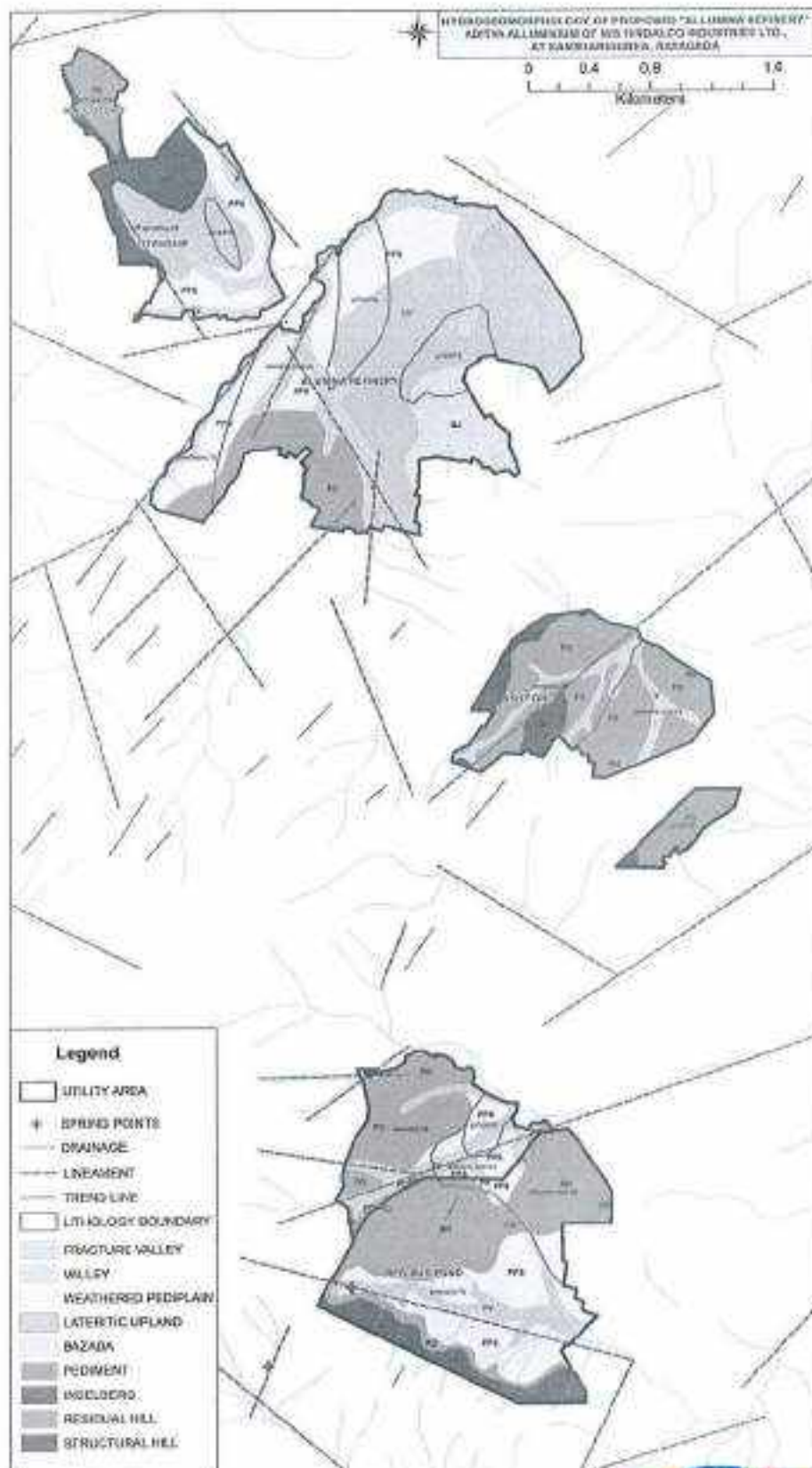
The local Drainage Pattern is analyzed for the surface runoff estimation for the covered watershed area and the drainage channels are cauterized as per the table given below:

Table No 5.2: Drainage Channel Details

Order of Drainage	Total Count	Length within the Watershed Area in Km
1	25	28
2	5	7.5
3	2	6



Figure No5.3: Slope Map of the Watershed Area



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5.2 SLOPE ANALYSIS

The general slope of the area is from N to SW direction. The higher topographic features are indicators for higher slope in the Watershed Area and also to the south part of the location. Further the lower slopes are towards the South-East direction, indicative of the local drainage pattern. Due to gentle to moderate slope of the area, it is drained by mostly first order channels.

Table No 5.3: Slope Analysis of Proposed Locations

Location	Slope	Area in Ha
Ash Pond	1-3%	2.713
	3-5%	14.94
	5-10%	48.768
	10-15%	14.01
	15-35%	11.517
	>35%	7.02
Total Area		98.968
Red Mud Pond	1-3%	1.313
	3-5%	16.001
	5-10%	87.062
	10-15%	44.412
	15-35%	79.921
	>35%	43.437
Total Area		272.146
Refinery Area / Plant Area	1-3%	58.112
	3-5%	109.964
	5-10%	115.585
	10-15%	17.748
	15-35%	10.54
	>35%	0.323
Total Area		312.272
Township Area	1-3%	15.586
	3-5%	23.64
	5-10%	32.361
	10-15%	9.567
	15-35%	17.164
	>35%	15.267
Total Area		113.585



5.3 VERTICAL ELECTRICAL SOUNDING TEST

VES TEST: Vertical Electrical Sounding (VES) tests have been conducted in the area designated for the plant site to study the aquifers and ground water availability. The sounding tests have been conducted at 3 (Three) sites so as to cover the longitudinal and transverse sections of the area as shown in Table below:

Table 5.4: VES TEST SITES

Raw Resistivity Data			
Electrode Spaciation	p-Location 01	p-Location 02	p-Location 03
Distance in m	19° 6'54.60"N 83° 5'46.59"E	19° 6'55.89"N 83° 5'38.44"E	19° 6'33.85"N 83° 5'56.52"E
10	135	128	220
20	144	135	342
30	242	321	380
40	354	410	521
50	1220	980	1620
60	1160	1260	1460
70	468	524	550
80	256	310	220
90	250	270	390
100	187	144	198

Figure 5.4: Location Map of the VES Test



METHODOLOGY: The geophysical sounding test measures variations in the electrical resistivity of sub-surface formation layers by applying electrical currents across arrays of electrodes inserted in the ground to determine the physical characteristics of formations in terms of water availability.

Two current electrodes and two non-polarising electrodes are set out in a standard configuration known as Schlumberger's configuration. A low frequency current is applied across the two outer electrodes and the voltage is measured across the inner electrodes by a DC Resistivitymeter. The apparent ground resistivity is computed from the recorded values of current in mA and potential difference in mV at different electrode separation. Models of vertical variations in ground resistivity are obtained using an expanding electrode array centered on a reference point. Depth penetration increases with electrode spacing.

The resistivity readings are processed in computer to determine the thickness and true resistivity of subsurface electrical layers. A curve is generated in log-log graph taking the current electrode spacing and the apparent resistivity value for each site for interpretation. The results are correlated with local geology and the subsurface litho layers are interpreted.

HYDROGEOLOGY: This area is covered with weathered and fractured granites, Granite Gneisses and their variants, Khondalites, Charnockites etc. The lithounits present in the area are Granite & Granite Gneises, Khindaalite, Chamokite and Calc Rocks and Sandstone & Shale. From various studies and CGWBA's observations, it is indicated that granite gneiss forms the most potential aquifer both in shallow and deeper horizons followed by Khondalite.

VES DATA INTERPRETATIONS: The results of VES tests conducted at 3 (Three) sites reveal that 3 to 4 different electrical layers are there up to 100m depth below ground level. These electrical layers have been interpreted basing on the local geology. The weathered and fractured formations are considered to be water bearing layers or aquifers. The quantum of water and rate of discharge depends on the texture, porosity and thickness of aquifer materials. The VES test result for each site is given below.

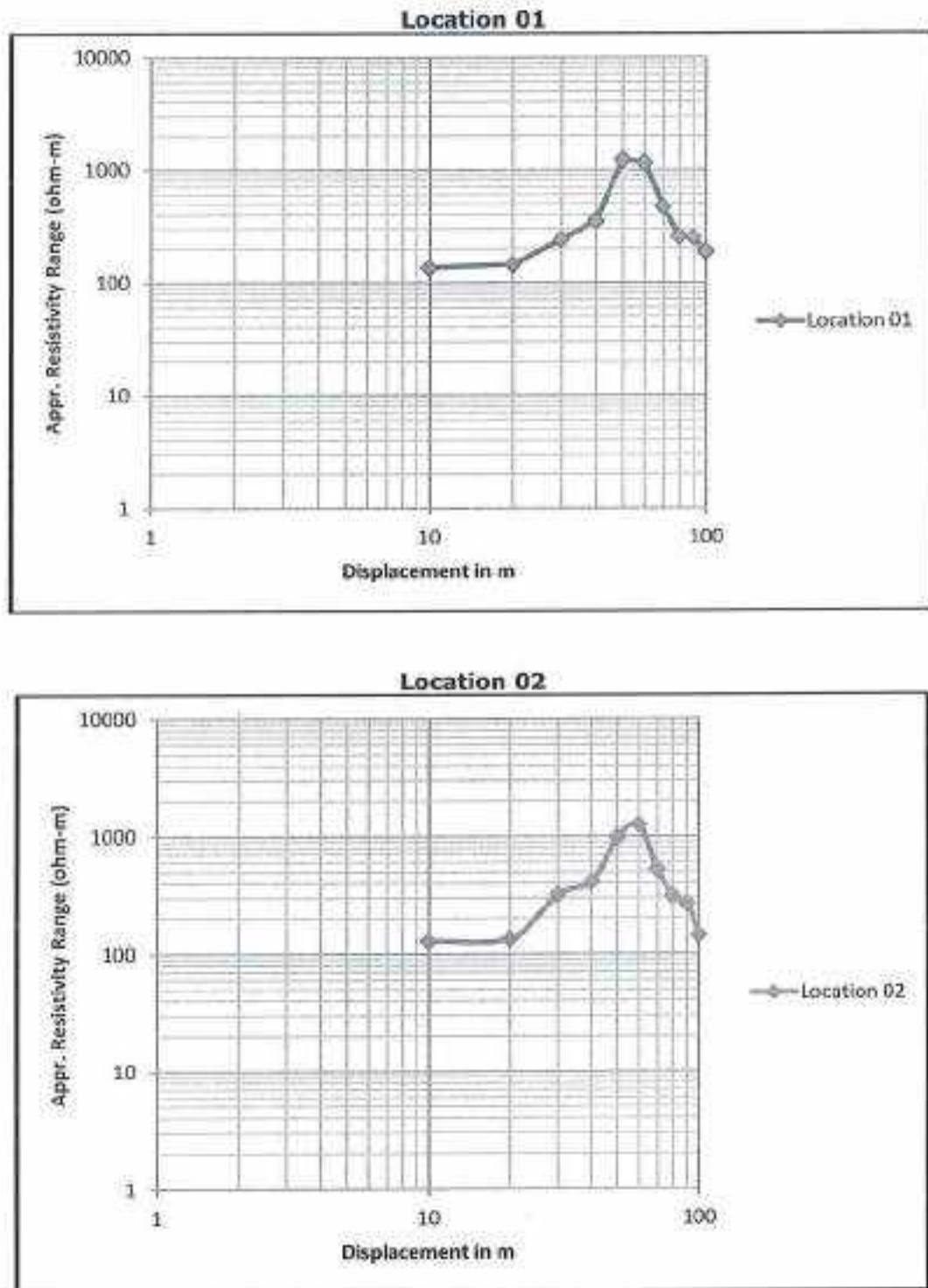
5.3.1 VES TEST RESULTS

CONCLUSION: The interpreted results of geophysical sounding tests at all the sites show that there are 3 to 5 resistivity layers in the study area, which are



correlated with available bore logs. The layers having moderate resistivity values between 100 to 500 ohm-m are considered to be water bearing aquifer zones.

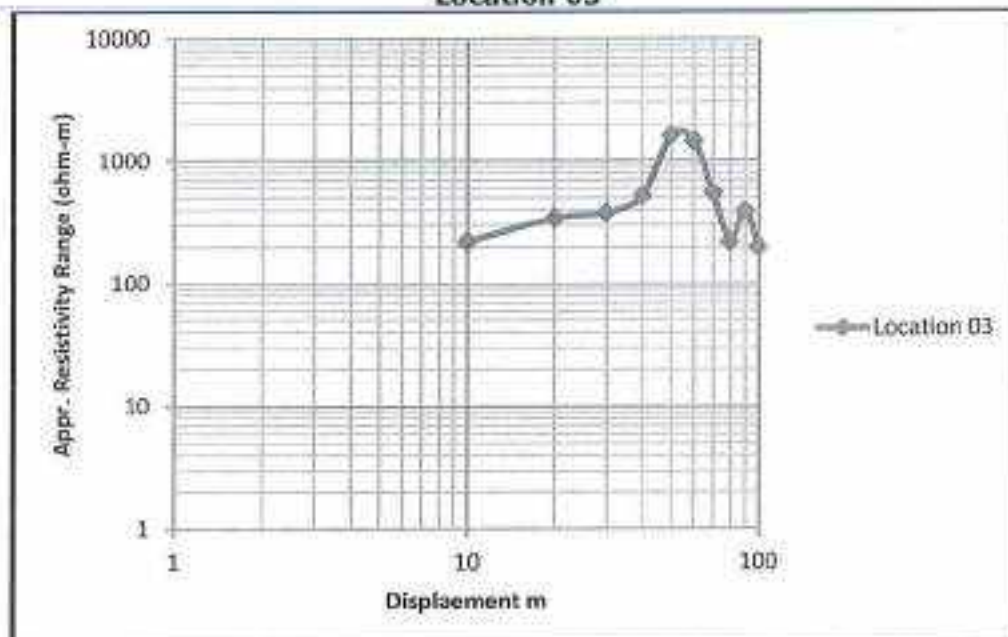
Figure 5.5: INTERPRETED CURVES



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Location 03

**Interpreted Result:**

Based on the resistivity data four sub-surface zones are identified as representative of the area. The higher resistance zones are considered to be water bearing or saturated zones as represented between 15 to 22 m BGL. Also from the lithological profile, it is evident that the layer of saturation is in Silty/ Sandy Clay layer derived from the highly weathered laterite on the top. The high hydraulic conductivity signifies higher degree of weathering on top of Bauxite deposits. This is also been confirmed from the bore-log data.

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CHAPTER 6

HYDRAULIC CHARACTERISTIC & GROUND WATER POTENTIAL

6.1 GROUND WATER RESOURCE ESTIMATION

The Ground Water Resources of the district has been assessed adopting the methodology recommended by the Groundwater Estimation Committee (1997), constituted by Govt. of India. The task was jointly carried out by the Central Ground Water Board and Ground water Survey and Investigation, Department of Water Resources, Govt. of Orissa. The Annual replenishable ground water resources in the district are computed as 0.65681 (BCM), out of which the existing Ground Water Draft for Irrigation is 0.0469 BCM. The ground water draft for Irrigation is through dug wells and shallow tube wells. A large number of hand pumps fitted in PHED bore wells and tube wells also cater to the rural and urban water supply needs. On the basis of the estimated ground water potentials a detailed scheme for ground water development may be launched in the district. So far ground water development in the district has been meager, and all the blocks fall under the safe category. The stage of ground water development varies from 8.57 to 25.78 percent in different blocks. The overall Stage of Groundwater development of the district is 14.44 percent. There is ample scope for stepping up ground water development in the district. The major source of recharge from rainfall (24 percent) and other source contribute only 9 percent towards total recharge of 34 percent with net ground water accounting to 31 percent.

6.1.1 Bore log Analysis

A total of 117 bore holes were dug in the major 5 segments or zones of (i) Red Mud Pond; (ii) Ash Pond; (iii) Core Plant; (iv) Rehabilitation centre; & (v) Township.

REDMUD POND AREA

In the Red Mud Pond Area 19 Nos. of bore & were conducted upto a depth of 20 m. The top soil is mostly loose with grass root which extends up to 0.5 m. The strata up to an average depth of 8.00 m comprises of clay, sand, and clayey sand. S.P.T. value ranges from 15 to 30. The average strata in this area are as given below:-



Sub-soil condition

The sub-soil can be sub-divided into the following :-

Stratum	Description of strata	Average thickness
1	Reddish/grey sandy soil	5.50 m
2	Grey to ash colour/red sandy clay with pebbles and sand stone	5.5 to 10.00 m

The upper strata below 5.5 M is generally sandy with fine sand, and occasionally with rounded pebbles. The crust formation has not been indicative due to presence of high percentages of sand along with lateritic material soil. The 'N' value in this strata is various from 10 to 35.

Below stratum 1, stratum 2 consists of lateritic sand and heterogeneity with the result that the 'N' value varies from 30 to 50. In certain places the 'N' value increases due to heterogenic strata and presence of small stone boulders.

ASH POND AREA

In the Ash Pond Area, 13 Nos. of investigation were conducted up to a depth of 10 m.

Stratum-1

In this area, the sub-soil in general goes up to an average depth of 4 m and comprises of sandy clay/ silty-clay with presence of pebbles and stone boulders. The 'N' value in these strata varies from 12 to 25. Below this, up to a depth of 10 m. comprises of moorum with lateritic formation and the color varies from grey to brown or yellow to brown. The 'N' value in this strata varies from 30 to 60.

PLANT AREA

In core plant area 76 number of borings were done up to a depth of 25 M. The general classification of strata are as follows :-

Stratum - I

In this area, the top strata to an average depth of 5.0 m comprises of clayey sand or silt clay with small size pebbles and stray boulders at certain places. The average 'N' value varies from 10 to 25. In certain areas where loose layers exists the 'N' value comes from 10 and other areas it goes up to 25.

Stratum - II

This stratum varies from an average depth of 5 to 15 m mostly lateritic type of soil with sand and inter bedded pebbles. The color is reddish brown to yellowish brown. The 'N' value varies from 30 to 55. The strata is generally hard.



Stratum – III

This stratum, below 15 M upto a depth of 22 M comprises of hard lateritic sandy stone highly weathered with medium fine grey sand. This stratum consists of highly weathered rock having percentage of rock materials . The 'N' values are generally greater than 80.

Stratum – 1V

This stratum comprises of blackish to grey colored rock having high crushing strength. This stratum consists of high parent rock materials.

Cone penetration test was not possible in this strata and extrapolated 'N' values in this strata are of the order of 200 depending upon weathering.

TOWNSHIP

7 Nos. of bores were done up to an average depth of 10 m. The top layer up to an average depth of 4.5 m comprises of dark brown weathered clay with moorum and sand. The minimum 'N' value in this area 15 and maximum 'N' value is 30. Below this layer up to a depth of 10 m is lateritic type of soil with pebbles. Boulders are also available in certain area. The 'N' value in this strata varies from 35 to 65.

REHABILITATION CENTER

2Nos. of bore holes have been done upto a depth of 10 M. The top layer up an average depth of 8 m consists of reddish to brown color sandy clay and the 'N' value is upto 12 to 40.

Stratum 11- The stratum below mostly consists of clayey sand and moorum and lateritic type of pebbles. The minimum 'N' value varies from 45 to 55.

6.1.2 Ground Water Potential

From the lithological profile of the bore log and peripheral tube wells & dug wells piezometric level as well as from the geo physical survey, it is inferred that an unconfined aquifer zone exist. Between 18 to 24 mtrs below ground level and probably confined aquifer exist below 130 to 139 mtrs below ground level. The hydraulic gradient is estimated from the draw down test conducted.

Considering the bore well test data the average Transmissivity of the area is estimated at $T = 74 \text{ m}^3/\text{day}$ and Hydraulic Conductivity, $K = 863.73 \text{ m/day}$.

The primary ground water potential of the area depends on the area of recharge within the given watershed conditions as well as the general gradient of the water table. Considering the area as intermountain plateau the seepage is estimated



using Darcy's equation which states that flow is directly proportional to surface area of aquifer exposed and the gradient of water table

$$Q \propto KI A \text{ which is } = TIA$$

Where,

Q = rate of flow

I = water table slope

A = cross section area of aquifer exposed in mine pit

The above relationship may be written as $Q = TIA$ or $Q = (Kb)IA$

Where k is permeability, b is aquifer thickness

Therefore the rate of inflow = Transmissivity \times Slope

$$74 \times 0.003 = 0.222$$

$$0.0222(863.73 \times 7) = 134.22 \text{ m}^3/\text{day}$$

Hence, permeability is $k = 134.22 / 7/24/60/60 = 0.000222 \text{ m/sec}$. Here the length of aquifer exposed at the depth of weathering define the area of aquifer exposure. Due to unconfined nature of aquifer steady state flow condition is assumed at both the ends. It is also assumed uniform distributed recharge occurs across the lease area as a result of surface infiltration and the ground water flow toward the lower slope is actually symmetric.

6.2 WATER BUDGET

Project Requirement:

According to project proposal the water requirement by the industry is estimated at $20,000 \text{ m}^3/\text{day}$ or $66,00,000 \text{ m}^3/\text{year}$ which is translated to 660.00 HaM .

Total Water Demand of the Area

Local village population water demand is around $1650 \text{ m}^3/\text{day}$

Therefore, annual demand would be 602250 m^3 per year which is 60.02 HaM .

Therefore, projected ground water demand is equal to:

$$660 + 60.02 = 720.02 \text{ HaM.}$$

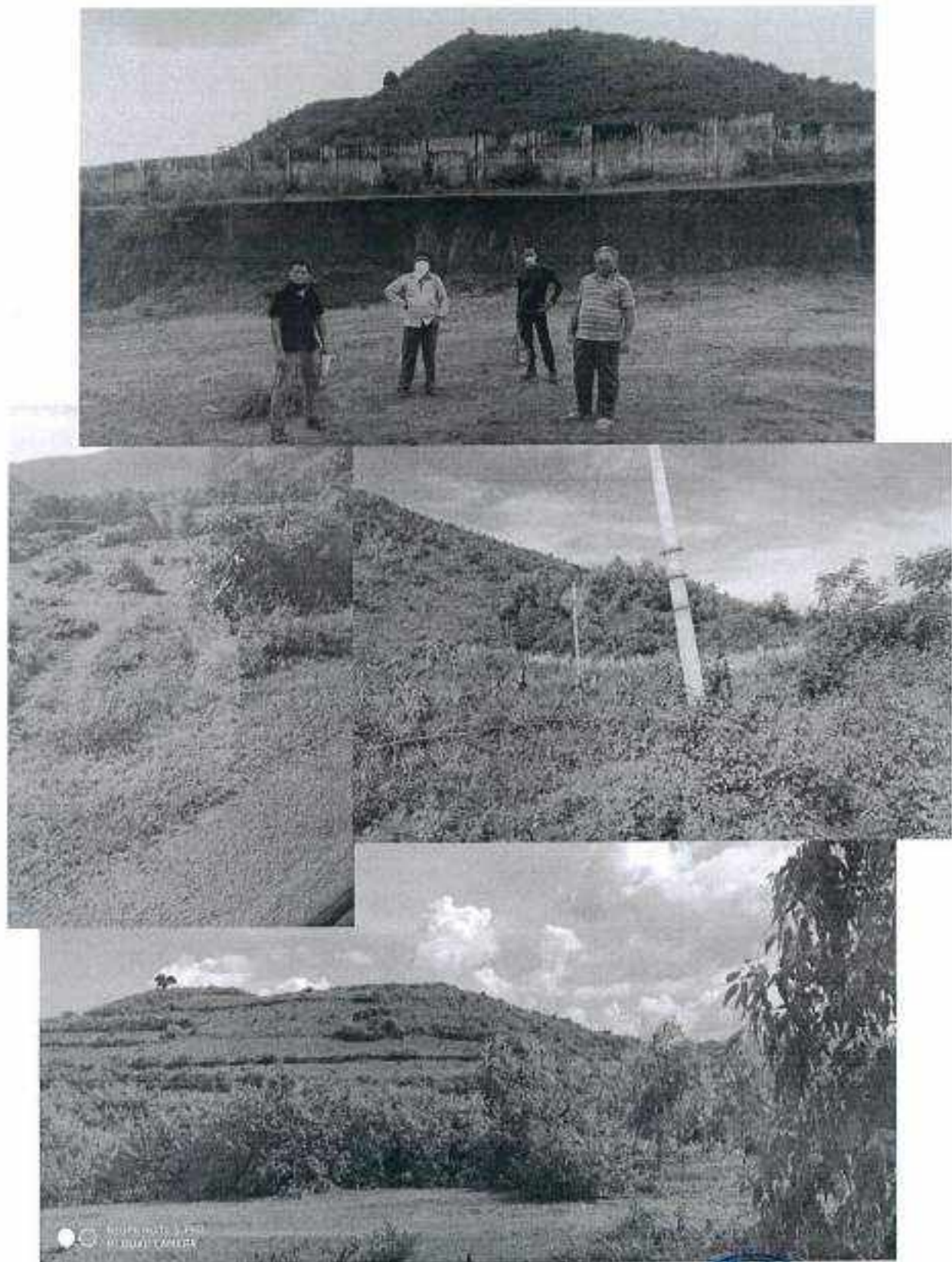
Quantity of rainwater percolation in the area is estimated at $859 \times 100000 \times 1.640 \times 0.17 = 16905120 \text{ m}^3 / \text{year}$ or 1690.5 HaM . Therefore the net ground water flow in downstream is positive. Hence there will be hardly any impact due to the project even if all industrial water is drawn from GW sources.



CONCLUSION

The area of the proposed site and surrounding watershed constitute the inter-mountain valley with undulating terrain having highest elevation of 1012 mtr AMSL and 850 m AMSL as lowest elevation characterized by dendritic drainage pattern. From various studies of bore well logs, and resistivity survey data, it was identified that there are 3 distinctive hydro geological formations stretching to a depth of 100m BGL beyond which lies the hard granitic rock. Based on the nature, topography hydraulic conditions in bore well and open wells it is deduced that a zone of phreatic unconfined aquifer conditions exist between a depth of 18-24mtrs BGL having a hydraulic gradient of 0.003mtr and conductivity of 2.5×10^{-5} attributed by weathered Khondalites. From the pumping test the transmissivity was determine to be 134.22 m^3/day which is an indication of degree of compaction along with the permeability of 0.000222 m/sect and hydraulic conductivity at 863.73 m^3/day . The rechargeable ground water potential from the total water shed area is estimated at 1690.5 HaM with annual local demand of 720HaM. Therefore the proposed industrial activity hardly shall impact the regional demand of ground water in the area.



PHOTOGRAPHS OF THE AREA



Ardra Consulting Services (P) Ltd

An ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 Certified Company

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Annexure-21

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that we will carry out Hydrological study for water table and contamination of water bodies around the Red Mud Pond area in regular interval.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH17958PLC00238




Annexure-22

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that Bio-remediation with high density afforestation will be taken up concurrently and by dividing the Red Mud Pond into blocks where solid substrata (solid residue of the Red Mud Pond) shall be "bio remediated" and planted with suitable species progressively and concurrently throughout the period of the Project.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27920MH1958PUC01238



Annexure-23

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd., do hereby undertake that Environmental Clearance will be obtained as per the provisions of Environment (Protection) Act, 1986, prior to commencement of work.

For Hindalco Industries Ltd.

(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH1958PLC011238



Annexure-24

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that we will deposit the cost of felling of trees with the State Forest Department after getting the demand notice. We further undertake that we will explore the possibility of successful transplantation of maximum number of trees identified to be felled and also ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH1958PLC01238



Annexure-25

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that we undertake that no labour camp will be established on the forest land and will 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.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH1958PLC01E238



Annexure - 26

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that we will not use or construct any additional or new path inside the forest area for any activity related to the project work.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH1958PLC011238



Annexure-27

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that we undertake that while executing work, will not fell any tree or damage forest growth in the surrounding forest area in any manner.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

J-6, Jaydev Vihar Bhubaneswar - 751013, Odisha, India

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Corporate ID No. L27020MH1958PLC011238



Annexure-28

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that the layout plan of the proposed forest land will not be changed without the prior approval of Ministry of Environment, Forest & Climate Change.

For Hindalco Industries Ltd.

(Dr. Rama Chandra Rout)
Authorized Signatory

A handwritten signature in blue ink is written over a circular blue stamp. The stamp contains the text "HINDALCO INDUSTRIES LIMITED" around the perimeter and "BHUBANESWAR" in the center.

Hindalco Industries Limited

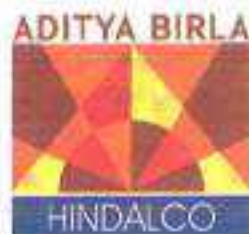
J-6, Bhydev Vihar Bhubaneswar - 750013, Orissa, India

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Corporate ID No. L27020MH1958PLC01238



Annexure -29

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that the forest land shall not be used for any purpose other than that specified in the proposal.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH0958PLC010238



Annexure -30

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that the forest land proposed to be diverted shall under no circumstances be transferred to any other user agency, department, or person without the prior approval of Ministry of Environment, Forest & Climate Change.

For Hindalco Industries Ltd.

(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH1958PLC01238



Annexure-31

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that no damage to the flora and fauna of the adjoining area shall be caused.

For Hindalco Industries Ltd.

(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH1958PLC01238



Annexure-32

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that we will submit annual self-monitoring report on compliance of stipulated conditions to the Nodal Officer (FCA) of the State and concerned Integrated Regional Office of this Ministry by the end of March every year.

For Hindalco Industries Ltd.

(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH-0958PLC011238



Annexure-33

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that we will comply any other conditions that the Ministry of Environment, Forests & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area.

For Hindalco Industries Ltd.

(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH1958PLC011238



Annexure-34

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that we will ensure compliance to provisions of the all Acts, Rules, Regulations, Guidelines, NGT Order (s) & Hon'ble Court Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



Hindalco Industries Limited

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Corporate ID No. L27020MH1958PLC011238



Annexure -35

UNDERTAKING

I, Dr. Rama Chandra Rout, Asst. Vice President and Authorized Signatory, Hindalco Industries Ltd, do hereby undertake that we will abide by all the stipulated conditions and Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in Para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No.5-2/2017-FC dated 28.03.2019.

For Hindalco Industries Ltd.


(Dr. Rama Chandra Rout)
Authorized Signatory



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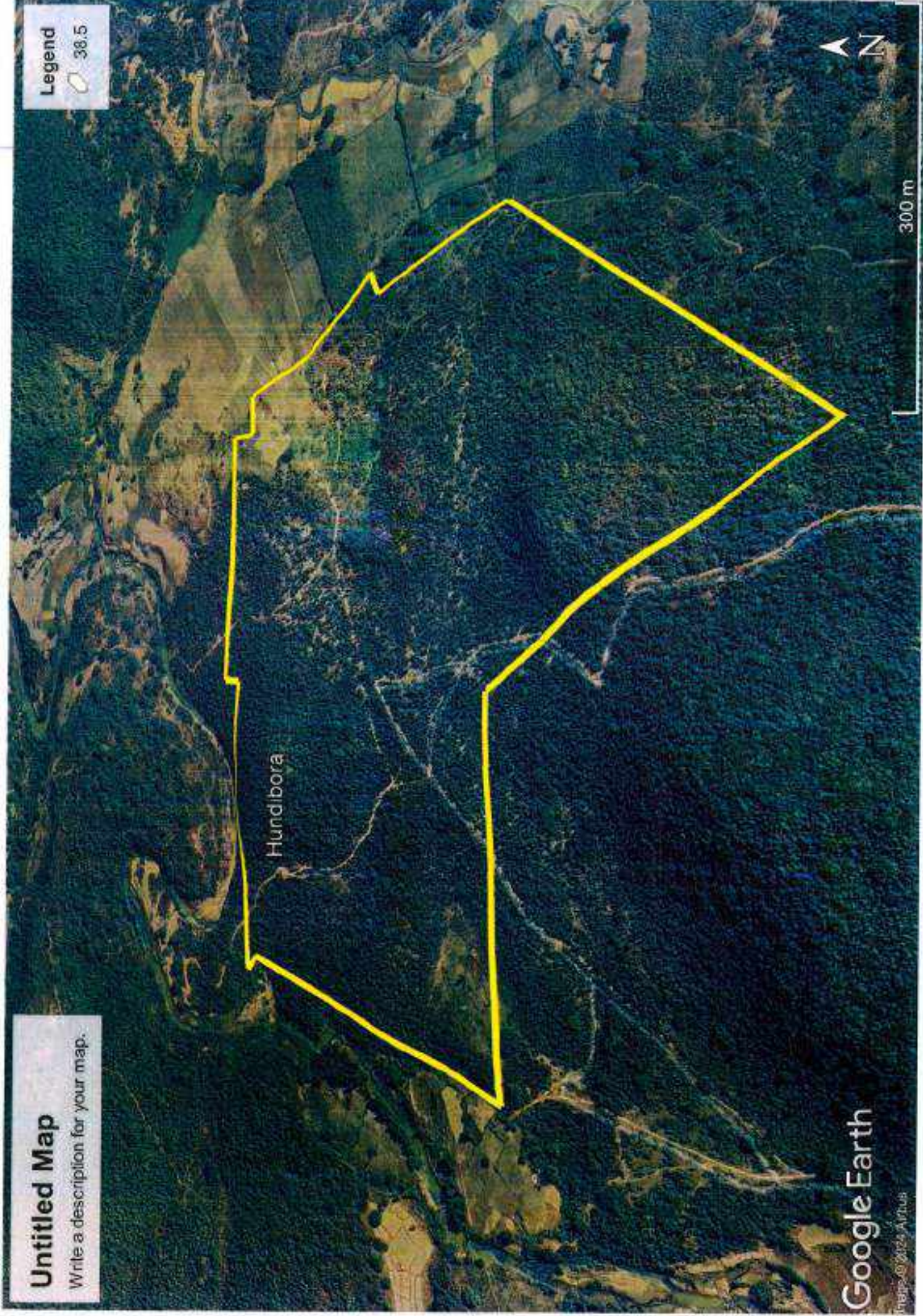
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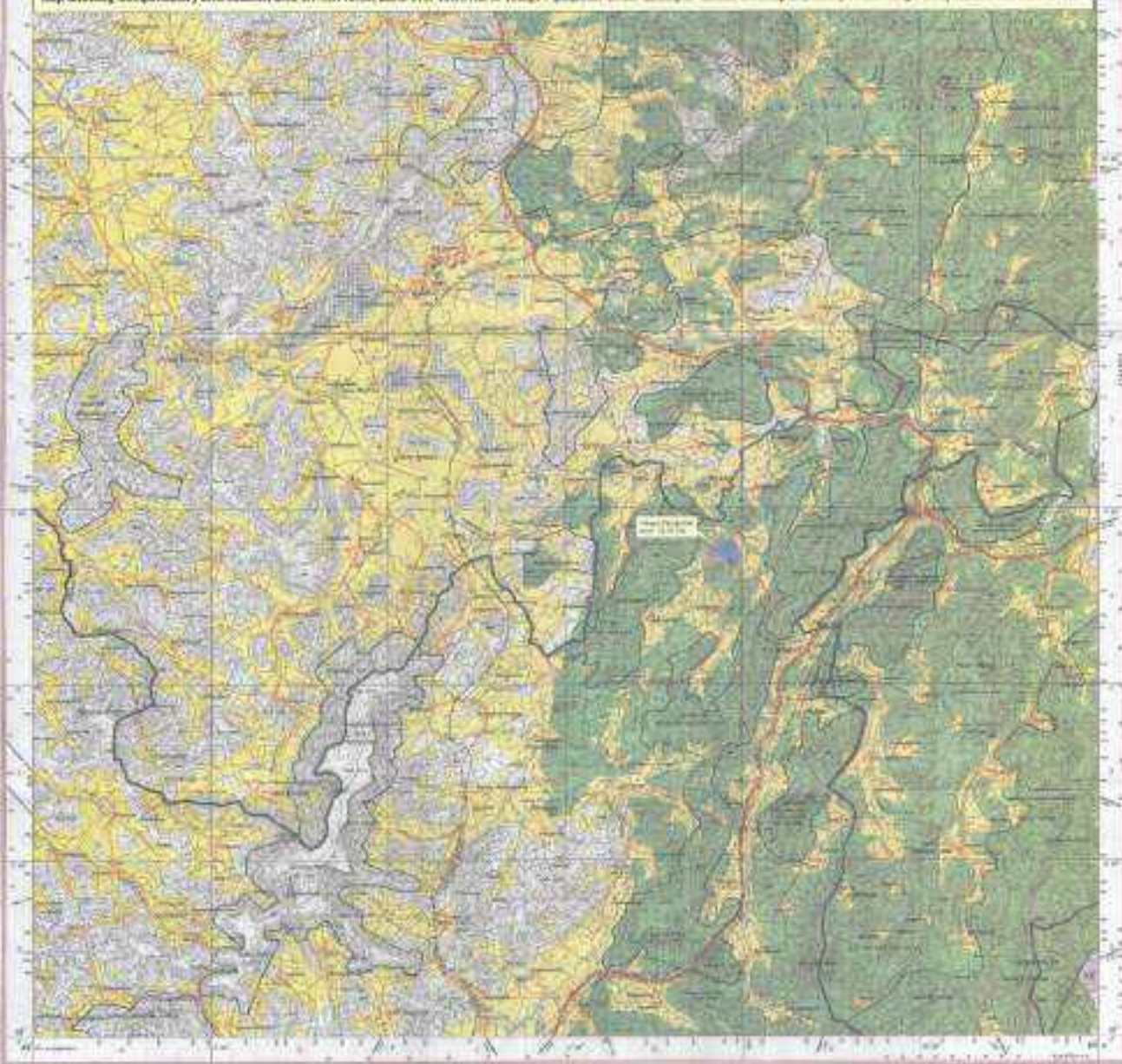
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Map showing Compensatory afforestation area on Non-Forest Land over 06.56 Ha. in Village-Panchayat Under Lakshmi Taluk of Koppal District, of Mysuru District, Hindalco Industries Ltd.



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Dr. James C. Stephens, Jr.
Associate Vice President, Academic Affairs