6F. 11-1-23

AM/NS INDIA

Ref. No.: AMNS / TPL/ 2023 / 01-01
Dated : 11.01.2023

To
The Divisional Forest officer,
Keonjhar Forest Division,
Keonjhar, Odisha.

Sub: Diversion of 12.728 ha. of forest land for Laying of Tailing and Water Pipeline, Power and Communication cables from Beneficiation plant at Dabuna under Barbil Tahasil to Proposed Tailing Pond Site at Village Sankari under Banspal Tahasil of Keonjhar District by M/s ArcelorMittal Nippon Steel India Limited (Formerly known as M/s ESSAR Steel India Ltd.). ***(Proposal No. FP/OR/Others/31590/2018)***

X-Sub: Compliance Status of conditions stipulated against Stage-I approval accorded vide Letter No.5- ORC481/2021-BHU dt. 28.12.2021 of the Govt. of India, MoEF&CC, IRO, Bhubaneswar.

Ref: - **(i)** Letter No. F.No. 5- ORC481/2021-BHU dt. 28.12.2021 of Govt. of India, Ministry of Environment and Forests, IRO, Bhubaneswar.

(ii) Letter No. FE-DIV-FLD-0137-2021-596/FE&CC, Bhubaneswar dated 10.01.2022 of Director, Environment-Cum-Special Secretary to Government, Govt. Of Odisha, Forest, Environment & Climate Change Department.

(iii) Your Letter No. 763/Mining Dated- 01.02.2022, No. 765/Mining Dated- 01.02.2022 & 803/Mining Dated – 01.02.2022.

Dear Sir,

In inviting a reference to the caption subject, we are here with submitting the point wise compliance to the conditions stipulated in the Stage-I Forest Clearance granted by MoEF&CC, Govt. of India vide letter under reference (i) pertaining to Laying of Tailing and Water Pipeline, Power and Communication cables from Beneficiation plant at Dabuna to Proposed Tailing Pond Site at Village Sankari of AM/NS over an area of 12.728 ha and subsequent directives given by Special Secretary to Govt., F&E Department vide letter under reference (ii) is given as under:

A: Conditions which need to be complied prior to handing over of forest land by the State Forest Department.		
Sl. No.	**Stipulations in Stage-I Approval**	**Compliance**
1.	**Condition No. i** The user agency shall transfer online, the Net Present Value (NPV) of 12.728 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	DFO, Keonjhar vide letter No. 765/Mining Dt. 01.02.2022 has raised a demand of **Rs. 1,19,51,592 /-** (Rupees One Crore Nineteen Lakh Fifty One Thousand Five Hundred and Ninety Two Only.) towards NPV. The demand was vetted online by APCCF (FD

ArcelorMittal Nippon Steel India Limited
(Formerly Essar Steel India Limited)
Beneficiation Plant, Dabuna, Via - Joda
Dist.: Keonjhar - 758034
Odisha, India
Regd. Off: 27km, Surat-Hazira Road, Hazira, Surat
Gujarat 394270 India
CIN U27100GJ1976FLC013787
T +91 67 6724 2164
E contact@amns.in
W www.amns.in
A joint venture between ArcelorMittal and Nippon Steel Corporation
ArcelorMittal NIPPON STEEL

	(Civil) No 202/1995 and the guidelines issued by this Ministry vide its letter No.5-3/2007-FC dated 05.02.2009 The requisite funds shall be transferred through online portal in CAMPA account of the State concerned.	& NO, FC Act) and as per the challan generated through PARIVESH portal, the amount of **Rs. 1,19,51,592 /-** has been transferred vide **UTR No. SBINR52022022569188491 Dt. 25.02.2022** in the ORISSA CAMPA account. The copy of the demand letter by DFO and RTGS receipt in support of proof of the deposit by AM/NS is enclosed in this respect as **Annexure-I**
2.	**Condition No. ii** The identified non- forest land of 12.728 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.	CA land so allotted has been alienated in favour of the State Forest Department as per the RoR issued by the Tahasildar, Banspal. The copy of the RoR is enclosed as **Annexure-II**
3.	**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.	The land identified for the purpose of Compensatory Afforestation /Addl. C.A. has been depicted on a Survey of India Topo sheet of 1: 50,000 scale. The copy of the map is enclosed as **Annexure-III**
4.	**Condition No. iv** The KML files of the area to be diverted and the CA/Addl. CA 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.	The KML files of the area to be diverted and the CA/Addl. CA areas are given in a CD, enclosed herewith for necessary uploading on the e-Green watch portal by DFO, Keonjhar before grant of stage-II approval.
5.	**Condition No. v** The user agency shall transfer the cost of raising and maintaining the compensatory afforestation at the current wage rate in consultation with State Forest Department in the account of CAMPA of the concerned State through online portal. The Scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years.	DFO, Keonjhar vide letter No. 763/Mining Dt. 01.02.2022 has raised a demand of **Rs. 1,51,19,100 /-** (Rupees One Crore Fifty One Lakh Nineteen Thousand One Hundred Only.) towards CA / Addl. CA schemes. The demand was vetted online by APCCF (FD & NO, FC Act) and as per the challan generated through PARIVESH portal, the amount of **Rs. 1,51,19,100 /-** has been transferred vide **UTR No. SBINR52022022569188491 Dt. 25.02.2022** in the ORISSA CAMPA account. The copy of the demand letter by DFO and RTGS receipt in support of proof of the deposit by AM/NS is enclosed in this respect as **Annexure-I**

6.	**Condition No. vi** 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.	All the funds (NPV & CA schemes) under this project has been transferred in CAMPA account only through e-portal (https://parivesh.nic.in/). Both payment for NPV (**Rs. 1,19,51,592 /-**) & CA schemes (**Rs. 1,51,19,100 /-)** have been done as a single transaction for the amount of **Rs. 2,70,70,692 /-** vide **UTR No. SBINR52022022569188491 Dt. 25.02.2022.** Enclosure in this respect is given at **Annexure-I**
7.	**Condition No. vii** 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.	An undertaking in this respect is given at **Annexure-IV**
8.	**Condition No. viii** The compliance report of the Stage-I approval shall be uploaded on e-portal (https://parivesh.nic.in/)	The compliance report of the Stage-I approval has been uploaded on e-portal (https://parivesh.nic.in/)
9.	**Condition No. ix** The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificates from the concerned District Collector.	The Certificate under FRA, 2006 obtained from District Collector, Keonjhar has been enclosed as **Annexure-V**
10.	**Condition No. x** The boundary of the proposed forest land for diversion, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates.	An undertaking in this respect is given at **Annexure-VI**

B: Conditions which need to be strictly complied on field 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.		
Sl. No.	**Conditions in Stage-I Approval**	**Compliance**
1	**Condition No. i** Legal status of forest land proposed for diversion shall remain unchanged.	An undertaking in this respect is given at **Sl.No. 01 of Annexure-VII**
2.	**Condition No. ii** Compensatory afforestation shall be raised over 12.728 ha of non-forest land identified in Plot No 503(P), 504(P) & 505(P) of Khata No.67 (AAA) of village Podadihi of Banspal Tahasil under Keonjhar District within three years from the date of Stage-II Clearance and maintained thereafter by the State Forest Department, at the cost of user agency.	An undertaking in this respect is given at **Sl.No. 02 of Annexure-VII**
3.	**Condition No. iii** Addl. Compensatory afforestation shall be raised over 12.728 ha of degraded forest land identified in Renda PRF under Telkoi Range of Keonjhar Forest Division within three years from the date of Stage-II Clearance and maintained thereafter by the State Forest Department, at the cost of user agency.	An undertaking in this respect is given at **Sl.No. 03 of Annexure-VII**
4.	**Condition No. iv** The species to be planted in the CA/Addl. CA scheme shall be of native species of the area avoiding Teak and exotic species. 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.	An undertaking in this respect is given at **Sl.No. 04 of Annexure-VII**
5.	**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.	An undertaking in this respect is given at **Sl.No. 05 of Annexure-VII**

6.	**Condition No. vi** As proposed by the State Govt. the tailing & water pipelines, power and communi-cation cables shall be laid 1.0 meter below the ground and after lying down of the pipeline the ground will be leveled.	An undertaking in this respect is given at **Sl.No. 06 of Annexure-VII**
7.	**Condition No. vii** The user agency shall obtain Environmental Clearance as per the provisions of Environment (Protection) Act, 1980, if applicable.	As per the Extra Ordinary Gazette Notification of India, dated 1st Dec' 2009 from MoEF, New Delhi, Environment Clearance (EC) is not applicable in case of linear project where the pipeline system is passing outside the National Park/Sanctuaries/ Coral reefs, ecological sensitive areas.
8.	**Condition No. viii** The user agency shall take adequate safety measures for accidental leakage of tailings, water and power cable pipelines.	An undertaking in this respect is given at **Sl.No. 07 of Annexure-VII**
9.	**Condition No. ix** 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.	An undertaking in this respect is given at **Sl.No. 08 of Annexure-VII**
10.	**Condition No. x** No additional or new path will be constructed inside the forest area for any activity related to the project work.	An undertaking in this respect is given at **Sl.No. 09 of Annexure-VII**
11	**Condition No. xi** The user agency while executing works, shall not fell any tree or damage forest growth in the surrounding forest area in any manner.	An undertaking in this respect is given at **Sl.No. 10 of Annexure-VII**
12.	**Condition No. xii** The layout plan of the proposed forest land shall not be changed without the prior approval of Ministry of Environment, Forest & Climate Change.	An undertaking in this respect is given at **Sl.No. 11 of Annexure-VII**

13.	**Condition No. xiii** The forest land shall not be used for any purpose other than that specified in the proposal.	An undertaking in this respect is given at **Sl.No. 12 of Annexure-VII**
14	**Condition No. xiv** 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 in this respect is given at **Sl.No. 13 of Annexure-VII**
15	**Condition No. xv** No damage to the flora and fauna of the adjoining area shall be caused.	An undertaking in this respect is given at **Sl.No. 14 of Annexure-VII**
16	**Condition No. xvi** 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.	An undertaking in this respect is given at **Sl.No. 15 of Annexure-VII**
17	**Condition No. xvii** 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.	An undertaking in this respect is given at **Sl.No. 16 of Annexure-VII**
18	**Condition No. xviii** 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.	An undertaking in this respect is given at **Sl.No. 17 of Annexure-VII**
19	**Condition No. xix** 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.	An undertaking in this respect is given at **Sl.No. 18 of Annexure-VII**

It is submitted and we here by undertake that AM/NS shall not violate any of the conditions stipulated in the Forest clearance otherwise AM/NS shall abide by the action 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.

Also, it is submitted that in order to compress the time of final forest clearance, AM/NS will approach the State Govt. or a Senior Office not below the Rank of a Divisional Forest Officer, having jurisdiction over the forest land proposed to be diverted, duly authorized in this behalf by the State Govt to pass an order for tree cutting and to grant working permission for commencement of work of a linear project upon full realization of funds from the User Agency for compensatory afforestation (CA), Net Present Value (NPV) and all other compensatory levies, specified in the Stage-I (in-principle) approval, and where ever applicable, transfer and mutation of non-forest/revenue forest land in favour of State Forest Department" as stipulated in Para 11.2 of Chapter-11 of Handbook of Guidelines issued under F.C. Act, 1980 vide Ministry's letter No.5-2/2017-FC dated 28.03.2019.

It is therefore requested to kindly examine the above compliances against the conditions stipulated in the grant order of Stage-I FC pertaining to Laying of Tailing and Water Pipeline, Power and Communication cables from Beneficiation plant at Dabuna under Barbil Tahasil to Proposed Tailing Pond Site at Village Sankari under Banspal of Keonjhar District and recommend to higher ups for grant of Stage-II Forest clearance to execute the project.

Thanking You

Yours Faithfully,
For ArcelorMittal Nippon Steel India Ltd.

Authorized Signatory
Dwarika Dhish Upadhyay
Head-Beneficiation Plant & Slurry Pipeline

ANNEXURE - I

AGENCY COPY

यूनियन बैंक Union Bank

NEFT / RTGS CHALLAN for CAMPA Funds

Date 25-02-2022

Agency Name.	Essar Steel India Limited
Application No	1983198128
MoEF&CC File No.	FP-ORC481/2021-RHO
Location.	ORISSA
Address.	Udaya Bata, Paradeep-754142, Dist- Jagatsinghpur Jagatsinghpur
Amount(in Rs)	27070832/-

Amount in Words Two Crore Seventy Lakh Seventy Thousand Six Hundred and Ninety-Two Rupees Only

NEFT/RTGS to be made as per following details:

Beneficiary Name:	ORISSA CAMPA
IFSC Code.	UBIN0903716
Pay to Account No.	169821993198128 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

- This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

BANK COPY

यूनियन बैंक Union Bank

NEFT / RTGS CHALLAN for CAMPA Funds

Date 25-02-2022

Agency Name.	Essar Steel India Limited
Application No.	1983198128
MoEF&CC File No.	FP-ORC481/2021-RHO
Location.	ORISSA
Address:	Udaya Bata, Paradeep-754142, Dist- Jagatsinghpur Jagatsinghpur
Amount(in Rs)	27070832/-

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NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORISSA CAMPA
IFSC Code:	UBIN0903716
Pay to Account No.	169821993198128 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

- This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

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

Note:After making the required payment through challan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challan with transaction date to Email: cb0371@unionbankofindia.com

UTR: SBINR52022022569158491

25/02

OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Phone No- 06766-254315, email ID- dfo.keonjhar@odisha.gov.in

No 263 /Mining-10/2016
Dated, Keonjhar, the 01-02-2022

To

The Chief Project & Corporate Serv,
M/s ArcelorMittal Nippon Steel India Ltd.
Udayabata, Paradeep, Dist- Jagatsinghpur- 754023

Sub: Diversion of 12.728 ha of forest land for laying of Tailing and water pipeline, Power and communication cables from Beneficiation plant at Dubuna under Barbil Tahasil to proposed tailing pond site at village Sankari under Banspal of Keonjhar District by M/s ArcelorMittal Nippon Steel India Ltd (Formerly known as M/s Essar Steel Indi Ltd).

X-Sub: **Demand of Compensatory Afforestation over 12.728 ha of non-forest Govt. land identified in village Podadihi under Banspal Tahasil & Addl. Compensatory Afforestation over 12.728 ha identified in Renda PRF under Telkoi Range @Rs. 315.00 per MD with a maintenance of 10 years.**

Ref: F. No. 5-ORC481/2021-BHU dt. 28.12.2021 of Govt. of India, Ministry of Environment and Forests, IRO, Bhubaneswar & Memo 1542 dated 28.01.2022 of PCCF, FD&NO, FC Act, O/o the PCCF & HoFF, Odisha, Bhubaneswar.

Sir

With reference to the aforementioned memo on the captioned subject, the Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF & HoFF, Odisha, Bhubaneswar has technically approved the financial outlay for plantation of Compensatory Afforestation over 12.728 ha of non-forest Govt. land identified in village Podadihi under Banspal Tahasil & Addl. Compensatory Afforestation over 12.728 ha identified in Renda PRF under Telkoi Range @Rs 315.00 per MD with a maintenance of 10 years. Hence you are requested to deposit the cost of Compensatory Afforestation & Addl. Compensatory Afforestation is furnished hereunder. The demanded amount should be deposited through e-portal of MoEF&CC as provided in the **https://parivesh.nic.in/** and the proof/evidence of the deposit of fund be submitted to this office for further necessary action at this end.

Condition No.	Particulars	Amount to be deposited (in Rs.)
2.A(v)	Scheme for Compensatory Afforestation over 12.728 ha of non-forest Govt. land identified in village Podadihi under Banspal Tahasil of Keonjhar district.	1,13,32,200.00
	Scheme for Addl. Compensatory Afforestation over 12.728 ha identified in Renda PRF under Telkoi Range of Keonjhar Division.	37,86,900.00
	Total	**1,51,19,100.00**

(Rupees one crore fifty-one lakh nineteen thousand one hundred) only

Yours faithfully

Divisional Forest Officer,
Keonjhar Division.

Memo No. 264 Dated. 01-02-2022

Copy forwarded to the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela/ Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar for favour of kind information and necessary action.

Divisional Forest Officer,
Keonjhar Division.

OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION
Phone No- 06766-254315, email ID- dfo.keonjhar@odisha.gov.in

No. 765 /Mining-10/2016
Dated, Keonjhar, the 01-02- 2022

To

The Chief Project & Corporate Serv,
M/s ArcelorMittal Nippon Steel India Ltd,
Udayabata. Paradeep, Dist- Jagatsinghpur- 754023

Sub: Diversion of 12.728 ha of forest land for laying of Tailing and water pipeline, Power and communication cables from Beneficiation plant at Dubuna under Barbil Tahasil to proposed tailing pond site at village Sankarj under Banspal of Keonjhar District by M/s ArcelorMittal Nippon Steel India Ltd (Formerly known as M/s Essar Steel Indj Ltd).

X-Sub: Demand of amount of NPV over 12.728 ha.

Ref: F. No. 5-ORC481/2021-BHU dt. 28.12.2021 of Govt. of India, Ministry of Environment and Forests, IRO, Bhubaneswar

Sir

In compliance to the condition No. 2.A(i) of the Stage-I approval order dated 28.12.2021 of MoEF&CC, Govt. of India, you are requested to deposit an amount of **Rs. 1,19,51,592/- (Rupees one crore nineteen lakh fifty-one thousand five hundred ninety-two)** only towards Net Present Value (NPV) over 12.728 ha forest land at the rate of Rs. 9,39,000/- per ha (Eco value Class- I, Canopy Density- 0.5) as per Site Inspection Report of the undersigned dated 09.04.2021. The above demanded amount has to be deposited in Orissa CAMPA Account only through e-portal (**https://parivesh.nic.in/**) within 30 days from the date of issue of this letter and the proof/evidence of the deposit of fund be submitted to this office for further necessary action at this end.

Yours faithfully,

01/02/22

Divisional Forest Officer,
Keonjhar Division.

Memo No. 766 **/ Dated.** 01- 02 - 2022

Copy forwarded to the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela/ Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar for favour of kind information and necessary action.

01/02/22

Divisional Forest Officer,
Keonjhar Division.

ANNEXURE - II

Schedule I Form No. 34-A

ପରିଚୟପତ୍ର

ତହସିଲ : ବାଣପୁର

ଥାନା : ବାଣପୁର

ମୌଜା ନମ୍ବର : 55

ପରିଚୟପତ୍ର ନମ୍ବର ନଂ : 1/1

ପରଗଣା : ବାଣପୁର

ସବ୍‌ଡିଭିଜନ : ବାଣପୁର

ଜିଲ୍ଲା : ପୁରୀ

ପରିଚୟପତ୍ର ଦାଖଲ ଓ ସଂଗ୍ରହ କରିଥିବା ବ୍ୟକ୍ତିଙ୍କ ନାମ ଓ ଠିକଣା	ଓଡିଶା ସରକାର ପକ୍ଷରୁ ଜାରି ହୋଇଛି ଦଖଲ ।
୧ ପରିଚୟପତ୍ର ନମ୍ବର ନଂ	1/1
୨) ପ୍ରଜାର ନାମ, ପିତାର ନାମ , ଜାତି ଓ ବାସସ୍ଥାନ	ରାଜ୍ୟ ସରକାର ଓ ଯଥିବେଶ ଓଡିଆର, ଓଡିଶା ।

୩/୪ନ୍ତ

ଖତିୟାନ	ନମ୍ବର	ଖଣ୍ଡ	ରକବା	ନିୟାର ରେଟ ଓ ଟଙ୍କାରେ ରକବା ଯଦି ଥିଲେ ତାହା	ମୋଟ	୫) ପ୍ରମାଣପତ୍ରଦାତାଙ୍କ ସ୍ୱାକ୍ଷରୀ ବିବରଣୀ
		0.00	0.00	0.00	0.00	

୬) ବିଷୟର ସମ୍ପତ୍ତିର ଯେଉଁ ଅଂଶ

Alienation Case No. 2/2019 ଜୁଡ଼ି ଯାହା ନଂ 329/230 ଯାହାର ଜମି 15.2000, ଯୁକ୍ତି ନଂ 361/731 ଜମିର 3.4000 ଯୁକ୍ତି ନଂ 404/732 ଯାହାର ଜମି 18.0400 ଯୁକ୍ତି ନଂ 361/733 ଯାହାର ଜମି 13.5600 ଯୁକ୍ତି ନଂ 701 ଜମିର ଜମି 12.3000 ଯୁକ୍ତି ନଂ 357/734 ଜମିର ଜମି 3.6000 ଯୁକ୍ତି ନଂ 438 ଯାହାର ଜମି 12.7800 ଯୁକ୍ତି ନଂ 439 ଜମିର ଜମି 14.5100 ଯୁକ୍ତି ନଂ 361/736 ଯାହାର ଜମି 16.8000 ଯୁକ୍ତି ନଂ 366/735 ଯାହାର ଜମି 8.7000 ଯୁକ୍ତି ନଂ 1 Alienation Case No. 1/2020 ଜୁଡ଼ି ଯାହା ନଂ 329/230 ଯାହାର ଜମି 11.6000 , ଯୁକ୍ତି ନଂ 349 ଯାହାର ଜମି 3.0000 ଯୁକ୍ତି ନଂ 1 Alienation Case No. 02/2012 ଯାହାର ଜମି ନଂ 404/732 ଯୁକ୍ତି ନଂ 503 ଓ 504/1 ଜମି ନଂ 5/11, ଯୁକ୍ତି ନଂ 3/14 ଓ 3/15 ଜମି ନଂ 1/1000, ଯୁକ୍ତି ନଂ 105 ଓ 106/1 ଜମି ନଂ 1

BLANK AREA FOR STAMPING

COURT OF ADDL. TAHASILDAR BANSPAL

ADDL. TAHASILDAR
BANSPAL

ADDL. TAHASILDAR
BANSPAL

PLATE - 20

निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. F45N6

Scale 1:50,000

F45N1 (73G/1) Bamanpal ORISSA	F45N5 (73G/5)	F45N9 (73G/9)
F45N2 (73G/2) Keonjhar ORISSA	F45N6 (73G/6) Keonjhar ORISSA	F45N10 (73G/10)
F45N3 (73G/3) Anugul ORISSA	F45N7 (73G/7)	F45N11 (73G/11)

1 Mayurbhanj, ORISSA.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2009. Price : Rs. 60 /-

CONVENTIONAL SYMBOLS

Express highway: with toll; with bridge; with distance stone
Roads, metalled: according to importance
Roads, double carriageway: according to importance
Unmetalled road; Cart-track; Pack-track and pass; Foot-path
Streams: with rock in bed; undefined; Canal
Dams: masonry or rock-filled; earthwork; Weir
River: dry with water channel; with island & rocks; Tidal river
Submerged rocks; Shoal; Swamp; Reeds
Water: lined; unlined; Tube-well; Spring; Tanks: perennial; dry
Embankments: road or rail; rail; Broken ground
Railways, broad gauge: double; single with station; under construction
Railways, other gauges: double; single with distance stone; dismantled
Mineral line or roadway; Kiln; Cutting with tunnel
Contours with sub-features; Rocky slopes; Cliffs
Sand features: Cliff;Stand-hills (permanent); Shifting
Towns or Villages: inhabited; deserted; Fort
Huts: permanent; temporary; Tower; Antiquities
Temple; Chhatri; Church; Mosque; Idgah; Tomb; Graves
Lighthouse; Lightship; Buoys; lighted; unlighted; Anchorage
Mine; Well on trolls; Grave; Burial
Palms: palmyra; other; Plantain; Casite; Bamboo; Other trees
Areas: cultivated; wooded; Surveyed tea
Boundary, international
- state; demarcated; undemarcated
- district; subdivision, tahsil or tiluk; forest
Boundary pillars: surveyed; unfenced
Heights, triangulated: station; point; spot heights
Bench-mark: geodetic; tertiary; canal
Post office; Telegraph office; Overhead tank
Rest house or inspection bungalow; Circuit house; Police station
Camping ground; Forest reserved; protected
Speed names: administrative; bomby or tribal
Hospital; Dispensary; Veterinary; Hospital / Dispensary
Aerodrome; Heliport; Tourist site
Power line: with pylons surveyed; with poles unsurveyed

REFERENCE

NH 6 National Highway No. 6.

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, 3h, represents the approximate height, in metres, between the top and bottom of a steep slope.
The triangulated heights and contours, in this sheet, have not been adjusted to the heights of the spirit-levelled bench-marks, and may not be strictly in accordance with them.
Unmetalled roads, in this sheet, are generally motorable in dry season.
Important buildings are shown in black.
Hand Pump is shown thus.

COMPILATION INDEX

A. Compiled from 1:25,000 survey 1970-76. Updated for major details during 2005-06.

Projection – UTM Datum – WGS 84

Magnetic Variation from True North about 1 1/2° West in 2005. (Annual change negligible).

1:50,000

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact
Director
Orissa Geo-Spatial Data Centre
Survey of India
Survey Bhawan, PO – R N Laboratory
Bhubaneshwar 751013.
Fax : 0674 – 2305419

WEBSITE – www.surveyofindia.gov.in

REG. No. 8416-SPG 2'09 (Orissa GDC-1:50,000-1015.

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Forest Section Officer, Banspal

Revenue Inspector Banspal SUAKATI

TAHASILDAR BANSPAL,

Range Officer R.J.P. Range

COUNTERSIGNED

Divisional Forest Officer Keonjhar Division

N
W E
S

SCALE - 1:50,000

TOPO MAP SHOWING THE NON FOREST GOVT.LAND OVER 12.728Ha IDENTIFIED IN VILLAGE PODADIHI UNDER BANSPAL TAHASIL IN LIEU OF DIVERSION OF FOREST LAND INVOLVED IN PROPOSED TAILING & WATER PIPELINES, POWER & COMUNICATION CABLES FROM DUBUNA TO SANKRI IN FAVOUR OF M/S. ESSAR STEEL INDIA LTD FOR AFFORESTATION IN KEONJHAR DIST.

CA LAND

PLATE-22

निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. F45N7

Scale 1:50,000

Sundargarh ORISSA F45N2 (73I/7)	F45N6 (73I/8)	F45N10 (73I/6)
Deogarh ORISSA F45N3 (73I/3)	F45N7 (73I/7)	Keonjhar ORISSA F45N11 (73I/11)
Angul ORISSA F45N4 (73I/4)	F45N8 (73I/8)	F45N12 (73I/12)
	Dhenkanal ORISSA	

2 Jajpur, ORISSA.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2009. Price : Rs. 50 /-

CONVENTIONAL SYMBOLS

Trunk highway: with toll; with bridge; with distance stone
Roads, metalled: according to importance
Roads, double carriageway: according to importance
Unmetalled road: Cart-track; Pack-track and pass; Foot-path
Streams: with track in bed; undefined; Canal
Dams: masonry or rock-filled; earthwork; Weir
River: dry with water channel; with islands & rocks; Tidal river
Submerged rocks; Shoal; Swamp; Reeds
Wells: lined; unlined; Tube-well; Spring; Tanks: perennial; dry
Embankments: road or rail; tank; Broken ground
Railways, broad gauge: double; single with station; under construction
Railways, other gauges: double; single with distance stone; de
Mineral line or tramway; Kiln; Cutting with tunnel
Contours with soil-features; Rocky slopes; Cliffs
Sand features: (Dune,Coastal-hills (permanent), (Shifting)
Towns or Villages: Inhabited; deserted; Fort
Huts: permanent; temporary; Tower; Antiquities
Temple; Chhatri; Church; Mosque; Idgah; Tomb; Graves
Lighthouse; Lightship; Buoy; lighted; unlighted; Anchorage
Mine; Kiln on bottle; Grass; Scrub
Palms: palmyra; other; Plantain; Conifer; Bamboo; Other trees
Areas: cultivated; wooded; Surveyed tree
Boundary, international
" state; demarcated; undemarcated
" district; subdivision, tahsil or taluk; forest
Boundary pillars: surveyed; unlocated
Heights, triangulated; station; point; approximate
Bench-mark: geodetic; tertiary; canal
Post office; Telegraph office; Overhead tank
Rest house or Inspection Bungalow; Circuit house; Police station
Camping ground; Forest: reserved; protected
Spaced names: administrative; locality or tribal
Hospital; Dispensary; Veterinary hospital / Dispensary
Aerodrome; Helipad; Tourist site
Power line: with pylons surveyed; with poles unsurveyed

REFERENCE
NH 6 National Highway No. 6

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, .20, represents the approximate height, in metres, between the top and bottom of a steep slope.
Jhum or temporarily cultivated areas occur throughout the jungle; they are normally abandoned after 2-3 years and are not shown.
All unmetalled roads are generally motorable in dry season.
The interpolated heights and contours in this sheet have not been adjusted to the spirit-levelled bench-marks and may not be strictly in accordance with them.
The external boundaries of areas of Reserved or Protected Forests are shown by green ribbons.
Hand Pump is shown thus .

COMPILATION INDEX

A. Compiled from 1:25,000 survey 1980-81. Updated for major details during 2005-06.

Projection – UTM Datum – WGS 84

Magnetic Variation from True North about 1/2° West in 2005. (Annual change negligible).

1:50,000

500 m to 1 cm; 2 cm to 1 km

Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact
Director
Orissa Geo-Spatial Data Centre
Survey of India
Survey Bhawan, PO – R R Laboratory
Bhubaneshwar-751013
Fax : 0674 – 2301418

WEBSITE – www.surveyofindia.gov.in

REG. No. 8234-SPG D '09 (Orissa GDC-150.0001-1015.

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Published under the direction of Surveyor General of India.

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA

TOPO MAP SHOWING DEGRADED FOREST LAND IDENTIFIED IN RENDA P.R.F. UNDER TELKOI FOREST RANGE OVER 12.728Ha TO ACCOMMODATE BALANCE 2546 NUMBERS SEEDYS FOR RAISING COMPENSATORY AFFORESTATION IN RESPECT OF TAILING & WATER PIPE LINES FROM DABUNA TO SANKARI IN DIST-KEONJHAR BY M/S.ESSAR STEEL INDIA LTD.

GPS CO-ORDINATES

PILLAR NO	LATITUDE D	M	SEC	LONGITUD D	M	SEC
1	21	25	25.5	85	26	41
2	21	25	18.3	85	26	39
3	21	25	17.8	85	26	20.1
4	21	25	25.6	85	26	20.6

COUNTERSIGNED

Divisional Forest Officer
Keonjhar Division

Forest Section Officer
Telepada

Forest Range Officer
Telkoi Range

INDEX

- CA LAND PILLAR
- CA LAND BOUNDARY
- CA LAND AREA

Annexure-IV

OFFICE OF THE FOREST RANGE OFFICER CHAMPUA RANGE: CHAMPUA
Email ID: frochampua@gmail.com

Memo No. 4341 dt.22.11.2023

To

The Divisional Forest Officer
Keonjhar Division, Keonjhar

Sub: Translocation of standing trees standing over 12.7280 Ha. of Forest land& over 9.291 Ha Non-Forest land for laying of Tailing and Water Pipeline, Power and Communication cables from Beneficiation Plant at Debuna under Barbil Tahasil to proposed Tailing Pond site at Village Sankarl under Banspal Tahasil of Keonjhar District (Over 18.178 KM) by ArcelorMittal Nippon Steel India Limited (Formerly known as M/s- Essar Steel India Limited).

Ref: **Your Memo No. 11096 / Dated 16.10.2023**

Sir,

With reference to the above cited subject, I would like to inform you that User Agency M/s/ ArcelorMittal Nippon Steel India Limited has submitted one proposal regarding translocation of maximum number of trees under this range office at the nearest suitable vacant place. Based on the proposal I have visited the site and verified the trees which can be transplanted. I authenticated below mentioned 134 Nos. of trees (out of 1976 Nos of trees) which can be transplanted as per submitted plan by the user agency.

Name of Range	Girth Class	No of Trees to be translocated			Remarks
		Sound	Unsound	Total	
Champua	Below 30 CM	88	-	88	
	30 – 59 CM	25	-	25	
	60-89 CM	21	-	21	
Grand Total		134		134	

Enclosed are the six (06) copies of authenticated enumeration list of treeswhich can be transplanted for favour of your kind information and necessary action.

Yours Faithfully,

Asst. Conservator of Forests
I/C Champua Range

Encl:- As above.

Memo No.4342/dt.22.11.2023

Copy forwarded to Authorized Signatory ArcelorMittal Nippon Steel India Limited for favour of information.

Asst. Conservator of Forests
I/C Champua Range

The Abstract of Enumerated Trees to be translocated in the Tailing Pipe Line from Beneficiation Plant at Dubuna to the Tailing Dam at Sankari village Under Champua Range of M/s ArcelorMittal Nippon Steel India Limited

Sl. No.	Name of the Specis	Botanical Name	0-29cm	30-59cm	60-89cm	Total	Remarks
			S	S	S	S	
1	Sal	Shorea robusta	69	18	9	96	
2	Mahul	Madhuka indica	4	4	8	16	
3	Jamun	Syzygium cumini	6	1	0	7	
4	Kendu	Diospyros melanoxylon	1	0	0	1	
5	Asan	Terminalia tomentosa	0	0	3	3	
6	Kusum	Schleichera oleosa	4	1	0	5	
7	Bahada	Terminalia belerica	1	0	0	1	
8	Chara	Buchanania lanzan	0	1	0	1	
9	Jio		0	0	1	1	
10	Misc		3	0	0	3	
TOTAL			88	25	21	134	

ACF, I/C
Champua Forest Range
Asst. Conservator of Forest
I/C, Champua Forest Range

Forester
Bamebari Section

Bimal Bihari Sahoo Gh
Forest Guard
Malda Beat

Rupashree Sahoo Gy
Forest Guard
Nayagarh Beat

Swajit Tripathi
AM/NS INDIA
Authorized Signatory
M/s ArcelorMittal Nippon Steel India Limited

The List of Enumerated Trees to be Translocated in the Tailing Pipe Line from Beneficiation Plant at Dubuna to the Tailing Dam at Sankari village Under Champua Range of M/s ArcelorMittal Nippon Steel India Limited

Sl. No.	Tree no.	Name of the Species	Height in mtr	Girth in cm	Nature	Botanical Name	0-29 cm	30-59 cm	60-89 cm	Check	Plot No	Village name
							S	S	S			
1	1	Misc	2	16	S		1	-	-	1	RF	Naibaga RF
2	103	Sal	2	35	S	Shorea robusta	-	1	-	1	RF	Naibaga RF
3	106	Sal	3	30	S	Shorea robusta	-	1	-	1	RF	Naibaga RF
4	114	Sal	3	75	S		-	-	1	1	RF	Naibaga RF
5	5	Sal	3	21	S	Shorea robusta	1	-	-	1	RF	Naibaga RF
6	6	Sal	3	29	S	Shorea robusta	1	-	-	1	RF	Naibaga RF
7	7	Sal	2	20	S	Shorea robusta	1	-	-	1	RF	Naibaga RF
8	8	Sal	3	23	S	Shorea robusta	1	-	-	1	RF	Naibaga RF
9	125	Sal	4	80	S	Shorea robusta	-	-	1	1	RF	Naibaga RF
10	129	Sal	4	80	S	Shorea robusta	-	-	1	1	RF	Naibaga RF
11	130	Kusum	3	40	S	Schleichera oleosa	-	1	-	1	RF	Naibaga RF
12	132	Asan	4	60	S	Terminalia tomentosa	-	-	1	1	RF	Naibaga RF
13	13	Sal	2	21	S	Shorea robusta	1	-	-	1	RF	Naibaga RF
14	14	Sal	2	18	S	Shorea robusta	1	-	-	1	RF	Naibaga RF
15	15	Sal	2	18	S	Shorea robusta	1	-	-	1	RF	Naibaga RF
16	18‡	Sal	3	60	S	Shorea robusta	-	1	-	1	RF	Naibaga RF
17	17	Sal	3	26	S	Shorea robusta	1	-	-	1	RF	Naibaga RF
18	18‡	Sal	6	70	S	Shorea robusta	-	-	1	1	RF	Naibaga RF
19	177	Sal	2	70	S	Shorea robusta	-	-	1	1	RF	Naibaga RF
20	231	Asan	5	70	S	Terminalia tomentosa	-	-	1	1	RF	Naibaga RF
21	237	Mahul	3	80	S	Madhuca indica	-	-	1	1	RF	Naibaga RF
22	22	Jamun	3	23	S	Syzygium cumini	1	-	-	1	RF	Naibaga RF
23	23	Sal	4	29	S	Shorea robusta	1	-	-	1	RF	Naibaga RF
24	24	Kendu	2	26	S	Diospyros melanoxylon	1	-	-	1	RF	Naibaga RF
25	257	Chera	3	35	S	Bauhenania lingua	-	1	-	1	RF	Naibaga RF
26	268	Sal	2	40	S	Shorea robusta	-	1	-	1	RF	Naibaga RF
27	266	Sal	5	60	S	Shorea robusta	-	-	1	1	RF	Naibaga RF
28	28	Sal	5	29	S	Shorea robusta	1	-	-	1	RF	Naibaga RF
29	29	Sal	2	21	S	Shorea robusta	1	-	-	1	1104	Dhanurjaypur
30	30	Sal	3	29	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur

Forest Section Officer
Bamebari Section

Rupashree Sahoo By Bidyadhar Behera

Sl. No.	Tree no.	Name of the Specie	Height in mtr	Girth in cm	Nature	Botanical Name	0-29cm	30-59 cm	60-89 cm	Check	Plot No	Village name
							S	S	S			
31	746	Sal	1	40	S	Shorea robusta	-	1	-	1	1110	Dhanurjaypur
32	32	Sal	2.5	19	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
33	33	Sal	2	15	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
34	34	Sal	3	23	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
35	35	Sal	2	19	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
36	36	Sal	2	17	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
37	37	Sal	2	19	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
38	38	Sal	3	29	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
39	39	Sal	3	26	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
40	40	Sal	3	29	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
41	41	Sal	3	28	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
42	42	Sal	3	29	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
43	43	Sal	3	28	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
44	757	Sal	8	82	S	Shorea robusta	-	-	1	1	1110	Dhanurjaypur
45	45	Sal	3	28	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
46	46	Sal	3	29	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
47	47	Sal	2	26	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
48	759	Sal	3	40	S	Shorea robusta	-	1	-	1	1110	Dhanurjaypur
49	49	Sal	3	29	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
50	50	Sal	2	21	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
51	51	Sal	2	16	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
52	760	Sal	2	38	S	Shorea robusta	-	1	-	1	1110	Dhanurjaypur
53	53	Sal	2	18	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
54	54	Sal	3	28	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
55	769	Sal	2	40	S	Shorea robusta	-	1	-	1	1110	Dhanurjaypur
56	56	Sal	3	29	S	Shorea robusta	1	-	-	1	1110	Dhanurjaypur
57	57	Misc	2	20	S		1	-	-	1	1110	Dhanurjaypur
58	58	Mahul	2	23	S	Madhuka indica	1	-	-	1	1110	Dhanurjaypur
59	802	Mahul	5	80	S	Madhuka indica	-	-	1	1	1110	Dhanurjaypur
60	817	Sal	5	40	S	Shorea robusta	-	1	-	1	1115	Dhanurjaypur
61	819	Sal	5	40	S	Shorea robusta	-	1	-	1	1115	Dhanurjaypur
62	820	Sal	5	43	S	Shorea robusta	-	1	-	1	1115	Dhanurjaypur
63	825	Mahul	4	70	S	Madhuka indica	-	-	1	1	1115	Dhanurjaypur
64	825	Sal	3	35	S	Shorea robusta	-	1	-	1	1115	Dhanurjaypur

Section Officer
Bamebari Section

RupaShree Salvo fy

Binod Bihari Behera fy

Sl. No.	Tree no.	Name of the Specis	Height in mtr	Girth in cm	Nature	Botanical Name	0-29cm	30-59 cm	60-89 cm	Check	Plot No	Village name
							S	S	S			
55	55	Mahul	3	29	S	Madhuca indica	1	-	-	T	1115	Dhanurjaypur
56	839	Sal	5	80	S	Shorea robusta	-	-	1	1	1115	Dhanurjaypur
57	57	Sal	3	29	S	Shorea robusta	1	-	-	1	1115	Dhanurjaypur
58	58	Sal	3	25	S	Shorea robusta	1	-	-	1	1115	Dhanurjaypur
59	59	Kusum	2	29	S	Schleichera oleosa	1	-	-	1	1115	Dhanurjaypur
70	870	Jamun	3	40	S	Syzygium cumini	-	1	-	1	824/953	Patuakuder
71	850	Sal	3	45	S	Shorea robusta	-	1	-	1	824/953	Patuakuder
72	72	Sal	2	29	S	Shorea robusta	1	-	-	1	824/953	Patuakuder
73	73	Sal	2	29	S	Shorea robusta	1	-	-	T	824/953	Patuakuder
74	74	Sal	3	29	S	Shorea robusta	1	-	-	1	824/953	Patuakuder
75	75	Kusum	2	24	S	Schleichera oleosa	1	-	-	1	824/953	Patuakuder
76	76	Jamun	3	23	S	Syzygium cumini	1	-	-	1	824/953	Patuakuder
77	77	Jamun	2	22	S	Syzygium cumini	1	-	-	1	824/953	Patuakuder
78	78	Jamun	1.5	14	S	Syzygium cumini	1	-	-	1	824/953	Patuakuder
79	79	Jamun	1.5	14	S	Syzygium cumini	1	-	-	1	824/953	Patuakuder
80	80	Sal	1.5	14	S	Shorea robusta	1	-	-	1	824/953	Patuakuder
81	81	Sal	2.5	26	S	Shorea robusta	1	-	-	1	824/953	Patuakuder
82	930	Mahul	3	60	S	Madhuca indica	1	-	-	1	824/953	Patuakuder
83	83	Mahul	2	29	S	Madhuca indica	-	-	1	1	1124	Dhanurjaypur
84	960	Mahul	3	35	S	Madhuca indica	1	-	-	1	1124	Dhanurjaypur
85	949	Mahul	3	40	S	Madhuca indica	-	1	-	1	1128	Dhanurjaypur
86	951	Mahul	3	40	S	Madhuca indica	-	1	-	1	1128	Dhanurjaypur
87	957	Mahul	3	40	S	Madhuca indica	-	1	-	1	1128	Dhanurjaypur
88	967	Mahul	5	65	S	Madhuca indica	-	-	1	1	1128	Dhanurjaypur
89	971	Mahul	3	60	S	Madhuca indica	-	-	1	1	5	Lunagadia
90	997	Mahul	3	40	S	Madhuca indica	-	1	-	1	5	Lunagadia
91	91	Sal	2	19	S	Shorea robusta	1	-	-	1	5	Lunagadia
92	92	Sal	2	16	S	Shorea robusta	1	-	-	1	5	Lunagadia
93	1001	Sal	3	70	S	Shorea robusta	-	-	1	1	5	Lunagadia
94	94	Jamun	2	20	S	Syzygium cumini	1	-	-	1	5	Lunagadia
95	1024	Asan	3	60	S	Terminalia tomentosa	-	-	1	1	5	Lunagadia
96	1026	Sal	8	70	S	Shorea robusta	-	-	1	1	5	Lunagadia
97	97	Sal	2	20	S	Shorea robusta	1	-	-	1	5	Lunagadia
98	98	Sal	2	23	S	Shorea robusta	1	-	-	1	5	Lunagadia

Forest Section Officer
Bamebari Section

Rupashree Sahoo . fly Binod Bihari Behera 4.4

Sl. No.	Tree no.	Name of the Specie	Height in mtr	Girth in cm	Nature	Botanical Name	0-29cm	30-59 cm	60-89 cm	Check	Plot No	Village name
							S	S	S			
99	1030	Mahuli	3	80	S	Madhuca indica	-	-	1	1	5	Lunagadia
100	100	Sal	2	15	S	Shorea robusta	1	-	-	1	5	Lunagadia
101	101	Sal	2	21	S	Shorea robusta	1	-	-	1	5	Lunagadia
102	102	Sal	3	24	S	Shorea robusta	1	-	-	1	5	Lunagadia
103	103	Sal	2	29	S	Shorea robusta	1	-	-	1	5	Lunagadia
104	104	Sal	2.5	29	S	Shorea robusta	1	-	-	1	5	Lunagadia
105	105	Sal	2	16	S	Shorea robusta	1	-	-	1	5	Lunagadia
106	106	Mahuli	2	21	S	Madhuca indica	1	-	-	1	5	Lunagadia
107	107	Sal	2.5	22	S	Shorea robusta	1	-	-	1	5	Lunagadia
108	1104	Sal	5	50	S	Shorea robusta	-	1	-	1	88	Kasia
109	109	Sal	2	26	S	Shorea robusta	1	-	-	1	88	Kasia
110	110	Sal	2	23	S	Shorea robusta	1	-	-	1	88	Kasia
111	1105	Sal	3	40	S	Shorea robusta	-	1	-	1	88	Kasia
112	1106	Sal	4	40	S	Shorea robusta	-	1	-	1	88	Kasia
113	1107	Sal	4	40	S	Shorea robusta	-	1	-	1	88	Kasia
114	114	Sal	4	29	S	Shorea robusta	1	-	-	1	88	Kasia
115	1108	Sal	9	38	S	Shorea robusta	-	1	-	1	88	Kasia
116	116	Sal	2	19	S	Shorea robusta	1	-	-	1	88	Kasia
117	117	Sal	3	28	S	Shorea robusta	1	-	-	1	88	Kasia
118	118	Bahada	2	18	S	Terminalia belerica	1	-	-	1	76	Kasia
119	119	Sal	2	23	S	Shorea robusta	1	-	-	1	76	Kasia

Rupashree Salvo . fly Bikash Bihari Behera F.S.O.

Forest Section Officer
Baripada Section

Sl. No.	Tree no.	Name of the Specie	Height in mtr	Girth in cm	Nature	Botanical Name	0-29cm	30-59 cm	60-89 cm	Check	Plot No	Village name
							S	S	S			
120	120	Misc	1.5	29	S		1	-	-	1	76	Kasia
121	121	Sal	3	29	S	Shorea robustaa	1	-	-	1	76	Kasia
122	122	Sal	2	20	S	Shorea robustata	1	-	-	1	76	Kasia
123	123	Sal	2	20	S	Shorea robustata	1	-	-	1	76	Kasia
124	124	Sal	2	24	S	Shorea robustata	1	-	-	1	76	Kasia
125	125	Sal	4	25	S	Shorea robustata	1	-	-	1	76	Kasia
126	126	Sal	4	29	S	Shorea robustata	1	-	-	1	76	Kasia
127	127	Sal	3	29	S	Shorea robustata	1	-	-	1	76	Kasia
128	128	Sal	2	25	S	Shorea robustata	1	-	-	1	76	Kasia
129	129	Sal	2	23	S	Shorea robustata	1	-	-	1	76	Kasia
130	130	Sal	4	29	S	Shorea robustata	1	-	-	1	76	Kasia
131	131	Sal	3	28	S	Shorea robustata	1	-	-	1	76	Kasia
132	132	Kusum	2	25	S	Schleichera oleosa	1	-	-	1	76	Kasia
133	133	Kusum	3	29	S	Schleichera oleosa	1	-	-	1	76	Kasia
134	134	Sal	4	24	S	Shorea robustata	1	-	-	1	76	Kasia
		TOTAL					85	25	31	134		

ACF, I/C
Champua Forest Range
Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Office:
Forester
Bamebari Section

Rupashree Sahoo. FG
Forest Guard
Nayagarh Beat

Bimal Bihari Behera FG
Forest Guard
Malda Beat

Avijit Tripathi
Authorized Signatory
M/s ArcelorMittal Nippon Steel India Limited

6F

24.11.23

OFFICE OF THE FOREST RANGE OFFICER: BJP RANGE

email: forestrangerbjp@gmail.com

Memo No. 1267 **dated.** 24.11.2023

OFFICE OF THE DIVISIONAL FOREST OFFICER * KEONJHAR DIVISION *
R No. 6748
Date 28.11.23

To

The Divisional Forest Officer
Keonjhar Division, Keonjhar

Sub: **Translocation of standing trees standing over 12.7280 Ha. of Forest land& over 9.291 Ha Non-Forest land for laying of Tailing and Water Pipeline,Power and Communication cables from Beneficiation Plant at Dahuna under Barbil Tahasil to proposed Tailing Pond site at Village Sankari under Banspal Tahasil of Keonjhar District (Over 18.178 KM) by ArcelorMittal Nippon Steel India Limited (Formerly known as M/s- Essar Steel India Limited).**

Ref: **Your Memo No. 11096 / Dated 16.10.2023**

Sir,

With reference to the above cited subject, I would like to inform you that User Agency M/s – ArcelorMittal Nippon Steel India Limited has submitted one proposal vide letter No. AMNS/DBN-TPL/2023/11-01 dtd. 20.11.2023 regarding translocation of maximum number of trees under this range office at the nearest suitable vacant place. Based on the proposal I have visited the site and verified the trees which can be transplanted. I authenticated below33 Nos. of trees (out of 451 Nos of trees) which can be transplanted as per submitted plan by the user agency.

Name of Range	Girth Class	No of Trees to be translocated			Remarks
		Sound	Unsound	Total	
BJP	Below 30 CM	23	-	23	
	30 – 59 CM	-	-	-	
	60-89 CM	10	-	10	
Grand Total		33		33	

Enclosed are the six (06) copies of authenticated enumeration list of trees which can be transplanted for favour of your kind information and necessary action.

Encl: As above

Yours faithfully

Forest Range Officer

BJP Range

Memo No. **Dt.**

Copy forward to Authorized Signatory ArcelorMittal Nippon Steel India Limited for favour of information.

Forest Range Officer

BJP Range

The Abstract of Enumerated Trees to be translocated in the Tailing Pipe Line from Beneficiation Plant at Dubuna to the Tailing Dam at Sankari village Under BJP Range of M/s ArcelorMittal Nippon Steel India Limited

Sl. No.	Name of the Specis	Botanical Name	0-29cm	30-59cm	60-89cm	Total	Remarks
			$	$	$	$	
1	Sal	Shorea robusta	8	0	6	14	
2	Mahul	Madhuka indica	1	0	0	1	
3	Kendu	Diospyros melanoxylon	11	0	0	11	
4	Asan	Terminalia tomentosa	0	0	4	4	
5	Misc		3	0	0	3	
TOTAL			*23*	*0*	*10*	*33*	

Forest Range Officer
BJP Forest Range

Forest Range Officer
B.J.P. Range, Anjar.

Forest Section Officer
Suakati

Forest Section Officer
Suakati

Forest Guard
Kumundi Beat

Authorized Signatory
AM/NS INDIA
M/s ArcelorMittal Nippon Steel India Limited

The List of Enumerated Trees to be translocated in the Tailing Pipe Line from Beneficiation Plant at Dubuna to the Tailing Dam at Sankari village Under BJP Range of M/s ArcelorMittal Nippon Steel India Limited

Sl. No.	Tree No.	Name of the Specis	Height in mtr	Girth in cm	Nature	Botanical Name	0-30 cm	30-59 cm	60-89 cm	Check	Plot No	Village Name	Remarks
							S	S	S				
1	1512	Asan	2	60	S	Terminalia tomentosa	-	-	1	1	1733	Phuljhar	Non- forest
2	1514	Asan	3	60	S	Terminalia tomentosa	-	-	1	1	1733	Phuljhar	Non- forest
3	1515	Asan	3	70	S	Terminalia tomentosa	-	-	1	1	1733	Phuljhar	Non- forest
4	1527	Asan	5	80	S	Terminalia tomentosa	-	-	1	1	1733	Phuljhar	Non- forest
5	5	Mahul	1.5	16	S	Madhuka indica	1	-	-	1	1725	Phuljhar	Non- forest
6	6	Kendu	1.5	14	S	Diospyros melanoxylon	1	-	-	1	1725	Phuljhar	Non- forest
7	7	Kendu	1.5	17	S	Diospyros melanoxylon	1	-	-	1	1725	Phuljhar	Non- forest
8	8	Misc	1.5	13	S		1	-	-	1	1725	Phuljhar	Non- forest
9	9	Kendu	1.5	14	S	Diospyros melanoxylon	1	-	-	1	1725	Phuljhar	Non- forest
10	1623	Sal	8	80	S	Shorea robusta	-	-	1	1	1725	Phuljhar	Non- forest
11	1587	Sal	8	80	S	Shorea robusta	-	-	1	1	1725	Phuljhar	Non- forest
12	1588	Sal	5	70	S	Shorea robusta	-	-	1	1	1725	Phuljhar	Non- forest
13	1590	Sal	4	60	S	Shorea robusta	-	-	1	1	1725	Phuljhar	Non- forest
14	14	Kendu	2	21	S	Diospyros melanoxylon	1	-	-	1	1725	Phuljhar	Non- forest
15	1624	Sal	5	70	S	Shorea robusta	-	-	1	1	1725	Phuljhar	Non- forest
16	1621	Sal	5	80	S	Shorea robusta	-	-	1	1	1725	Phuljhar	Non- forest
17	17	Misc	1.5	14	S		1	-	-	1	1725	Phuljhar	Non- forest
18	18	Sal	2	18	S	Shorea robusta	1	-	-	1	1725	Phuljhar	Non- forest
19	19	Kendu	2.6	27	S	Diospyros melanoxylon	1	-	-	1	1725	Phuljhar	Non- forest
20	20	Sal	1.5	17	S	Shorea robusta	1	-	-	1	1725	Phuljhar	Non- forest
21	21	Sal	2	17	S	Shorea robusta	1	-	-	1	1725	Phuljhar	Non- forest
22	22	Kendu	1.5	18	S	Diospyros melanoxylon	1	-	-	1	1725	Phuljhar	Non- forest

Mukherjee Dutta
IC Kuanda Beat

Forest Section Officer
Sukati

Sl. No.	Tree No.	Name of the Specis	Height in mtr	Girth in cm	Nature	Botanical Name	0-30 cm	30-59 cm	60-89 cm	Check	Plot No	Village Name	Remarks
							S	S	S				
23	23	Misc	2	23	S		1	-	-	1	1725	Phuljhar	Non- forest
24	24	Kendu	2	19	S	Diospyros melanoxylon	1	-	-	1	1724	Phuljhar	Non- forest
25	25	Kendu	2	20	S	Diospyros melanoxylon	1	-	-	1	1724	Phuljhar	Non- forest
26	26	Kendu	2	20	S	Diospyros melanoxylon	1	-	-	1	1724	Phuljhar	Non- forest
27	27	Sal	2	29	S	Shorea robusta	1	-	-	1	1724	Phuljhar	Non- forest
28	28	Sal	2	17	S	Shorea robusta	1	-	-	1	1724	Phuljhar	Non- forest
29	29	Sal	2	19	S	Shorea robusta	1	-	-	1	1724	Phuljhar	Non- forest
30	30	Sal	2.5	29	S	Shorea robusta	1	-	-	1	1724	Phuljhar	Non- forest
31	31	Sal	2.5	29	S	Shorea robusta	1	-	-	1	1724	Phuljhar	Non- forest
32	32	Kendu	2	24	S	Diospyros melanoxylon	1	-	-	1	1724	Phuljhar	Non- forest
33	33	Kendu	2	21	S	Diospyros melanoxylon	1	-	-	1	1724	Phuljhar	Non- forest
		TOTAL					*23*	*0*	*10*	*33*			

Forest Range Officer
BJP Forest Range
Forest Range Officer
B.J.P. Range, Anjar

Forest Guard
Kumundi Beat

Forest Section Officer
Suakati

AM/NS INDIA
Authorized Signatory
M/s ArcelorMittal Nippon Steel India Limited

6F
24.11.23

OFFICE OF THE DIVISIONAL FOREST OFFICER
R No. 6747
Date 28.11.23
KEONJHAR DIVISION

Ref. No. AMNS/DBN-TPL/2023/11-01
Date: 20.11.2023

To,

The Asst. Conservator of Forests
I/C Champua Forest Range
Keonjhar Division
Dist – Keonjhar,Odisha

And

The Forest Range Officer
BJP Forest Range
Keonjhar Division
Dist – Keonjhar,Odisha

Sub: Translocation of standing trees standing over 12.7280 Ha. of Forest land & over 9.291 Ha Non-Forest land for laying of Tailing and Water Pipeline,Power and Communication cables from Beneficiation Plant at Dabuna under Barbil Tahasil to proposed Tailing Pond site at Village Sankari under Banspal Tahasil of Keonjhar District (Over 18.178 KM) by ArcelorMittal Nippon Steel India Limited (Formerly known as M/s- Essar Steel India Limited). *(Proposal No. FP/OR/Others/31590/2018)*

Ref: (i) Office Memo of DFO,Keonjhar No. 1976 /Dated 28.02.2023
(ii) AM/NS India's Letter No. AMNS/TPL/2023/01-02 Dated 11.01.2023
(iii) AM/NS India's Letter No. AMNS/DBN-TPL/2023/10-01 Dated 10.10.2023
(iv)Letter of DFO,Keonjhar No. 11095/6F-Mining-10/2016 Dated,Keonjhar the 16th October,2023

Dear Sir(s),

With reference to the Letter No.11095/6F-Mining-10/2016 Dated,Keonjhar the 16th October,2023 it is to inform you that we had appointed M/s-Geoid Resources Pvt. Ltd., one experienced agency in environmental management & feasibility studies to explore the possibility of successful transplantation of maximum number of trees identified to be felled and in this context we have surveyed the entire Tailing Pipeline route and submitted one Forest Range wise proposal for

ArcelorMittal Nippon Steel India Limited
Beneficiation Plant, Dabuna, Via - Joda, Dist : Keonjhar – 758086, Odisha, India
Regd. Off : 27km, Surat - Hazira Road, Hazira, Surat, Gujrat 394270 India
+91 67 6724 2164 / contact@amns.in / www.amns.in

translocation of maximum number of trees at the nearest suitable vacant place *(The title of the proposal is "Tree Translocation in Daburna-Sonkari Pipeline Project." and enclosed as Annexure).*

Name of Range	Girth Class	No of Trees to be translocated			Remarks
		Sound	Unsound	Total	
Champua	Below 30 CM	88	-	88	
	30 – 59 CM	25	-	25	
	60-89 CM	21	-	21	
	Total	134	-	134	
BJP	Below 30 CM	23	-	23	
	30-59 CM	-	-	-	
	60-89 CM	10	-	10	
	Total	33	-	33	
Grand Total		167		167	

The above 167 No of trees can be translocated as per tree translocation project report and tree felling is inevitable for balance numbers. We also marked √ (Tick Mark) against the Serial No. of tree (Girth class 30 – 89 CM) to be translocated in the authenticated tree enumeration list.
This comprehensive report outlines the detailed activities, methodologies, and outcomes of the tree translocation initiative undertaken as part of our pipeline project.

The translocation initiative was carried out in compliance with the conditions outlined in Office Memo of DFO,Keonjhar under reference and the Stage-I approval vide letter No. 5 - ORC481/2021-BHU dt. 28.12.2021 of the Govt. of India, MoEF&CC,IRO,Bhubaneswar.

Furthermore, we take note of the Standing Operating Procedure (SOP) for translocation of trees in Odisha, as conveyed by the Government of Odisha in the Forest Environment & Climate Change Department vide letter FE-PRO-FPRO-0033-2023/ 16114 /FE&CC., dated 01.08.2023. The SOP emphasizes the translocation of trees to new locations, promoting the unearthing and replanting of trees for their regrowth.

ArcelorMittal Nippon Steel India Limited
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We appreciate the Forest Department's attention for environmental conservation, and we are dedicated to collaborating closely with the Forest Department to ensure the successful implementation of the translocation proposal.

Keeping the foregoing submissions in view, your good self may kindly do the needful as deemed fit.

Thanking you,

Yours faithfully,
For ArcelorMittal Nippon Steel India Limited

Authorised Signatory

Enclosure(s): As above.

Copy forwarded to the DFO,Keonjhar for favour of kind information and necessary action.

ArcelorMittal Nippon Steel India Limited
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PROJECT REPORT ON TREE TRANSLOCATION IN DABUNA – SANKARI PIPELINE PROJECT

M/s ArcelorMittal Nippon Steel India Limited

Submitted to
Divisional Forest Officer, Keonjhar Division

PREPARED BY

Geoid Resources Pvt. Ltd. Bhubaneswar

AM/NS INDIA

GEOID

Table of Contents

Executive Summary:

The Dabuna-Sankari Pipeline Project, led by M/s ArcelorMittal Nippon Steel India Limited, represents a significant stride in sustainable resource transportation infrastructure. This comprehensive project encompasses an 18.178 km long tailing and water pipelines, power, and communication cables, stretching from the operational Beneficiation Plant at Dabuna under Barbil Tahasil to the proposed Tailing Dam at Sankari under Banspal Tahasil in the district of Keonjhar, Odisha.

Before commencing with any tree felling activities as part of the Dabuna – Sankari Pipeline Project, a comprehensive Tree Translocation strategy has been devised to mitigate the impact on the local forest ecosystem. This proactive approach underscores the commitment to environmental responsibility, aiming to preserve and relocate mature trees affected by the pipeline development in Champua & BJP Ranges within Keonjhar Forest Division.

The imperative inclusion of a Tree Translocation initiative, executed by Geoid Resources Pvt. Ltd., reflects the commitment to environmental responsibility and preservation of the rich forest ecosystem in Champua & BJP Ranges within Keonjhar Forest Division. Recognizing the ecological significance, the project aims not only to meet logistical goals but also to harmonize with nature.

This Executive Summary encapsulates the holistic approach towards environmental conservation and sustainable development. Beyond the sheer infrastructural components, it underscores the delicate balance between progress and preservation. Through careful planning and execution, this project seeks not only to fulfill operational requirements but to set a benchmark for responsible industrial expansion.

The report addresses the intricacies of land usage, including 12.728 Ha. of forest land and 9.292 Ha. of non-forest land, meticulously categorized into Revenue Forest, DLC Forest, and Non-Forest land recorded as forest. The proposed pipeline route is strategically planned in Topo Sheet No. F45N5 & F45N6, ensuring minimal environmental impact by maintaining a minimum depth of 1 meter beneath the ground surface.

The involvement of Geoid Resources Pvt. Ltd. as the contractor for the tree translocation survey and feasibility report ensures that the ecological impact is systematically assessed. The enumeration list, detailing DGPS locations, tree specifics, and plot numbers, along with a Translocation Location Map, illustrates the meticulous planning to mitigate environmental disturbance.

In conclusion, the Dabuna – Sankari Pipeline Project stands as a testament to the harmonious coexistence of industrial progress and ecological preservation. The successful implementation of the Tree Translocation initiative is poised to set a standard for environmentally conscious development, securing approvals and support from relevant authorities, including the DFO Keonjhar, Odisha.

This project endeavors not only to propel economic growth but to leave an enduring legacy of responsible resource management and environmental stewardship.

Project Overview:

The Dabuna – Sankari Pipeline Project is a visionary endeavor by M/s ArcelorMittal Nippon Steel India Limited, designed to revolutionize industrial infrastructure while upholding environmental stewardship. This comprehensive initiative involves the installation of an 18.178 km, integrating Tailing & Water Pipelines, Power, and Communication Cables. The pipeline is strategically routed through Topo Sheets F45N5 & F45N6, ensuring operational efficiency and minimizing ecological impact. Laid at a minimum depth of 1 meter beneath the ground surface, the pipeline exemplifies engineering excellence, prioritizing both functionality and environmental preservation.

Project Name: Dabuna – Sankari Pipeline

Pipeline Details: 18.178 km Tailing & Water Pipelines, Power & Communication Cables

Pipeline Route: Envisaged in Topo Sheets F45N5 & F45N6

Pipeline Depth: Minimum 1 meter beneath the ground surface

Location:

The Dabuna – Sankari Pipeline Project, which is located in the district of Keonjhar, Odisha, India. The pipeline extends from the Beneficiation Plant at Dabuna under Barbil Tahasil to the proposed Tailing Dam at Sankari under Banspal Tahasil. The project area includes Champua & BJP Ranges in Keonjhar Forest Division, as well as areas in Barbil, Jhumpura, and Banspal Tahasils in Keonjhar district. The specific coordinates or GPS location details are not provided in the scenario. The google map attached as key plan

Land Details:

The project spans a diverse landscape, encompassing 12.728 Ha. of forest land in Champua & BJP Ranges within Keonjhar Forest Division. This land, consisting of Reserved Forest (R.F), Revenue Forest, and Diversion of Land for Compensatory Afforestation (DLC), represents a rich ecosystem. Additionally, 9.292 Ha. of non-forest land in Barbil, Jhumpura, and Banspal Tahasils is seamlessly integrated into the project's trajectory. The meticulous categorization reflects a nuanced approach to land utilization, acknowledging the distinct ecological characteristics of each area.

Forest Land: 12.728 Ha. (Champua & BJP Ranges in Keonjhar Forest Division)

Categories: R.F, Revenue Forest, DLC Forest

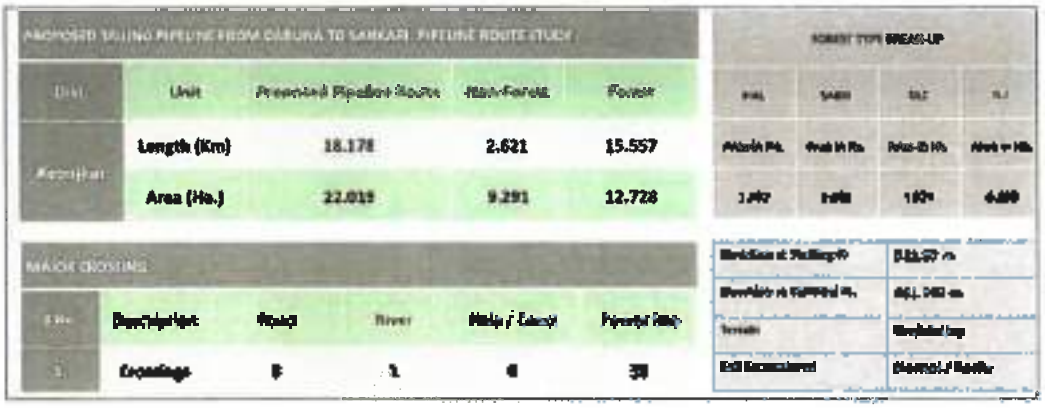
Non-Forest Land: 9.292 Ha. (Barbil, Jhumpura, Banspal Tahasils)

Pipeline Route:

Length: 18.178 km

Non-Forest: 2.621 km

Forest : 15.557 km



Dist	Unit	Proposed Pipeline Route	Non-Forest	Forest
Keonjhar	Length (Km)	18.178	2.621	15.557
	Area (Ha.)	22.019	9.291	12.728

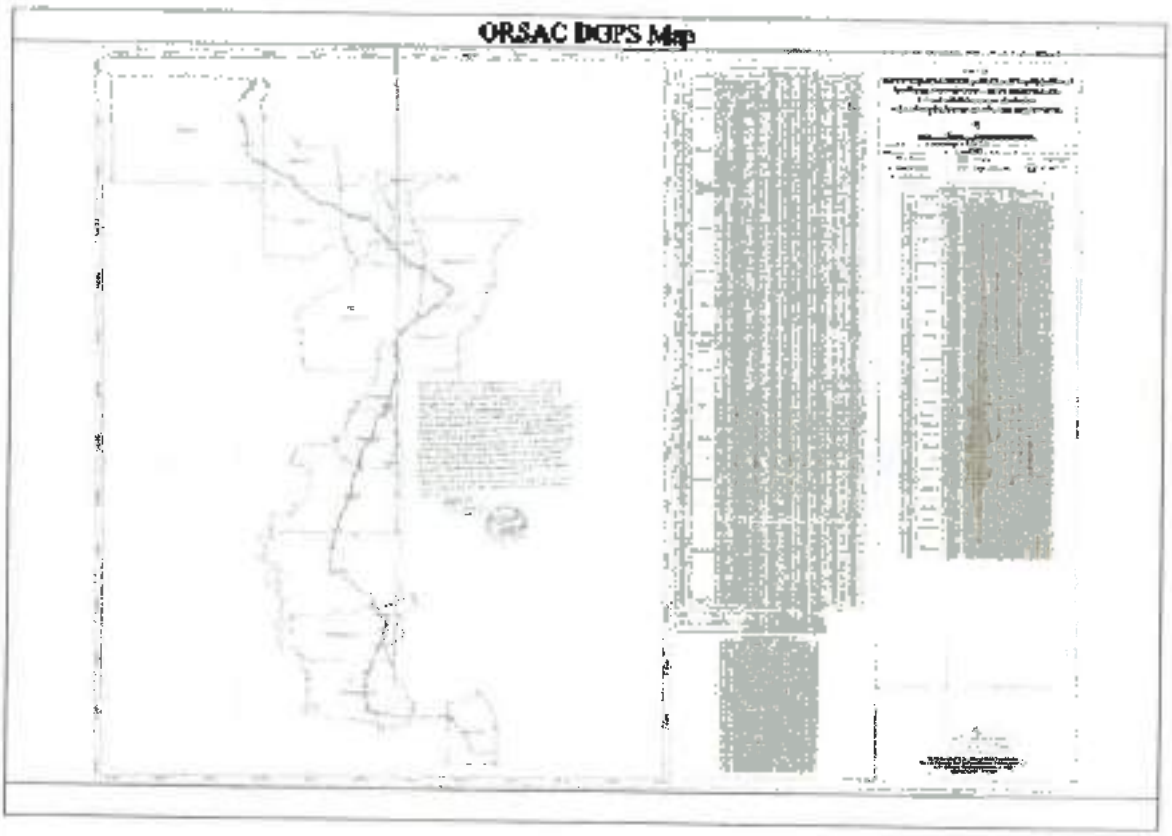
Sl No	Description	Road	River	Nala / Canal	Forest Rly
1	Crossings	8	1	6	38

Village wise break up of Forest & Non-Forest Land

Sl No.	District	Village	Tahsil	Non-Forest Land	Forest land (Incl. R.F)	Total Land
				Area in Ha.	Area in Ha.	Area in Ha.
1	Keonjhar	Purnapani	Barbil	0.787	0.000	0.787
2	Keonjhar	Nalbaga	Jhumpura	1.719	3.359	5.078
3	Keonjhar	Nayagada	Jhumpura	0.301	0.914	1.215
4	Keonjhar	Pancahatia	Jhumpura	0.438	1.304	1.742
5	Keonjhar	Dhenkanjoyar	Jhumpura	0.261	1.946	2.207
6	Keonjhar	Lunapada	Jhumpura	0.451	2.011	2.462
7	Keonjhar	Kasia	Jhumpura	2.285	1.436	3.721

Sl. No.	District	Village	Tehsil	Non-Forest Land	Forest Land (Incl. R.F)	Total Land
				Area in Ha.	Area in Ha.	Area in Ha.
8	Keonjhar	Bahalichandapur	Jhumpura	3.789	1.343	5.132
9	Keonjhar	Phulpur	Hatgopal	1.972	0.112	1.984
10	Keonjhar	Sankari	Hatgopal	0.000	0.000	0.000
Total				9.893	12.729	22.622

ORSAC DGPS Map



Tree Translocation Overview:

Objective of Tree Translocation:

The primary objective of the Tree Translocation initiative within the Daitma – Sankari Pipeline Project is to harmonize industrial progress with ecological conservation. It seeks to mitigate the impact of infrastructure development on the local flora, particularly focusing on preserving mature trees and contributing to the overall biodiversity of the region. The goal is not just to relocate trees but to ensure their successful adaptation and continued contribution to the ecosystem.

Contractor:

Geoid Resources Pvt. Ltd., the appointed contractor for the tree translocation survey, brings a wealth of experience in environmental management and feasibility studies. Their role encompasses the meticulous execution of the translocation plan, adhering to best practices and employing advanced techniques for tree preservation and relocation.

Feasibility Report:

The feasibility report for tree translocation within the ambit of the Dabuna – Sankari Pipeline Project is an essential document prepared by Geoid Resources Pvt. Ltd. This report critically evaluates the practicality and viability of relocating trees affected by the pipeline development, ensuring a harmonious blend of industrial progress and ecological preservation.

Objectives:

The primary objectives of this feasibility study are to:

- Assess the viability of tree translocation within the project area.
- Evaluate the potential environmental impact of the translocation process.
- Determine the health and adaptability of identified trees for successful relocation.
- Identify suitable translocation sites in alignment with the local ecosystem.
- Develop a comprehensive logistical plan for the extraction, transportation, and replanting of trees.
- Mitigate potential risks associated with the translocation endeavor.
- Evaluate the social impact on local communities.
- Conduct a cost-benefit analysis to assess the economic and environmental implications.

Scope of Tree Translocation:

Health Assessment:

A detailed health assessment of each identified tree was carried out. This involves evaluating factors such as overall health, disease resistance, and structural integrity to determine the trees' viability for successful translocation.

The overall health of each identified tree is comprehensively evaluated. This includes a thorough examination of:

- Foliage Condition: Assessing the color, density, and overall vitality of the tree's foliage.
- Bark Health: Examining the bark for signs of diseases, lesions, or abnormalities.
- Branch Structure: Analyzing the branching pattern and structural integrity.

- **Trunk Stability:** Evaluating the stability and strength of the trunk.
- **Branch Attachment:** Ensuring secure attachment of branches to the trunk.
- **Root System Health:** Examining the health and spread of the root system.

Suitability Analysis for Translocation:

A comprehensive suitability analysis was conducted by Geoid Resources Pvt. Ltd. to assess the feasibility and appropriateness of translocating trees within the Dabuna – Sankari Pipeline Project. This analysis involved a multidimensional evaluation, considering ecological compatibility, health status, and environmental impact to ensure the success of the tree translocation initiative.

Identification and Enumeration:

Geoid Resources will conduct a comprehensive survey to identify and enumerate trees within the project corridor. The survey will include data on species diversity, tree sizes, and health conditions, forming the foundation for the translocation strategy.

Tree Translocation survey, conducted a thorough survey within the project corridor. The survey aimed to identify and enumerate trees, providing essential data for the translocation strategy. Below is a partial list of enumerated trees along with accompanying photographs.

Champua Range

Terrain Challenges for Tree Translocation:

The topography of the identified areas in Champua Range reveals predominantly steep relief, presenting formidable challenges for accessing these locations with cranes and trailers during the tree translocation process.

Summary of Suitable Trees for Translocation:

Considering the challenging terrain and other factors, a thorough assessment has been conducted, identifying 134 trees within Champua Range deemed suitable for translocation. These selected trees are proposed for relocation to mitigate the impact of the Dabuna – Sankari Pipeline Project on the local forest ecosystem.

Enclosed Annexures:

Annexure-I: Geo-tagged Photographs of Selected Trees

Attached herewith is a detailed sheet containing geo-tagged photographs of the identified trees proposed for translocation. Each photograph is uniquely labeled to correspond with the specific tree's details.

Trees below 30cm girth to be translocated


T-1


T-5


T-6


T-7


T-8


T-13


T-14


T-15


T-17


T-22


T-23


T-24

Trees below 90cm girth to be translocated

T-28

T-29

T-30

T-32

T-33

T-34

T-35

T-36

T-37

T-38

T-39

T-40

Trees below 90cm girth to be translocated

T-41

T-42

T-43

T-45

T-46

T-47

T-49

T-50

T-51

T-53

T-54

T-56

Trees below 30cm girth to be translocated

T-57

T-58

T-65

T-67

T-68

T-69

T-72

T-73

T-74

T-75

T-76

T-77

Trees below 30cm girth to be translocated

T-78

T-79

T-80

T-81

T-83

T-91

T-92

T-94

T-97

T-98

T-100

T-101

Trees below 30cm girth to be translocated

T-102

T-103

T-104

T-105

T-106

T-107

T-109

T-110

T-114

T-116

T-117

T-118

AM/NS INDIA

GEOID RESOURCES

Trees below 30cm girth to be translocated

T-119

T-120

T-121

T-122

T-123

T-124

T-125

T-126

T-127

T-128

T-129

T-130

Trees below 30cm girth to be translocated


T-131


T-132


T-133


T-134

AM/NS INDIA

GEOID

Trees above 30cm and below 60cm girth to be translocated

T-2(103)

T-3(106)

T-11(130)

T-16(181)

T-25(257)

T-26(268

T-31(746)

T-48(759)

T-52(760)

T-55(769)

T-60(817)

T-61(819)

Trees above 30cm and below 60cm girth to be translocated

T-62(820)

T-64(825)

T-70(870)

T-71(850)

T-84(950)

T-85(949)

T-86(951)

T-90(997)

T-108(1104)

T-111(1105)

T-112(1106)

T-113(1107)

Trees above 30cm and below 90cm girth to be transformed

T-115(1108)

Trees above 60cm and below 90cm girth to be translocated


T-4(114)


T-9(125)


T-10(129)


T-12(132)


T-18(182)


T-19(177)


T-20(231)


T-21(237)


T-27(266)


T-44(757)


T-59(802)


T-63(829)


T-66(839)

Trees above 60cm and below 90cm girth to be translocated

T-82(930)

T-87(957)

T-88(967)

T-89(971)

T-93(1001)

T-95(1024)

T-96(1026)

T-99(1030)

Annexure-II: Species-wise Details of Trees (Girth Size: 30cm to above 90cm)

Provided herewith is a comprehensive document detailing the species-wise information of trees earmarked for translocation. These trees fall within the girth size range of 30cm to above 90cm, highlighting their significance in the preservation and biodiversity of the region.

Tree enumeration list of trees to be translocate

Sl. No.	Tree no	Name of the Species	Height in mtr	Girth in cm	Nature	Botanical Name	0-29 cm	30-59 cm	60-89 cm	Plot No	Village name
							S	S	S		
1	1	Kurama	2	16	S	Acacia polyacantha	1	-	-	RF	Naibaga RF

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GEOID RESOURCES

Sl. No.	Tree no	Name of the Species	Height in mtr	Girth in cm	Nat ure	Botanical Name	0-29 cm	30-59 cm	60-89 cm	Plot No	Village name
							S	S	S		
2	108	Sal	2	35	S	Shorea robusta	-	1	-	RF	Naibaga RF
3	106	Sal	3	30	S	Shorea robusta	-	1	-	RF	Naibaga RF
4	114	Jia	3	75	S		-	-	1	RF	Naibaga RF
5	5	Sal	3	20	S	Shorea robusta	1	-	-	RF	Naibaga RF
6	6	Sal	3	29	S	Shorea robusta	1	-	-	RF	Naibaga RF
7	7	Sal	2	20	S	Shorea robusta	1	-	-	RF	Naibaga RF
8	8	Sal	3	23	S	Shorea robusta	1	-	-	RF	Naibaga RF
9	125	Sal	4	90	S	Shorea robusta	-	-	1	RF	Naibaga RF
10	129	Sal	4	90	S	Shorea robusta	-	-	1	RF	Naibaga RF
11	130	Kusum	3	40	S	Schleichera oleosa	-	1	-	RF	Naibaga RF
12	132	Asan	4	60	S	Terminalia tomentosa	-	-	1	RF	Naibaga RF
13	13	Sal	2	21	S	Shorea robusta	1	-	-	RF	Naibaga RF
14	14	Sal	2	18	S	Shorea robusta	1	-	-	RF	Naibaga RF
15	15	Sal	2	18	S	Shorea robusta	1	-	-	RF	Naibaga RF
16	181	Sal	3	50	S	Shorea robusta	-	1	-	RF	Naibaga RF
17	17	Sal	3	28	S	Shorea robusta	1	-	-	RF	Naibaga RF
18	182	Sal	5	70	S	Shorea robusta	-	-	1	RF	Naibaga RF
19	177	Sal	2	70	S	Shorea robusta	-	-	1	RF	Naibaga RF
20	231	Asan	5	70	S	Terminalia tomentosa	-	-	1	RF	Naibaga RF
21	237	Mahul	3	80	S	Madhuka indica	-	-	1	RF	Naibaga RF
22	22	Jamun	3	23	S	Syzygium cumini	1	-	-	RF	Naibaga RF
23	23	Sal	4	29	S	Shorea robusta	1	-	-	RF	Naibaga RF
24	24	Kendu	2	26	S	Diospyros melanoxylon	1	-	-	RF	Naibaga RF
25	257	Chura	3	35	S	Buchanania lanzan	-	1	-	RF	Naibaga RF
26	268	Sal	2	40	S	Shorea robusta	-	1	-	RF	Naibaga RF
27	266	Sal	5	60	S	Shorea robusta	-	-	1	RF	Naibaga RF
28	28	Sal	5	29	S	Shorea robusta	1	-	-	1104	Dhanurjaypur
29	29	Sal	2	21	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
30	30	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
31	746	Sal	1	48	S	Shorea robusta	-	1	-	1110	Dhanurjaypur
32	32	Sal	2.5	19	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
33	33	Sal	2	15	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
34	34	Sal	3	23	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
35	35	Sal	2	19	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
36	36	Sal	2	17	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
37	37	Sal	2	19	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
38	38	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
39	39	Sal	3	26	S	Shorea robusta	1	-	-	1110	Dhanurjaypur

Sl. No.	Tree no	Name of the Species	Height in mtr	Girth in cm	Nature	Botanical Name	0-29 cm	30-59 cm	60-89 cm	Plot No	Village name
							S	S	S		
40	40	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
41	41	Sal	3	23	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
42	42	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
43	43	Sal	3	21	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
44	757	Sal	8	62	S	Shorea robusta	-	-	1	1110	Dhanurjaypur
45	45	Sal	3	21	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
46	46	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
47	47	Sal	2	26	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
48	759	Sal	3	40	S	Shorea robusta	-	1	-	1110	Dhanurjaypur
49	49	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
50	50	Sal	2	21	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
51	51	Sal	2	16	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
52	760	Sal	2	38	S	Shorea robusta	-	1	-	1110	Dhanurjaypur
53	53	Sal	2	18	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
54	54	Sal	3	21	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
55	769	Sal	2	40	S	Shorea robusta	-	1	-	1110	Dhanurjaypur
56	56	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
57	57	Misc	2	20	S		1	-	-	1110	Dhanurjaypur
58	58	Mahul	2	23	S	Madhuka indica	1	-	-	1110	Dhanurjaypur
59	802	Mahul	5	80	S	Madhuka indica	-	-	1	1110	Dhanurjaypur
60	617	Sal	5	40	S	Shorea robusta	-	1	-	1115	Dhanurjaypur
61	619	Sal	5	40	S	Shorea robusta	-	1	-	1115	Dhanurjaypur
62	620	Sal	5	42	S	Shorea robusta	-	1	-	1115	Dhanurjaypur
63	829	Mahul	4	70	S	Madhuka indica	-	-	1	1115	Dhanurjaypur
64	625	Sal	3	35	S	Shorea robusta	-	1	-	1115	Dhanurjaypur
65	63	Mahul	3	29	S	Madhuka indica	1	-	-	1115	Dhanurjaypur
66	839	Sal	5	50	S	Shorea robusta	-	-	1	1115	Dhanurjaypur
67	67	Sal	3	29	S	Shorea robusta	1	-	-	1115	Dhanurjaypur
68	68	Sal	3	25	S	Shorea robusta	1	-	-	1115	Dhanurjaypur
69	69	Kusum	2	29	S	Schleichera oleosa	1	-	-	1115	Dhanurjaypur
70	870	Jamun	3	40	S	Syzygium cumini	-	1	-	824/953	Patsahidar
71	850	Sal	3	40	S	Shorea robusta	-	1	-	824/953	Patsahidar
72	72	Sal	2	29	S	Shorea robusta	1	-	-	824/953	Patsahidar
73	73	Sal	2	29	S	Shorea robusta	1	-	-	824/953	Patsahidar
74	74	Sal	3	29	S	Shorea robusta	1	-	-	824/953	Patsahidar
75	75	Kusum	2	24	S	Schleichera oleosa	1	-	-	824/953	Patsahidar
76	76	Jamun	3	23	S	Syzygium cumini	1	-	-	824/953	Patsahidar
77	77	Jamun	2	22	S	Syzygium cumini	1	-	-	824/953	Patsahidar
78	78	Jamun	1.5	14	S	Syzygium cumini	1	-	-	824/953	Patsahidar

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Sl. No.	Tree no	Name of the Species	Height in mtr	Girth in cm	Nur ure	Botanical Name	0-29 cm	30-59 cm	60-89 cm	Plot No	Village name
							0	S	8		
79	79	Jamun	1.5	14	S	Syzygium cumini	1	-	-	824/953	Patnikudar
80	80	Sal	1.5	14	S	Shorea robusta	1	-	-	824/953	Patnikudar
81	81	Sal	2.5	26	S	Shorea robusta	1	-	-	824/953	Patnikudar
82	938	Mahul	3	60	S	Madhuka indica	-	-	1	1124	Dhanurjaypur
83	83	Mahul	2	29	S	Madhuka indica	1	-	-	1124	Dhanurjaypur
84	950	Mahul	3	35	S	Madhuka indica	-	1	-	1128	Dhanurjaypur
85	949	Mahul	3	40	S	Madhuka indica	-	1	-	1128	Dhanurjaypur
86	951	Mahul	3	40	S	Madhuka indica	-	1	-	1128	Dhanurjaypur
87	957	Mahul	3	60	S	Madhuka indica	-	-	1	1128	Dhanurjaypur
88	967	Mahul	3	65	S	Madhuka indica	-	-	1	5	Lunagadia
89	971	Mahul	3	60	S	Madhuka indica	-	-	1	5	Lunagadia
90	997	Mahul	3	40	S	Madhuka indica	-	1	-	5	Lunagadia
91	91	Sal	2	19	S	Shorea robusta	1	-	-	5	Lunagadia
92	92	Sal	2	16	S	Shorea robusta	1	-	-	5	Lunagadia
93	1001	Sal	3	70	S	Shorea robusta	-	-	1	5	Lunagadia
94	94	Arjuna	2	20	S	Syzygium cumini	1	-	-	5	Lunagadia
95	1024	Asna	3	60	S	Terminalia tomentosa	-	-	1	5	Lunagadia
96	1026	Sal	8	70	S	Shorea robusta	-	-	1	5	Lunagadia
97	97	Sal	2	30	S	Shorea robusta	1	-	-	5	Lunagadia
98	98	Sal	2	23	S	Shorea robusta	1	-	-	5	Lunagadia
99	1030	Mahul	3	80	S	Madhuka indica	-	-	1	5	Lunagadia
100	100	Sal	2	15	S	Shorea robusta	1	-	-	5	Lunagadia
101	101	Sal	2	21	S	Shorea robusta	1	-	-	5	Lunagadia
102	102	Sal	3	24	S	Shorea robusta	1	-	-	5	Lunagadia
103	103	Sal	2	29	S	Shorea robusta	1	-	-	5	Lunagadia
104	104	Sal	2.5	29	S	Shorea robusta	1	-	-	5	Lunagadia
105	105	Sal	2	16	S	Shorea robusta	1	-	-	5	Lunagadia
106	106	Mahul	2	21	S	Madhuka indica	1	-	-	5	Lunagadia
107	107	Sal	2.5	22	S	Shorea robusta	1	-	-	5	Lunagadia
108	1104	Sal	5	50	S	Shorea robusta	-	1	-	88	Kasia
109	109	Sal	2	26	S	Shorea robusta	1	-	-	88	Kasia
110	110	Sal	2	23	S	Shorea robusta	1	-	-	88	Kasia
111	1105	Sal	3	40	S	Shorea robusta	-	1	-	88	Kasia
112	1106	Sal	4	48	S	Shorea robusta	-	1	-	88	Kasia
113	1107	Sal	4	40	S	Shorea robusta	-	1	-	88	Kasia
114	114	Sal	4	29	S	Shorea robusta	1	-	-	88	Kasia
115	1108	Sal	3	38	S	Shorea robusta	-	1	-	88	Kasia
116	116	Sal	2	19	S	Shorea robusta	1	-	-	88	Kasia
117	117	Sal	3	28	S	Shorea robusta	1	-	-	88	Kasia

Sl. No.	Tree no	Name of the Species	Height in mtr	Girth in cm	Nativ	Botanical Name	0-29 cm	30-59 cm	60-89 cm	Plot No	Village name
							S	S	S		
118	118	Bahada	2	18	S	Terminalia belerica	1	-	-	76	Kasia
119	119	Sal	2	25	S	Shorea robusta	1	-	-	76	Kasia
120	120	Misc	1.5	29	S		1	-	-	76	Kasia
121	121	Sal	3	29	S	Shorea robusta	1	-	-	76	Kasia
122	122	Sal	2	20	S	Shorea robusta	1	-	-	76	Kasia
123	123	Sal	2	20	S	Shorea robusta	1	-	-	76	Kasia
124	124	Sal	2	24	S	Shorea robusta	1	-	-	76	Kasia
125	125	Sal	4	25	S	Shorea robusta	1	-	-	76	Kasia
126	126	Sal	4	29	S	Shorea robusta	1	-	-	76	Kasia
127	127	Sal	3	29	S	Shorea robusta	1	-	-	76	Kasia
128	128	Sal	2	25	S	Shorea robusta	1	-	-	76	Kasia
129	129	Sal	2	23	S	Shorea robusta	1	-	-	76	Kasia
130	130	Sal	4	29	S	Shorea robusta	1	-	-	76	Kasia
131	131	Sal	3	28	S	Shorea robusta	1	-	-	76	Kasia
132	132	Kusum	2	23	S	Schleichera oleosa	1	-	-	76	Kasia
133	133	Kusum	3	29	S	Schleichera oleosa	1	-	-	76	Kasia
134	134	Sal	4	24	S	Shorea robusta	1	-	-	76	Kasia
		TOTAL					80	25	21	134	

Abstract

Sl. No.	Name of the Species	Botanical Name	0-29cm	30-59cm	60-89cm	Total	Remarks
			S	S	S	S	
1	Sal	Shorea robusta	69	18	9	96	
2	Mahul	Madhuka indica	4	4	8	16	
3	Jamun	Syzygium cumini	6	1	0	7	
4	Kendu	Diospyros melanoxylon	1	0	0	1	
5	Asan	Terminalia tomentosa	0	0	3	3	
6	Kusum	Schleichera oleosa	4	1	0	5	
7	Bahada	Terminalia belerica	1	0	0	1	
8	Charo	Buchanania lanzan	0	1	0	1	
9	Kuruma	Acacia polyacantha	1	0	0	1	
10	Jia		0	0	1	1	
11	Misc		2	0	0	2	
TOTAL			80	25	21	134	

BJP Range

Annexure-III: Geo-tagged Photographs of Selected Trees

Attached herewith is a detailed sheet containing geo-tagged photographs of the identified trees proposed for translocation. Each photograph is uniquely labeled to correspond with the specific tree's details.

Trees below 30cm girth to be translocated


T-05


T-06


T-07


T-08


T-09


T-14


T-17


T-18


T-19


T-20


T-21


T-22

Trees below 30cm girth to be translocated


T-33


T-24


T-25


T-26


T-28


T-29


T-32


T-33


T-27


T-30


T-31

Trees above 60cm and below 90cm girth to be translocated


T-01


T-02

T-03


T-04


T-10

T-11

T-12

T-13

T-15

T-16

Annexure -IV: The List of Enumerated Trees to be translocated in the Tailing Pipe Line from Beneficiation Plant at Dubuna to the Tailing Dam at Sankhari village Under BJP Range of M/s ArcelorMittal Nippon Steel India Limited

Sl. No.	Tree No.	Name of the Species	Height in mtr	Girth in cm	Nature	Botanical Name	0-30 cm	30-60 cm	60-90 cm	Plot No	Village Name	Remarks
							S	S	S			
1	1512	Asan	2	60	S	Terminalia tomentosa	-	-	1	1733	Phuljhar	Non-forest
2	1514	Asan	3	60	S	Terminalia tomentosa	-	-	1	1733	Phuljhar	Non-forest
3	1515	Asan	3	70	S	Terminalia tomentosa	-	-	1	1733	Phuljhar	Non-forest
4	1527	Asan	5	80	S	Terminalia tomentosa	-	-	1	1733	Phuljhar	Non-forest
5	5	Mahul	1.5	16	S	Madhuka indica	1	-	-	1725	Phuljhar	Non-forest
6	6	Kendu	1.5	14	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest
7	7	Kendu	1.5	17	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest
8	8	Misc	1.5	15	S		1	-	-	1725	Phuljhar	Non-forest
9	9	Kendu	1.5	14	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest
10	1623	Sal	8	80	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
11	1587	Sal	8	80	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
12	1588	Sal	5	70	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
13	1590	Sal	4	60	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
14	14	Kendu	2	23	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest
15	1624	Sal	5	70	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
16	1621	Sal	5	80	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
17	17	Misc	1.5	14	S		1	-	-	1725	Phuljhar	Non-forest
18	18	Sal	2	18	S	Shorea robusta	1	-	-	1725	Phuljhar	Non-forest
19	19	Kendu	2.5	27	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest
20	20	Sal	1.5	17	S	Shorea robusta	1	-	-	1725	Phuljhar	Non-forest
21	21	Sal	2	17	S	Shorea robusta	1	-	-	1725	Phuljhar	Non-forest
22	22	Kendu	1.5	18	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest

Sl. No.	Tree No.	Name of the Species	Height in mtr	Girth in cm	Nature	Botanical Name	0-30 cm	30-60 cm	60-90 cm	Plot No	Village Name	Remarks
							S	S	S			
23	23	Misc	2	23	S		1	-	-	1725	Phuljhar	Non-forest
24	24	Kendu	2	19	S	Diospyros melanoxylon	1	-	-	1724	Phuljhar	Non-forest
25	25	Kendu	2	20	S	Diospyros melanoxylon	1	-	-	1724	Phuljhar	Non-forest
26	26	Kendu	2	28	S	Diospyros melanoxylon	1	-	-	1724	Phuljhar	Non-forest
27	27	Sal	2	29	S	Shorea robusta	1	-	-	1724	Phuljhar	Non-forest
28	28	Sal	2	17	S	Shorea robusta	1	-	-	1724	Phuljhar	Non-forest
29	29	Sal	2	19	S	Shorea robusta	1	-	-	1724	Phuljhar	Non-forest
30	30	Sal	2.5	29	S	Shorea robusta	1	-	-	1724	Phuljhar	Non-forest
31	31	Sal	2.5	29	S	Shorea robusta	1	-	-	1724	Phuljhar	Non-forest
32	32	Kendu	2	24	S	Diospyros melanoxylon	1	-	-	1724	Phuljhar	Non-forest
33	33	Kendu	2	21	S	Diospyros melanoxylon	1	-	-	1724	Phuljhar	Non-forest
		TOTAL					23	0	10	33		

Abstract

Sl. No.	Name of the Species	Botanical Name	0-29cm	30-59cm	60-89cm	Total	Remarks
			S	S	S	S	
1	Sal	Shorea robusta	8	0	6	14	
2	Mahul	Madhuka indica	1	0	0	1	
3	Kendu	Diospyros melanoxylon	11	0	0	11	
4	Asan	Terminalia tomentosa	0	0	4	4	
5	Misc		3	0	0	3	
TOTAL			23	0	10	33	

DGPS Location Tagging for Trees:

DGPS (Differential Global Positioning System) location tagging is a critical component of the tree translocation initiative within the Dabuna – Sankari Pipeline Project. The precise tagging of tree locations using DGPS technology ensures accurate mapping, facilitating efficient monitoring and successful execution of the translocation plan.

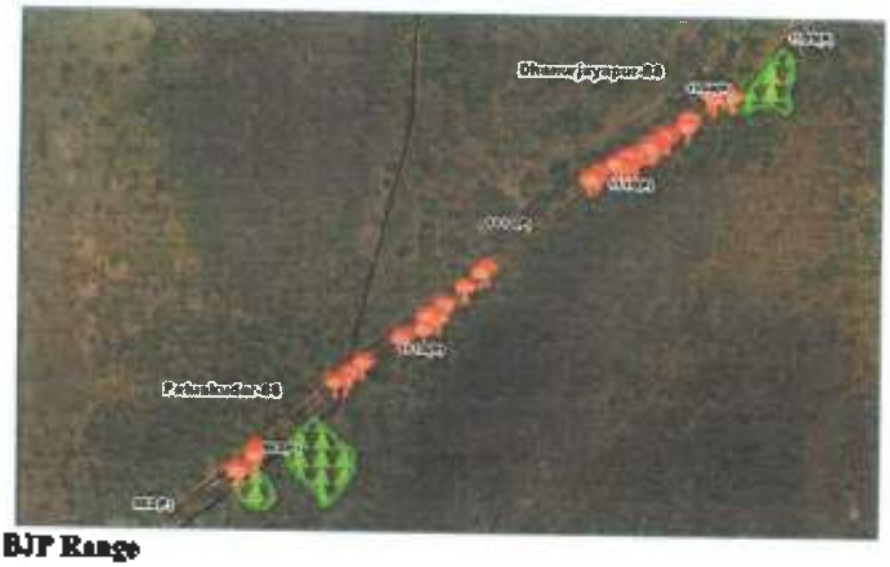
The DGPS location survey conducted by Geoid Resources Pvt. Ltd., coupled with the preparation of a detailed map, serves as a robust foundation for ongoing monitoring efforts. This comprehensive approach ensures that the project team has the necessary tools and information to make informed decisions regarding the health, status, and successful translocation of trees within the project corridor.

Geoid Resources Pvt. Ltd. has prepared a comprehensive Translocation Location Map that illustrates the DGPS-tagged locations of translocated trees within the project corridor. This map serves as a visual guide for monitoring and management purposes. Below is a description of the key features and areas covered by the map:

Champua Range

Annexure-V: Map of Proposed Tree Locations

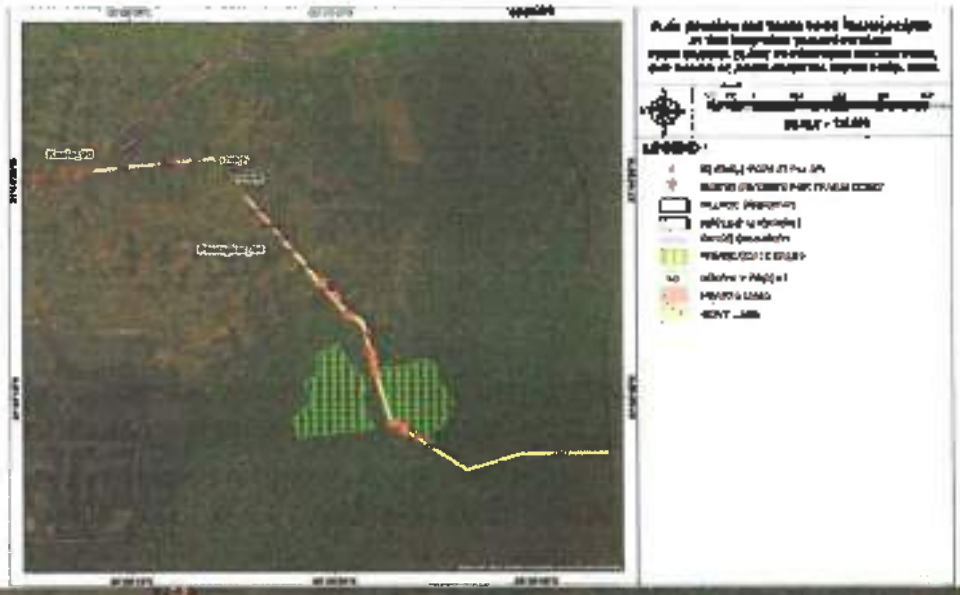
Enclosed is a map illustrating the precise locations of the proposed trees within Champua Range. This map serves as a visual guide to understand the geographical distribution of the trees in relation to the challenging terrain.



BJP Range

Annexure-VI: **Map of Proposed Tree Locations**

Enclosed is a map illustrating the precise locations of the proposed trees within BJP Range. This map serves as a visual guide to understand the geographical distribution of the trees in relation to the challenging terrain.



Translocation Site Identification:

The translocation site identification process is guided by a holistic approach that prioritizes ecological compatibility, health considerations, stakeholder engagement, and long-term

sustainability. The strategic selection of these sites is fundamental to fostering the successful adaptation of translocated trees within the dynamic landscape of the Dabuna – Sankari Pipeline Project.

Mitigation Measures:

AMNS will implement mitigation measures to minimize any stress or shock the translocated trees might experience. This involves employing specialized techniques for tree extraction, root ball preservation, and post-translocation care.

Monitoring and Post-Translocation Care:

The contractor will implement a robust monitoring system to track the progress of translocated trees. Additionally, a post-translocation care plan will be established to ensure the ongoing health and acclimatization of the transplanted trees, including watering, fertilization, and protection measures.

Integration with Environmental Impact Mitigation:

The tree translocation plan is intricately integrated with the broader Environmental Impact Mitigation strategy of the project. By preserving and relocating trees, the initiative contributes to maintaining the overall biodiversity of the region, mitigating the impact of construction activities, and promoting sustainable development practices.

In essence, the tree translocation component of the Dabuna-Sankari Pipeline Project exemplifies a meticulous and environmentally conscious approach to infrastructure development, ensuring that the region's rich ecological tapestry remains intact and flourishes even amidst progressive industrial initiatives.

Conclusion:

The Dabuna-Sankari Pipeline Project, a venture spearheaded by M/s ArcelorMittal Nippon Steel India Limited, stands as a beacon of sustainable development, harmonizing industrial progress with environmental responsibility. The comprehensive, spanning 18.178 km, represents a significant stride in resource transportation infrastructure, strategically connecting the Beneficiation Plant at Dabuna to the proposed Tailing Dam at Sankari in the district of Keonjhar, Odisha.

The integration of a Tree Translocation initiative, executed by Geoid Resources Pvt. Ltd., underscores a profound commitment to the preservation of the local forest ecosystem within Champua & BIP Ranges in Keonjhar Forest Division. This executive summary encapsulates the project's holistic approach, highlighting not only its infrastructural prowess but also its dedication to the delicate balance between progress and preservation.

The report meticulously details land usage intricacies, encompassing 12.728 Ha. of forest land and 9.292 Ha. of non-forest land, with careful categorization into Revenue Forest, DLC Forest, and Non-Forest land recorded as forest. The pipeline route, strategically planned in Topo Sheets F45N5

& P45N6, emphasizes environmental consciousness by maintaining a minimum depth of 1 meter beneath the ground surface.

The involvement of Geoid Resources Pvt. Ltd. as the contractor ensures that the Tree Translocation initiative is executed with precision. The enumeration list, DGPS locations, tree specifics, and Translocation Location Map demonstrate meticulous planning to minimize environmental disturbance.

In conclusion, the Dalpura–Sankari Pipeline Project serves as a testament to the harmonious coexistence of industrial progress and ecological preservation. The successful implementation of the Tree Translocation initiative sets a standard for environmentally conscious development, securing approvals and support from relevant authorities, including the DFO Keonjhar, Odisha.

Beyond economic growth, this project endeavors to leave an enduring legacy of responsible resource management and environmental stewardship. By seamlessly integrating the tree translocation initiative with the broader Environmental Impact Mitigation strategy, the project exemplifies a meticulous and environmentally conscious approach to infrastructure development. It is a model for sustainable progress, ensuring that the region's rich ecological tapestry remains intact and flourishes even amidst progressive industrial initiatives.

Prepared by
Geoid Resources Pvt. Ltd.

Authorized Signatory
M/s ArcelorMittal Nippon Steel India Limited

Forest Range Office
BJP Forest Range

ACF, I/C
Champua Forest Range
Asst. Conservator of Forest
I/C, Champua Forest Range

PROJECT REPORT ON TREE TRANSLOCATION IN DABUNA – SANKARI PIPELINE PROJECT

M/s ArcelorMittal Nippon Steel India Limited

Submitted to
Divisional Forest Officer, Keonjhar Division

PREPARED BY

Geoid Resources Pvt. Ltd. Bhubaneswar

Table of Contents

Executive Summary:

The Dabuna-Sankari Pipeline Project, led by M/s ArcelorMittal Nippon Steel India Limited, represents a significant stride in sustainable resource transportation infrastructure. This comprehensive project encompasses an 18.178 km long tailing and water pipelines, power, and communication cables, stretching from the operational Beneficiation Plant at Dabuna under Barbil Tahasil to the proposed Tailing Dam at Sankari under Banspal Tahasil in the district of Keonjhar, Odisha.

Before commencing with any tree felling activities as part of the Dabuna – Sankari Pipeline Project, a comprehensive Tree Translocation strategy has been devised to mitigate the impact on the local forest ecosystem. This proactive approach underscores the commitment to environmental responsibility, aiming to preserve and relocate mature trees affected by the pipeline development in Champua & BJP Ranges within Keonjhar Forest Division.

The imperative inclusion of a Tree Translocation initiative, executed by Geoid Resources Pvt. Ltd., reflects the commitment to environmental responsibility and preservation of the rich forest ecosystem in Champua & BJP Ranges within Keonjhar Forest Division. Recognizing the ecological significance, the project aims not only to meet logistical goals but also to harmonize with nature.

This Executive Summary encapsulates the holistic approach towards environmental conservation and sustainable development. Beyond the sheer infrastructural components, it underscores the delicate balance between progress and preservation. Through careful planning and execution, this project seeks not only to fulfill operational requirements but to set a benchmark for responsible industrial expansion.

The report addresses the intricacies of land usage, including 12.728 Ha. of forest land and 9.292 Ha. of non-forest land, meticulously categorized into Reserve Forest, DLC Forest, and Non-Forest land recorded as forest. The proposed pipeline route is strategically planned in Topo Sheet No. F45N5 & F45N6, ensuring minimal environmental impact by maintaining a minimum depth of 1 meter beneath the ground surface.

The involvement of Geoid Resources Pvt. Ltd. as the contractor for the tree translocation survey and feasibility report ensures that the ecological impact is systematically assessed. The enumeration list, detailing DGPS locations, tree specifics, and plot numbers, along with a Translocation Location Map, illustrates the meticulous planning to mitigate environmental disturbance.

In conclusion, the Dabuna – Sankari Pipeline Project stands as a testament to the harmonious coexistence of industrial progress and ecological preservation. The successful implementation of the Tree Translocation initiative is poised to set a standard for environmentally conscious development, securing approvals and support from relevant authorities, including the DFO Keonjhar, Odisha.

This project endeavors not only to propel economic growth but to leave an enduring legacy of responsible resource management and environmental stewardship.

Project Overview:

The Debuna – Sankari Pipeline Project is a visionary endeavor by M/s ArcelorMittal Nippon Steel India Limited, designed to revolutionize industrial infrastructure while upholding environmental stewardship. This comprehensive initiative involves the installation of an 18.178 km, integrating Tailing & Water Pipelines, Power, and Communication Cables. The pipeline is strategically routed through Topo Sheets F45N5 & F45N6, ensuring operational efficiency and minimizing ecological impact. Laid at a minimum depth of 1 meter beneath the ground surface, the pipeline exemplifies engineering excellence, prioritizing both functionality and environmental preservation.

Project Name: Debuna – Sankari Pipeline

Pipeline Details: 18.178 km Tailing & Water Pipelines, Power & Communication Cables

Pipeline Route: Envisaged in Topo Sheets F45N5 & F45N6

Pipeline Depth: Minimum 1 meter beneath the ground surface

Location:

The Debuna – Sankari Pipeline Project, which is located in the district of Keonjhar, Odisha, India. The pipeline extends from the Beneficiation Plant at Debuna under Barbil Tahasil to the proposed Tailing Dam at Sankari under Banspal Tahasil. The project area includes Champua & BJP Ranges in Keonjhar Forest Division, as well as areas in Barbil, Anandpura, and Banspal Tahasils in Keonjhar district. The specific coordinates or GPS location details are not provided in the scenario. The google map attached as key plan

Land Details:

The project spans a diverse landscape, encompassing 12.728 Ha. of forest land in Champua & BJP Ranges within Keonjhar Forest Division. This land, consisting of Reserved Forest (R.F), Revenue Forest, and Diversion of Land for Compensatory Afforestation (DLC), represents a rich ecosystem. Additionally, 9.292 Ha. of non-forest land in Barbil, Jhumpura, and Banspal Tahasils is seamlessly integrated into the project's trajectory. The meticulous categorization reflects a nuanced approach to land utilization, acknowledging the distinct ecological characteristics of each area.

Forest Land: 12.728 Ha. (Champua & BJP Ranges in Keonjhar Forest Division)

Categories: R.F, Revenue Forest, DLC Forest

Non-Forest Land: 9.292 Ha. (Barbil, Jhumpura, Banspal Tahasils)

Pipeline Route:

Length: 18.178 km

Non-Forest: 2.621 km

Forest : 15.557 km

PROPOSED SLURRY PIPELINE FROM DAHUKA TO MANOHARI PIPELINE ROUTE STUDY				
Dist.	Unit	Proposed Pipeline Route	Non-Forest	Forest
Keonjhar	Length (Km)	18.178	2.621	15.557
	Area (Ha.)	22.019	9.291	12.728

FOREST TYPE BREAKUP			
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

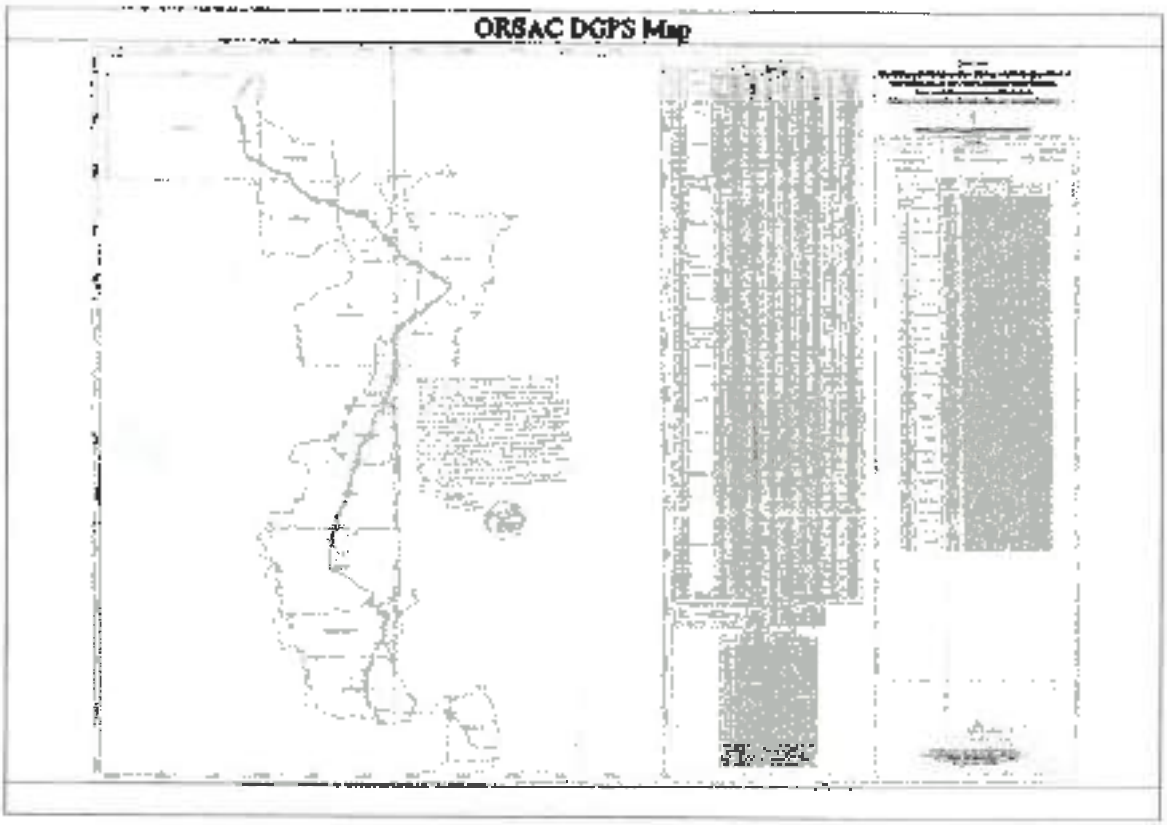
[illegible]					
S.No	Description	Road	Rivers	Rivers / Canal	Power line
1	Crossings	3	5	6	30

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Village wise break up of Forest & Non-Forest Land

Sl. No.	District	Village	Tehsil	Non-Forest Land	Forest Land (Incl. R.F)	Total Land
				Area in Ha.	Area in Ha.	Area in Ha.
1	Keonjhar	Purunakhi	Barbil	0.761	0.000	0.761
2	Keonjhar	Nuliago	Jhumpura	1.719	3.319	5.038
3	Keonjhar	Nayagada	Jhumpura	0.398	0.914	1.311
4	Keonjhar	Patnakoira	Jhumpura	0.418	1.304	1.722
5	Keonjhar	Dhanurjaypur	Jhumpura	0.261	1.956	2.217
6	Keonjhar	Lunapada	Jhumpura	0.451	2.031	2.482
7	Keonjhar	Kasia	Jhumpura	0.286	1.456	1.742

Sl. No.	District	Village	Tehsil	Non-Forest Land	Forest Land (Incl. R.F)	Total Land
				Area in Ha.	Area in Ha.	Area in Ha.
8	Keonjhar	Bahalda Anapur	Jhumpura	1.729	1.563	3.292
9	Keonjhar	Phuljhar	Banspal	1.373	0.111	1.484
10	Keonjhar	Sankari	Banspal	4.430	0.009	0.439
Total				9.398	15.736	25.134



Tree Translocation Overview:

Objective of Tree Translocation:

The primary objective of the Tree Translocation initiative within the Daburu – Sankari Pipeline Project is to harmonize industrial progress with ecological conservation. It seeks to mitigate the impact of infrastructure development on the local flora, particularly focusing on preserving mature trees and contributing to the overall biodiversity of the region. The goal is not just to relocate trees but to ensure their successful adaptation and continued contribution to the ecosystem.

Contractor:

Geoid Resources Pvt. Ltd., the appointed contractor for the tree translocation survey, brings a wealth of experience in environmental management and feasibility studies. Their role encompasses the meticulous execution of the translocation plan, adhering to best practices and employing advanced techniques for tree preservation and relocation.

Feasibility Report:

The feasibility report for tree translocation within the ambit of the Dabuna – Sankari Pipeline Project is an essential document prepared by Geoid Resources Pvt. Ltd. This report critically evaluates the practicality and viability of relocating trees affected by the pipeline development, ensuring a harmonious blend of industrial progress and ecological preservation.

Objectives:

The primary objectives of this feasibility study are to:

- Assess the viability of tree translocation within the project area.
- Evaluate the potential environmental impact of the translocation process.
- Determine the health and adaptability of identified trees for successful relocation.
- Identify suitable translocation sites in alignment with the local ecosystem.
- Develop a comprehensive logistical plan for the extraction, transportation, and replanting of trees.
- Mitigate potential risks associated with the translocation endeavor.
- Evaluate the social impact on local communities.
- Conduct a cost-benefit analysis to assess the economic and environmental implications.

Scope of Tree Translocation:

Health Assessment:

A detailed health assessment of each identified tree was carried out. This involves evaluating factors such as overall health, disease resistance, and structural integrity to determine the trees' viability for successful translocation.

The overall health of each identified tree is comprehensively evaluated. This includes a thorough examination of:

- Foliage Condition: Assessing the color, density, and overall vitality of the tree's foliage.
- Bark Health: Examining the bark for signs of diseases, lesions, or abnormalities.
- Branch Structure: Analyzing the branching pattern and structural integrity.

- Trunk Stability: Evaluating the stability and strength of the trunk.
- Branch Attachment: Ensuring secure attachment of branches to the trunk.
- Root System Health: Examining the health and spread of the root system.

Suitability Analysis for Translocation:

A comprehensive suitability analysis was conducted by Geoid Resources Pvt. Ltd. to assess the feasibility and appropriateness of translocating trees within the Dabuna – Sankari Pipeline Project. This analysis involved a multidimensional evaluation, considering ecological compatibility, health status, and environmental impact to ensure the success of the tree translocation initiative.

Identification and Enumeration:

Geoid Resources will conduct a comprehensive survey to identify and enumerate trees within the project corridor. The survey will include data on species diversity, tree sizes, and health conditions, forming the foundation for the translocation strategy.

Tree Translocation survey, conducted a thorough survey within the project corridor. The survey aimed to identify and enumerate trees, providing essential data for the translocation strategy. Below is a partial list of enumerated trees along with accompanying photographs.

Champua Range

Terrain Challenges for Tree Translocation:

The topography of the identified areas in Champua Range reveals predominantly steep relief, presenting formidable challenges for accessing these locations with cranes and trailers during the tree translocation process.

Summary of Suitable Trees for Translocation:

Considering the challenging terrain and other factors, a thorough assessment has been conducted, identifying 134 trees within Champua Range deemed suitable for translocation. These selected trees are proposed for relocation to mitigate the impact of the Dabuna – Sankari Pipeline Project on the local forest ecosystem.

Enclosed Annexures:

Annexure-I: Geo-tagged Photographs of Selected Trees

Attached herewith is a detailed sheet containing geo-tagged photographs of the identified trees proposed for translocation. Each photograph is uniquely labeled to correspond with the specific tree's details.

Trees below 30cm girth to be translocated


T-1


T-5


T-6


T-7


T-8


T-13


T-14


T-15


T-17


T-22


T-23


T-24

Trees below 30cm girth to be translocated

T-28

T-29

T-30

T-32

T-33

T-34

T-35

T-36

T-37

T-38

T-39

T-40

Trees below 30cm girth to be translocated

T-41

T-42

T-43

T-45


T-46


T-47

T-49

T-50

T-51


T-53

T-54

T-56

Trees below 30cm girth to be translocated

T-57

T-58

T-65

T-67

T-68

T-69

T-72

T-73

T-74

T-75

T-76

T-77

Trees below 30cm girth to be translocated


T-78


T-79


T-80


T-81


T-83


T-91


T-92


T-94


T-97


T-98


T-100


T-101

Trees below 90cm girth to be translocated


T-102


T-103


T-104


T-105


T-106


T-107


T-109


T-110


T-114


T-116


T-117


T-118

Trees below 30cm girth to be translocated


T-119


T-120


T-121


T-122


T-123


T-124


T-125


T-126


T-127


T-128


T-129


T-130

Trees below 30cm girth to be translocated


T-131


T-132


T-133


T-134

Trees above 30cm and below 60cm girth to be translocated


T-2(103)


T-3(106)


T-11(130)


T-16(161)


T-25(257)


T-26(268


T-31(746)


T-48(759)


T-52(760)


T-55(769)


T-60(817)


T-61(819)

Trees above 30cm and below 60cm girth to be translocated

T-62(820)

T-64(825)

T-70(870)

T-71(850)

T-84(950)

T-85(949)

T-86(951)

T-90(997)

T-108(1104)

T-111(1105)

T-112(1106)

T-113(1107)

Trees above 90cm and below 90cm girth to be translocated

T-115(1108)

Trees above 60cm and below 90cm girth to be translocated

T-4(114)

T-9(125)

T-10(129)

T-12(132)

T-18(182)

T-19(177)

T-20(231)

T-21(237)

T-27(266)

T-44(757)

T-59(802)

T-63(829)

T-66(839)

Trees above 60cm and below 90cm girth to be translocated

Annexure-II: Species-wise Details of Trees (Girth Size: 30cm to above 90cm)

Provided herewith is a comprehensive document detailing the species-wise information of trees earmarked for translocation. These trees fall within the girth size range of 30cm to above 90cm, highlighting their significance in the preservation and biodiversity of the region.

Tree enumeration list of trees to be translocate

Sl. No.	Tree no	Name of the Species	Height in mtr	Girth in cm	Nature	Botanical Name	0-29 cm	30-59 cm	60-89 cm	Plot No	Village name
							S	S	S		
1	1	Karuna	2	16	S	Acacia polyacantha	1	-	-	RF	Naibaga RF

Sl. No.	Tree no	Name of the Species	Height in mtr	Girth in cm	Nature	Botanical Name	0-29 cm	30-39 cm	40-55 cm	Plot No	Village name
							S	S	S		
2	109	Sal	2	35	S	Shorea robusta	-	1	-	RF	Naibaga RF
3	106	Sal	3	30	S	Shorea robusta	-	1	-	RF	Naibaga RF
4	114	Jia	3	75	S		-	-	1	RF	Naibaga RF
5	5	Sal	3	21	S	Shorea robusta	1	-	-	RF	Naibaga RF
6	6	Sal	3	29	S	Shorea robusta	1	-	-	RF	Naibaga RF
7	7	Sal	2	20	S	Shorea robusta	1	-	-	RF	Naibaga RF
8	8	Sal	3	23	S	Shorea robusta	1	-	-	RF	Naibaga RF
9	125	Sal	4	80	S	Shorea robusta	-	-	1	RF	Naibaga RF
10	129	Sal	4	80	S	Shorea robusta	-	-	1	RF	Naibaga RF
11	130	Kusum	3	40	S	Schleichera oleosa	-	1	-	RF	Naibaga RF
12	132	Asan	4	60	S	Terminalia tomentosa	-	-	1	RF	Naibaga RF
13	13	Sal	2	21	S	Shorea robusta	1	-	-	RF	Naibaga RF
14	14	Sal	2	18	S	Shorea robusta	1	-	-	RF	Naibaga RF
15	15	Sal	2	18	S	Shorea robusta	1	-	-	RF	Naibaga RF
16	181	Sal	3	50	S	Shorea robusta	-	1	-	RF	Naibaga RF
17	17	Sal	3	28	S	Shorea robusta	1	-	-	RF	Naibaga RF
18	182	Sal	5	70	S	Shorea robusta	-	-	1	RF	Naibaga RF
19	177	Sal	2	70	S	Shorea robusta	-	-	1	RF	Naibaga RF
20	230	Asan	5	70	S	Terminalia tomentosa	-	-	1	RF	Naibaga RF
21	237	Mahul	3	80	S	Madhuka indica	-	-	1	RF	Naibaga RF
22	22	Jamun	3	23	S	Syzygium cumini	1	-	-	RF	Naibaga RF
23	23	Sal	4	29	S	Shorea robusta	1	-	-	RF	Naibaga RF
24	24	Kendu	2	26	S	Diospyros melanoxylon	1	-	-	RF	Naibaga RF
25	257	Chara	3	35	S	Buchanania lanzan	-	1	-	RF	Naibaga RF
26	268	Sal	2	48	S	Shorea robusta	-	1	-	RF	Naibaga RF
27	266	Sal	5	60	S	Shorea robusta	-	-	1	RF	Naibaga RF
28	28	Sal	5	29	S	Shorea robusta	1	-	-	1104	Dhanurjaypur
29	29	Sal	2	21	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
30	30	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
31	746	Sal	1	40	S	Shorea robusta	-	1	-	1110	Dhanurjaypur
32	32	Sal	2.5	19	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
33	33	Sal	2	15	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
34	34	Sal	3	23	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
35	35	Sal	2	19	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
36	36	Sal	2	17	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
37	37	Sal	2	19	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
38	38	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
39	39	Sal	3	26	S	Shorea robusta	1	-	-	1110	Dhanurjaypur

Sl. No.	Tree no	Name of the Species	Height in mtr	Girth in cm	Nature	Botanical Name	0-29 cm	30-59 cm	60-89 cm	Plot No	Village name
							0	0	0		
40	40	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
41	41	Sal	3	28	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
42	42	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
43	43	Sal	3	28	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
44	737	Sal	8	82	S	Shorea robusta	-	-	1	1110	Dhanurjaypur
45	45	Sal	3	28	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
46	46	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
47	47	Sal	2	26	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
48	759	Sal	3	46	S	Shorea robusta	-	1	-	1110	Dhanurjaypur
49	49	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
50	50	Sal	2	28	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
51	51	Sal	2	16	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
52	760	Sal	2	38	S	Shorea robusta	-	1	-	1110	Dhanurjaypur
53	53	Sal	2	18	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
54	54	Sal	3	28	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
55	769	Sal	2	40	S	Shorea robusta	-	1	-	1110	Dhanurjaypur
56	56	Sal	3	29	S	Shorea robusta	1	-	-	1110	Dhanurjaypur
57	57	Misc	2	20	S		1	-	-	1110	Dhanurjaypur
58	58	Mahul	2	23	S	Madhuka indica	1	-	-	1110	Dhanurjaypur
59	802	Mahul	5	80	S	Madhuka indica	-	-	1	1110	Dhanurjaypur
60	817	Sal	5	48	S	Shorea robusta	-	1	-	1105	Dhanurjaypur
61	819	Sal	5	48	S	Shorea robusta	-	1	-	1105	Dhanurjaypur
62	820	Sal	5	42	S	Shorea robusta	-	1	-	1105	Dhanurjaypur
63	829	Mahul	4	70	S	Madhuka indica	-	-	1	1105	Dhanurjaypur
64	825	Sal	3	35	S	Shorea robusta	-	1	-	1105	Dhanurjaypur
65	65	Mahul	3	29	S	Madhuka indica	1	-	-	1105	Dhanurjaypur
66	839	Sal	5	80	S	Shorea robusta	-	-	1	1105	Dhanurjaypur
67	67	Sal	3	29	S	Shorea robusta	1	-	-	1105	Dhanurjaypur
68	68	Sal	3	25	S	Shorea robusta	1	-	-	1105	Dhanurjaypur
69	69	Kusum	2	29	S	Schleichera oleosa	1	-	-	1105	Dhanurjaypur
70	870	Jamun	3	40	S	Syzygium cumini	-	1	-	824/953	Patsukudar
71	850	Sal	3	40	S	Shorea robusta	-	1	-	824/953	Patsukudar
72	72	Sal	2	29	S	Shorea robusta	1	-	-	824/953	Patsukudar
73	73	Sal	2	29	S	Shorea robusta	1	-	-	824/953	Patsukudar
74	74	Sal	3	29	S	Shorea robusta	1	-	-	824/953	Patsukudar
75	75	Kusum	2	24	S	Schleichera oleosa	1	-	-	824/953	Patsukudar
76	76	Jamun	3	23	S	Syzygium cumini	1	-	-	824/953	Patsukudar
77	77	Jamun	2	22	S	Syzygium cumini	1	-	-	824/953	Patsukudar
78	78	Jamun	1.5	14	S	Syzygium cumini	1	-	-	824/953	Patsukudar

AM/NS INDIA

GEOID Resources

Sl. No.	Tree no	Name of the Species	Height in metr	Girth in cm	Nat ure	Botanical Name	0-29 cm	30-59 cm	60-89 cm	Plot No	Village name
							S	S	S		
79	79	Jamun	1.5	14	S	Syzygium cumini	1	-	-	324/953	Patmahudar
80	80	Sal	1.5	14	S	Shorea robusta	1	-	-	324/953	Patmahudar
81	81	Sal	2.5	26	S	Shorea robusta	1	-	-	324/953	Patmahudar
82	930	Mahul	3	60	S	Madhuka indica	-	-	1	1124	Dhanurjaypur
83	83	Mahul	2	29	S	Madhuka indica	1	-	-	1124	Dhanurjaypur
84	950	Mahul	3	35	S	Madhuca indica	-	1	-	1128	Dhanurjaypur
85	949	Mahul	3	40	S	Madhuca indica	-	1	-	1128	Dhanurjaypur
86	951	Mahul	3	40	S	Madhuca indica	-	1	-	1128	Dhanurjaypur
87	957	Mahul	3	60	S	Madhuca indica	-	-	1	1128	Dhanurjaypur
88	967	Mahul	5	65	S	Madhuca indica	-	-	1	5	Lunagadia
89	971	Mahul	3	60	S	Madhuca indica	-	-	1	5	Lunagadia
90	997	Mahul	3	40	S	Madhuca indica	-	1	-	5	Lunagadia
91	91	Sal	2	19	S	Shorea robusta	1	-	-	5	Lunagadia
92	92	Sal	2	16	S	Shorea robusta	1	-	-	5	Lunagadia
93	1003	Sal	3	70	S	Shorea robusta	-	-	1	5	Lunagadia
94	94	Jamun	2	20	S	Syzygium cumini	1	-	-	5	Lunagadia
95	1024	Arjun	3	60	S	Terminalia tomentosa	-	-	1	5	Lunagadia
96	1026	Sal	8	70	S	Shorea robusta	-	-	1	5	Lunagadia
97	97	Sal	2	20	S	Shorea robusta	1	-	-	5	Lunagadia
98	98	Sal	2	23	S	Shorea robusta	1	-	-	5	Lunagadia
99	1030	Mahul	3	80	S	Madhuca indica	-	-	1	5	Lunagadia
100	100	Sal	2	15	S	Shorea robusta	1	-	-	5	Lunagadia
101	101	Sal	2	21	S	Shorea robusta	1	-	-	5	Lunagadia
102	102	Sal	3	24	S	Shorea robusta	1	-	-	5	Lunagadia
103	103	Sal	2	29	S	Shorea robusta	1	-	-	5	Lunagadia
104	104	Sal	2.5	29	S	Shorea robusta	1	-	-	5	Lunagadia
105	105	Sal	2	16	S	Shorea robusta	1	-	-	5	Lunagadia
106	106	Mahul	2	21	S	Madhuca indica	1	-	-	5	Lunagadia
107	107	Sal	2.5	22	S	Shorea robusta	1	-	-	5	Lunagadia
108	1104	Sal	5	50	S	Shorea robusta	-	1	-	88	Kasia
109	109	Sal	2	26	S	Shorea robusta	1	-	-	88	Kasia
110	110	Sal	2	23	S	Shorea robusta	1	-	-	88	Kasia
111	1105	Sal	3	40	S	Shorea robusta	-	1	-	88	Kasia
112	1106	Sal	4	40	S	Shorea robusta	-	1	-	88	Kasia
113	1107	Sal	4	40	S	Shorea robusta	-	1	-	88	Kasia
114	114	Sal	4	29	S	Shorea robusta	1	-	-	88	Kasia
115	1108	Sal	3	38	S	Shorea robusta	-	1	-	88	Kasia
116	116	Sal	2	19	S	Shorea robusta	1	-	-	88	Kasia
117	117	Sal	3	28	S	Shorea robusta	1	-	-	88	Kasia

Sl. No.	Tree no	Name of the Species	Height in mtr	Girth in cm	Nature	Botanical Name	0-29 cm	30-59 cm	60-89 cm	Plot No	Village name
							S	S	S		
118	118	Bahada	2	18	S	Terminalia belerica	1	-	-	76	Kasia
119	119	Sal	2	23	S	Shorea robusta	1	-	-	76	Kasia
120	120	Misc	1.5	29	S		1	-	-	76	Kasia
121	121	Sal	3	29	S	Shorea robusta	1	-	-	76	Kasia
122	122	Sal	2	20	S	Shorea robusta	1	-	-	76	Kasia
123	123	Sal	2	20	S	Shorea robusta	1	-	-	76	Kasia
124	124	Sal	2	24	S	Shorea robusta	1	-	-	76	Kasia
125	125	Sal	4	25	S	Shorea robusta	1	-	-	76	Kasia
126	126	Sal	4	29	S	Shorea robusta	1	-	-	76	Kasia
127	127	Sal	3	29	S	Shorea robusta	1	-	-	76	Kasia
128	128	Sal	2	25	S	Shorea robusta	1	-	-	76	Kasia
129	129	Sal	2	23	S	Shorea robusta	1	-	-	76	Kasia
130	130	Sal	4	29	S	Shorea robusta	1	-	-	76	Kasia
131	131	Sal	3	28	S	Shorea robusta	1	-	-	76	Kasia
132	132	Kusum	2	25	S	Schleichera oleosa	1	-	-	76	Kasia
133	133	Kusum	3	29	S	Schleichera oleosa	1	-	-	76	Kasia
134	134	Sal	4	24	S	Shorea robusta	1	-	-	76	Kasia
		TOTAL					88	25	21	134	

Abstract

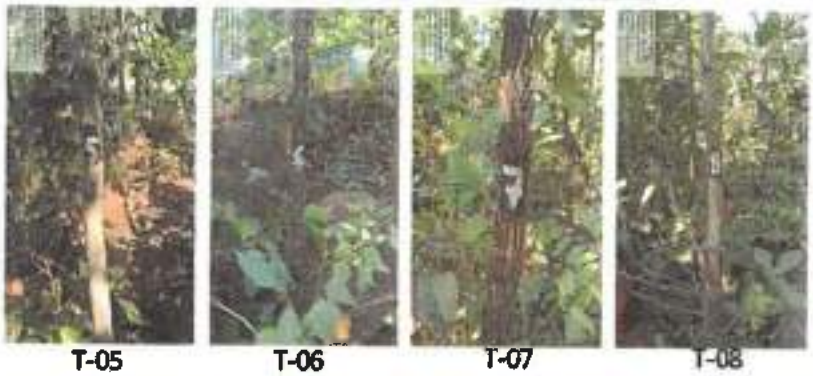
Sl. No.	Name of the Species	Botanical Name	0-29cm	30-59cm	60-89cm	Total	Remarks
			S	S	S	S	
1	Sal	Shorea robusta	69	18	9	96	
2	Mahul	Madhuka indica	4	4	8	16	
3	Jamun	Syzygium cumini	6	1	0	7	
4	Kendu	Diospyros melanoxylon	1	0	0	1	
5	Asan	Terminalia tomentosa	0	0	3	3	
6	Kusum	Schleichera oleosa	4	1	0	5	
7	Bahada	Terminalia belerica	1	0	1	2	
8	Chara	Buchanania lanzan	0	1	0	1	
9	Karanja	Acacia polyacantha	1	0	0	1	
10	Jia		0	0	1	1	
11	Misc		2	0	0	2	
TOTAL			88	25	21	134	

BJP Range

Annexure-III: Geo-tagged Photographs of Selected Trees

Attached herewith is a detailed sheet containing geo-tagged photographs of the identified trees proposed for translocation. Each photograph is uniquely labeled to correspond with the specific tree's details.

Trees below 30cm girth to be translocated



T-05 T-06 T-07 T-08

T-09 T-14 T-17 T-18

T-19 T-20 T-21 T-22

Trees below 30cm girth to be translocated


T-33


T-24


T-25


T-26


T-28


T-29


T-32


T-33


T-27


T-30


T-31

Trees above 60cm and below 90cm girth to be translocated

T-01


T-02

T-03

T-04


T-10

T-11

T-12

T-13

T-15

T-16

Annexure -IV: The List of Enumerated Trees to be translocated in the Tailing Pipe Line from Beneficiation Plant at Dubuna to the Tailing Dam at Sankhari village Under BJP Range of M/s ArcelorMittal Nippon Steel India Limited

Sl. No.	Tree No.	Name of the Species	Height in mtr	Girth in cm	Nature	Botanical Name	0-30 cm	30-89 cm	90-99 cm	Plot No	Village Name	Remarks
							S	S	S			
1	1512	Asan	2	60	S	Terminalia bonerotora	-	-	1	1733	Phuljhar	Non-forest
2	1514	Asan	3	60	S	Terminalia tomentosa	-	-	1	1733	Phuljhar	Non-forest
3	1515	Asan	3	70	S	Terminalia tomentosa	-	-	1	1733	Phuljhar	Non-forest
4	1527	Asan	5	80	S	Terminalia tomentosa	-	-	1	1733	Phuljhar	Non-forest
5	5	Mahul	1.5	16	S	Madhuka indica	1	-	-	1725	Phuljhar	Non-forest
6	6	Kendu	1.5	14	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest
7	7	Kendu	1.5	17	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest
8	8	Misc	1.5	13	S		1	-	-	1725	Phuljhar	Non-forest
9	9	Kendu	1.5	14	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest
10	1623	Sal	8	80	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
11	1587	Sal	8	80	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
12	1588	Sal	5	70	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
13	1590	Sal	4	60	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
14	14	Kendu	2	21	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest
15	1624	Sal	5	70	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
16	1621	Sal	5	80	S	Shorea robusta	-	-	1	1725	Phuljhar	Non-forest
17	17	Misc	1.5	14	S		1	-	-	1725	Phuljhar	Non-forest
18	18	Sal	2	18	S	Shorea robusta	1	-	-	1725	Phuljhar	Non-forest
19	19	Kendu	2.5	27	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest
20	20	Sal	1.5	17	S	Shorea robusta	1	-	-	1725	Phuljhar	Non-forest
21	21	Sal	2	17	S	Shorea robusta	1	-	-	1725	Phuljhar	Non-forest
22	22	Kendu	1.5	18	S	Diospyros melanoxylon	1	-	-	1725	Phuljhar	Non-forest

Sl. No.	Tree No.	Name of the Species	Height in mtr	Girth in cm	Nature	Botanical Name	0-30 cm	30-59 cm	60-89 cm	Plot No	Village Name	Remarks
							S	S	S			
23	23	Misc	2	23	S		1	-	-	1725	Phuljhar	Non-forest
24	24	Kendu	2	19	S	Diospyros melanoxylon	1	-	-	1724	Phuljhar	Non-forest
25	25	Kendu	2	20	S	Diospyros melanoxylon	1	-	-	1724	Phuljhar	Non-forest
26	26	Kendu	2	20	S	Diospyros melanoxylon	1	-	-	1724	Phuljhar	Non-forest
27	27	Sal	2	29	S	Shorea robusta	1	-	-	1724	Phuljhar	Non-forest
28	28	Sal	2	17	S	Shorea robusta	1	-	-	1724	Phuljhar	Non-forest
29	29	Sal	2	19	S	Shorea robusta	1	-	-	1724	Phuljhar	Non-forest
30	30	Sal	2.5	29	S	Shorea robusta	1	-	-	1724	Phuljhar	Non-forest
31	31	Sal	2.5	29	S	Shorea robusta	1	-	-	1724	Phuljhar	Non-forest
32	32	Kendu	2	24	S	Diospyros melanoxylon	1	-	-	1724	Phuljhar	Non-forest
33	33	Kendu	2	21	S	Diospyros melanoxylon	1	-	-	1724	Phuljhar	Non-forest
		TOTAL					*23*	*0*	*10*	33		

Abstract

Sl. No.	Name of the Species	Botanical Name	0-29cm	30-59cm	60-89cm	Total	Remarks
			S	S	S	S	
1	Sal	Shorea robusta	8	0	6	*14*	
2	Mahul	Madhuka indica	1	0	0	*1*	
3	Kendu	Diospyros melanoxylon	11	0	0	*11*	
4	Asan	Terminalia tomentosa	0	0	4	*4*	
5	Misc		3	0	0	*3*	
		TOTAL	*23*	*0*	*10*	*33*	

DGPS Location Tagging for Trees:

DGPS (Differential Global Positioning System) location tagging is a critical component of the tree translocation initiative within the Dahuna – Sankari Pipeline Project. The precise tagging of tree locations using DGPS technology ensures accurate mapping, facilitating efficient monitoring and successful execution of the translocation plan.

The DGPS location survey conducted by Geoid Resources Pvt. Ltd., coupled with the preparation of a detailed map, serves as a robust foundation for ongoing monitoring efforts. This comprehensive approach ensures that the project team has the necessary tools and information to make informed decisions regarding the health, status, and successful translocation of trees within the project corridor.

Geoid Resources Pvt. Ltd. has prepared a comprehensive Translocation Location Map that illustrates the DGPS-tagged locations of translocated trees within the project corridor. This map serves as a visual guide for monitoring and management purposes. Below is a description of the key features and areas covered by the map:

Champua Range

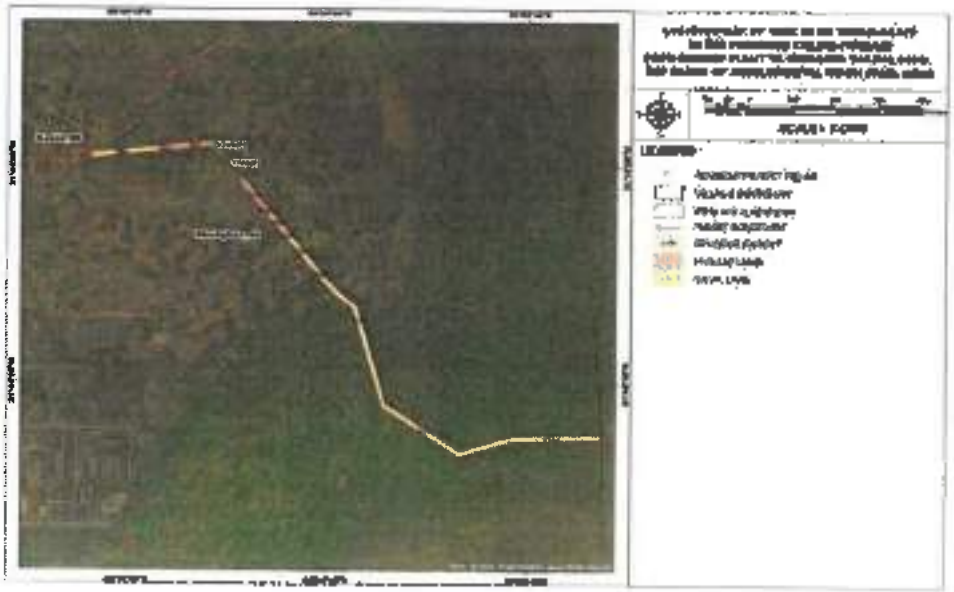
Annexure-V: Map of Proposed Tree Locations

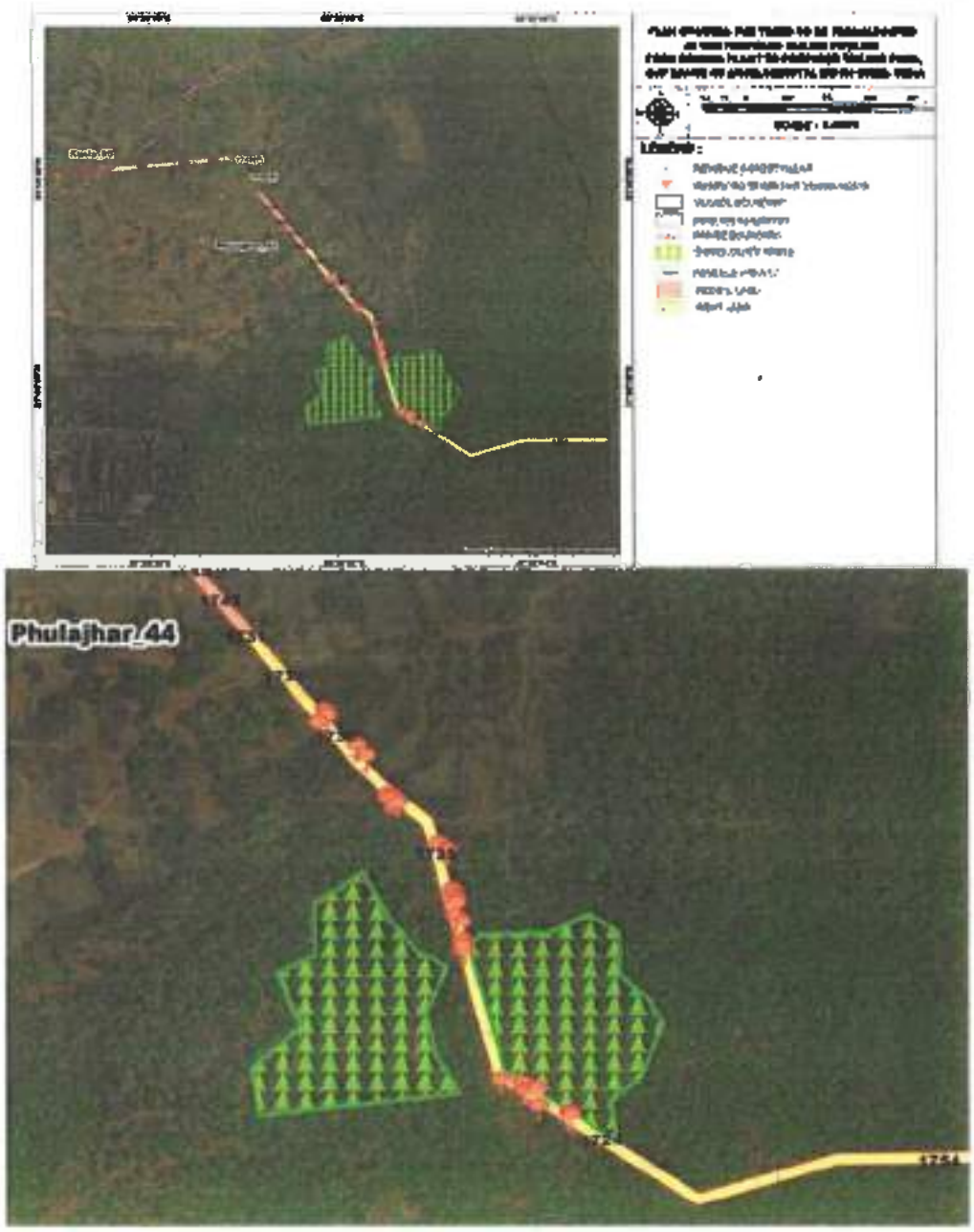
Enclosed is a map illustrating the precise locations of the proposed trees within Champua Range. This map serves as a visual guide to understand the geographical distribution of the trees in relation to the challenging terrain.

BJP Range

Annexure-VI: **Map of Proposed Tree Locations**

Enclosed is a map illustrating the precise locations of the proposed trees within BJP Range. This map serves as a visual guide to understand the geographical distribution of the trees in relation to the challenging terrain.





Translocation Site Identification:

The translocation site identification process is guided by a holistic approach that prioritizes ecological compatibility, health considerations, stakeholder engagement, and long-term

sustainability. The strategic selection of these sites is fundamental to fostering the successful adaptation of translocated trees within the dynamic landscape of the Dabuna – Sankari Pipeline Project.

Mitigation Measures:

AMNS will implement mitigation measures to minimize any stress or shock the translocated trees might experience. This involves employing specialized techniques for tree extraction, root ball preservation, and post-translocation care.

Monitoring and Post-Translocation Care:

The contractor will implement a robust monitoring system to track the progress of translocated trees. Additionally, a post-translocation care plan will be established to ensure the ongoing health and acclimatization of the transplanted trees, including watering, fertilization, and protection measures.

Integration with Environmental Impact Mitigation:

The tree translocation plan is intricately integrated with the broader Environmental Impact Mitigation strategy of the project. By preserving and relocating trees, the initiative contributes to maintaining the overall biodiversity of the region, mitigating the impact of construction activities, and promoting sustainable development practices.

In essence, the tree translocation component of the Dabuna-Sankari Pipeline Project exemplifies a meticulous and environmentally conscious approach to infrastructure development, ensuring that the region's rich ecological tapestry remains intact and flourishes even amidst progressive industrial initiatives.

Conclusion:

The Dabuna-Sankari Pipeline Project, a venture spearheaded by M/s ArcelorMittal Nippon Steel India Limited, stands as a beacon of sustainable development, harmonizing industrial progress with environmental responsibility. The comprehensive, spanning 18.178 km, represents a significant stride in resource transportation infrastructure, strategically connecting the Beneficiation Plant at Dabuna to the proposed Tailing Dam at Sankari in the district of Keonjhar, Odisha.

The integration of a Tree Translocation initiative, executed by Geoid Resources Pvt. Ltd., underscores a profound commitment to the preservation of the local forest ecosystem within Champua & BJP Ranges in Keonjhar Forest Division. This executive summary encapsulates the project's holistic approach, highlighting not only its infrastructural prowess but also its dedication to the delicate balance between progress and preservation.

The report meticulously details land usage intricacies, encompassing 12.728 Ha. of forest land and 9.292 Ha. of non-forest land, with careful categorization into Revenue Forest, DLC Forest, and Non-Forest land recorded as forest. The pipeline route, strategically planned in Topo Sheets F45N5

& F45N6, emphasizes environmental consciousness by maintaining a minimum depth of 1 meter beneath the ground surface.

The involvement of Geoid Resources Pvt. Ltd. as the contractor ensures that the Tree Translocation initiative is executed with precision. The enumeration list, DGPS locations, tree specifics, and Translocation Location Map demonstrate meticulous planning to minimize environmental disturbance.

In conclusion, the Dabuna–Sankari Pipeline Project serves as a testament to the harmonious coexistence of industrial progress and ecological preservation. The successful implementation of the Tree Translocation initiative sets a standard for environmentally conscious development, securing approvals and support from relevant authorities, including the DFO Keonjhar, Odisha.

Beyond economic growth, this project endeavors to leave an enduring legacy of responsible resource management and environmental stewardship. By seamlessly integrating the tree translocation initiative with the broader Environmental Impact Mitigation strategy, the project exemplifies a meticulous and environmentally conscious approach to infrastructure development. It is a model for sustainable progress, ensuring that the region's rich ecological tapestry remains intact and flourishes even amidst progressive industrial initiatives.

Prepared by
Geoid Resources Pvt. Ltd.

Authorized Signatory
M/s ArcelorMittal Nippon Steel India Limited

Forest Range Office
BJP Forest Range

Forest Range Officer
B.J.P. Range, Anjar

ACF, I/C
Champua Forest Range

OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Phone No- 06766-254315, email ID- dfo.keonjhar@odisha.gov.in

No. 11095 /6F- Mining-10/2016
Dated, Keonjhar the 16th October, 2023

To

The Authorised Signatory,
M/s ArcelorMittal Nippon Steel India Ltd.

Sub: **Translocation of standing trees standing over 12.728 ha Forest land & over 9.291 Non- Forest land for Laying of Tailing, Water, Power & Communication Cables from Beneficiation Plant at Dubuna under Barbil Tahasil to proposed Tailing Pond site at Vill-Sankari under Banspal Tahasil of Keonjhar District (over 18.178 Km) by M/s ArcelorMittal Nippon Steel India Ltd (Formerly known as M/s Essar Steel India Ltd).**

Ref: This office memo 1976 dated 28.02.2023.
Your letter No. AMNS/TPL/2023/01-02 dated 11.01.2023.
Your letter No. AMNS/OBN-TPL/2023/10-01 dated 10.10.2023.

Sir,

This is to inform you that, in complying to the condition No. 2. A(vii) of Stage-I approval letter F. No. 5-ORC481/2021-BHu dated 28.12.2021 of IRO, MoEF&CC, Govt. of India, Bhubaneswar, you were requested vide this office memo under reference to identify suitable land for transplantation of the enumerated trees marked for felling from the above applied area in consultation with the Forest Range Officer, BJP forest Range. But till date no communication in this regard is received in this office.

However, the ACF, I/C Champua Forest Range & Forest Range Officer, BJP Range have submitted tree enumeration list to this office.

It is ascertained from the aforesaid enumeration list that the following numbers of tree having below 90cm girth are standing on the above diverted applied land.

Name of Range	Girth Class	No of Trees		
		Sound	Unsound	Total
Champua	Below 30CM	-	-	1118
	30-59 CM	306	120	426
	60-89 CM	337	95	432
	Total	643	215	1976
BJP	Below 30CM	-	-	178
	30-59 CM	100	21	121
	60-89 CM	116	36	152
	Total	216	57	481
	G. Total	859	272	2457

It is imperative to mention here that the Govt. of Odisha in Forest Environment & Climate Change Department vide their letter No. 16114 dated 01.08.2023 have issued the Standing operating Procedure (SOP) for translocation of trees in Odisha.

In this SOP, the Govt. has focused on translocation of trees for unearthing the trees and replanting them from their parent locations to new locations with objective of re-growing the trees at new locations.

As such, it is advised not to fell the aforesaid 2457 trees (below 90cm girth) rather translocate the same at the nearest vacant place.

In this backdrop, it is requested to make necessary proposal as per guideline cited above for translocation of aforesaid 2457 nos. trees having the girth of below 90cm at the nearest suitable vacant place and submit revised list through the Asst. Conservator of Forests, I/c Champua Forest Range and Forest Range Officer, BJP Forest Range.

Yours Faithfully,

16/10/23

Divisional Forest Officer,
Keonjhar Division.

15/10

Memo No. 11096 **/Dated** 16-10-2023

Copy forwarded to the Asst. Conservator of Forests, I/c Champua Forest Range and Forest Range Officer, BJP Forest Range for information and necessary action. They are requested to verify the trees which can be transplanted and authenticate the list of the same submitted by the user agency and transmit the same to this office for further action at this end. Further, they are requested to identify the suitable land for translocation of the above mentioned trees.

16/10/23

Divisional Forest Officer,
Keonjhar Division.

18/10

Memo No. 11097 **/Dated** 16-10-2023

Copy forwarded to the Regional Chief Conservator of Forests, Rourkela Circle / Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF & HoFF, Odisha, Bhubaneswar for favour of kind information and necessary action.

16/10/23

Divisional Forest Officer,
Keonjhar Division.

15/10

OFFICE OF THE RANGE OFFICER, CHAMPUA RANGE, CHAMPUA.
Email ID- forestrangerchpa@gmail.com.
Memo No. 2507 dt. 02-05-2023

To

The Divisional Forest Officer
Keonjhar Division, Keonjhar

Sub:- Tree Enumeration List over 12.616 ha Forest land and 7.389ha Non Forest along the minerals project for estimate of working cost and transplantation by M/s ArcelorMittal Nippon Steel India ltd

Ref:- Your memo No. 1575 dt 28/02/2023

Sir,

With reference to the above cited subject I like to inform that have enumerated the standing tree over 12.616 diverted forest land & 7.389ha Non Forest Land of M/s Arcelor Mittal Nippon Steel India ltd . I have verified that the enumeration list and submit the six (6) copies for favour of kind information and necessary action.

Yours faithfully,

Encl: As above

Asst. Conservator of Forests
IC Champua Range

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Dalburia under Barsabeel Forest Section of Champua Range to Tailing Dam at Bonkuri under BJP Range of M/s. Arcelor/Mittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar . (Forest & Non-Forest Area)

CHAMPUA RANGE (FOREST AREA 12.514 Ha. & NON-FOREST AREA 7.980 Ha.)

Sl. No	Species	30 cm to 59 cm		60 cm to 89 cm		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
1	Amala	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
2	Akrola	0	0	0	0	0	0	0	0	0	1	0	1	0	2	2
3	Arjuna	0	0	1	2	1	1	0	0	1	0	4	1	7	4	11
4	Asana	29	19	25	27	12	7	0	0	0	0	1	0	2	1	3
5	Bahada	10	2	4	2	1	0	0	0	1	0	1	0	17	4	21
6	Bela	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
7	Bhalia	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
8	Chara	1	4	2	0	4	0	0	0	0	0	0	0	2	0	2
9	Dhaura	12	4	4	1	1	0	0	0	0	0	0	0	7	4	11
10	Dhauri	1	3	0	0	0	0	0	0	0	0	0	0	17	5	22
11	Gambhari	0	0	2	0	0	0	0	0	0	0	0	0	2	3	5
12	Harida	1	0	0	0	0	0	0	0	0	0	0	0	2	0	2
13	Jamu	23	10	16	3	3	2	4	4	0	0	0	0	1	0	1
14	Jia	8	3	0	0	0	0	0	0	0	0	0	0	48	19	67
15	Kasaja	13	6	4	0	0	0	1	0	0	0	0	0	8	3	11
16	Kasi	0	0	1	0	2	1	0	1	0	0	0	0	24	8	32
17	Kendu	0	3	16	6	0	0	0	0	0	0	0	0	3	3	6
18	Khaiada	1	0	0	0	0	0	0	0	0	0	0	0	24	3	27
19	Kusharmachuda	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
20	Kusiari	0	0	0	2	3	0	3	0	0	0	1	0	1	0	1
21	Kusuma	1	0	0	0	0	0	0	0	0	0	0	0	7	2	9
22	Kutaichi	0	0	2	0	1	0	0	0	0	0	0	0	1	0	1
23	Kusuma	0	4	3	3	7	0	1	0	1	0	10	0	27	7	34
24	Mahaneema	0	0	1	0	1	0	0	0	0	0	0	0	2	0	2

Forest Section Officer
Barsabeel Section

Range Officer
Champua Forest Range

Asst. Conservator of Forest
Champua Forest Range

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Gutsaisa under Bamebari Forest Section of Champua Range to Tailing Dam at Sardiarf under BJP Range of M/s. ArcelorMittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar . (Forest & Non-Forest Area)

CHAMPUA RANGE (FOREST AREA 12.016 Ha. & NON-FOREST AREA 7.899 Ha.)

Sl. No	Species	30 cm to 59 cm		60 cm to 89 cm		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
28	Mahua	37	32	43	12	11	13	7	11	5	2	12	4	116	74	190
29	Mango	2	0	15	1	9	8	6	4	6	1	3	3	40	16	56
30	Misc	3	0	11	3	5	4	2	2	1	0	4	3	26	12	38
31	Neema	3	1	2	5	1	0	1	1	1	0	4	2	12	9	21
32	Palma	0	0	3	0	1	0	0	0	0	0	1	0	5	0	5
33	Panasa	2	0	0	0	2	0	1	0	2	0	6	2	13	2	15
34	Pasjamula	7	2	3	1	0	0	1	0	0	0	1	0	12	3	15
35	Rial(l)	1	0	2	0	0	0	0	0	0	0	0	0	3	0	3
36	Sal	130	24	162	39	66	42	68	24	28	14	44	13	516	143	659
37	Sidha	2	0	0	0	0	1	1	0	0	0	0	0	3	1	4
38	Simli	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
39	Sirisha	9	2	4	2	0	3	0	1	0	2	4	0	17	10	27
40	Sisso	1	0	0	0	0	0	0	0	0	0	2	0	3	0	3
41	Sunari	0	0	0	0	0	0	1	0	0	0	1	0	2	0	2
42	Teak	0	0	3	1	3	1	4	1	2	1	1	1	13	3	16
43	Tendu	2	0	0	1	0	0	1	0	0	0	0	0	2	1	3
44	Tentuli	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
TOTAL		346	128	357	98	184	81	148	55	49	25	107	39	1071	416	1487

No.of Trees		Below 30Cm
Forest		1070
Non-Forest		46
Total		1116

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Office
Bamebari Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Gubuwa under Sameberi Forest Section of Champua Range to Tailing Dam at Sankai under BJP Range of M/s. Arcelormittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar . (Forest & Non-Forest Area)

CHAMPUA RANGE (FOREST AREA 12.6161ha.)

Sl. No	Species	30 cm to 45 cm		46 cm to 60 cm		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
1	Amala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Asana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Ankola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Arjuna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Asana	25	12	17	22	10	6	4	5	1	3	0	4	57	52	109
6	Bahada	10	2	4	2	1	0	0	0	1	0	1	0	17	4	21
7	Bara	4	1	1	2	0	0	0	0	0	0	0	0	5	3	8
8	Bada	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
9	Bela	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2
10	Bhalia	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
11	Chara	1	4	2	0	4	0	0	0	0	0	0	0	7	4	11
12	Dhaia	12	4	4	1	1	0	0	0	0	0	0	0	17	5	22
13	Dhaiti	1	1	0	0	0	0	0	0	0	0	0	0	2	3	5
14	Gambhari	0	0	2	0	0	0	0	0	0	0	0	0	2	0	2
15	Harida	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
16	Jamu	23	10	16	3	3	2	4	4	0	0	0	0	46	19	65
17	Jia	6	3	0	0	0	0	0	0	0	0	0	0	6	3	11
18	Karanja	13	6	4	0	0	0	1	0	0	0	0	2	24	6	32
19	Kasi	0	0	1	0	2	1	0	1	0	0	0	0	3	2	5
20	Kasia	0	1	16	0	8	0	0	0	0	0	0	0	24	1	25
21	Khaiada	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
22	Khaikasichada	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
23	Kuliari	0	0	0	2	3	0	3	0	0	0	1	0	7	2	9
24	Kalama	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
25	Kuhudi	0	0	2	0	1	0	0	0	0	0	0	1	3	1	4
26	Kusuma	0	4	4	3	7	0	1	0	1	0	10	0	27	7	34
27	Mahaneema	0	0	1	0	1	0	0	0	0	0	0	0	2	0	2

Sameberi Section

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Dahuma under Sameibari Forest Section of Champua Range to Tailing Dam at Barbil under BJP Range of M/s. Arcelormittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar . (Forest & Non-Forest Area)

CHAMPUA RANGE (FOREST AREA 12.016 Ha.)

Sl. No	Species	30 cm to 59 cm		60 cm to 89 cm.		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
28	Mahula	37	32	25	8	0	0	5	10	5	2	2	1	74	53	127
29	Mango	2	0	0	0	3	4	2	2	0	0	0	2	7	8	15
30	Misc	3	0	8	3	5	3	1	2	0	0	3	3	20	11	31
31	Neem	0	0	0	0	0	0	1	0	1	0	0	2	1	2	3
32	Palas	0	0	3	0	1	0	0	0	0	0	1	0	5	0	5
33	Panas	2	0	0	0	2	0	1	0	2	0	0	2	13	2	15
34	Punjanchi	7	2	3	1	0	0	1	0	0	0	1	0	12	3	15
35	Rimli	1	0	2	0	0	0	0	0	0	0	0	0	3	0	3
36	Sal	117	24	142	29	82	29	57	21	23	10	24	7	445	111	556
37	Sidha	2	0	0	0	0	1	0	0	0	0	0	0	2	1	3
38	Simli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Sirisha	0	1	2	1	0	0	0	0	0	0	3	0	10	2	12
40	Sisoo	1	0	0	0	0	0	0	0	0	0	2	0	3	0	3
41	Semari	0	0	0	0	0	0	1	0	0	0	1	0	2	0	2
42	Teak	0	0	1	1	2	0	1	1	1	0	0	0	5	2	7
43	Tentula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Tentuli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		289	109	286	80	157	46	69	47	36	19	41	24	804	309	1173

No.of Trees		Below 30Cm
Forest		1070
Non-Forest		46
Total		1116

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Office
Sameibari Section

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Gutamia under Barabeti Forest Section of Champua Range to Tailing Dam at Sankari under BJP Range of M/s. Arcelormittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar . (Forest & Non-Forest Area)

CHAMPUA RANGE (NON-FOREST AREA 7.35ø Ha.)

Sl. No	Species	30 cm to 89 cm		90 cm to 89 cm		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
1	Asnia	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
2	Akasia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Asiain	0	0	1	2	1	1	0	0	0	1	0	1	0	2	2
4	Arjuna	0	0	0	1	1	0	0	0	1	0	4	1	7	4	11
5	Asana	4	7	6	5	2	2	2	1	1	1	0	1	16	17	33
6	Bara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bauhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Dhaura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Dhaua	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Dhauri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Garjiaari	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Harida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Jaun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Jio	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Kanaja	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Kasi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Kasia	0	2	0	0	0	0	0	0	0	0	0	1	0	1	1
20	Kaukada	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
21	Kinchanchanda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Kuliari	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Kulsaal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Kusuma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Mahanasana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Mahula	0	0	18	4	11	13	2	1	0	0	10	3	41	21	62
27	Mango	0	0	15	1	6	2	4	2	0	1	3	1	33	7	40

Asst. Conservator of F... Forest Range Barabeti Section

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Dubona under Baraberi Forest Section of Champua Range to Tailing Dam at Sankad under BJP Range of M/s. ArcelorMittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar . (Forest & Non-Forest Area)

CHAMPUA RANGE (NON-FOREST AREA 7.859 Ha.)

Sl. No	Species	30 cm to 89 cm		90 cm to 99 cm		100 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL		@ TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
28	Misc	0	0	3	0	0	1	1	0	1	0	1	0	6	1	7
29	Neem	3	1	2	5	1	0	1	1	0	0	4	0	11	7	18
30	Piasa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Pusjamia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Rinti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Sal	13	0	20	6	4	13	11	5	5	4	20	6	73	32	105
34	Sidha	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
35	Simli	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
36	Sirisha	4	1	2	1	0	3	0	1	0	2	1	0	7	8	15
37	Sisoo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Sonari	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Teak	0	0	2	0	1	1	3	0	1	1	1	1	8	3	11
40	Tentula	2	0	0	1	0	0	0	0	0	0	0	0	2	1	3
41	Tentuli	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
TOTAL		26	11	69	24	27	36	25	11	14	15	48	15	207	169	316

No.of Trees	Below 30Cm
Forest	1070
Non-Forest	48
Total	1118

Asst. Conservator of Forests
I/C, Champua Forest Range

Asst. Conservator of Forests
I/C, Champua Forest Range

Forest Range Office
Baraberi Section

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Dubarna under Bamebari Forest Section of Champua Range to Tailing Dam at Sankuri under BJP Range of M/s. Arastenbittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar. (Forest & Non-Forest Area)

CHAMPUA RANGE (FOREST AREA 12.916 Ha. & NON-FOREST AREA 7.580 Ha.)

Sl. No	Species	30 cm to 89 cm		90 cm to 89 cm		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
1	Amala	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
2	Asaka	0	0	0	0	0	0	0	0	0	1	0	1	0	2	2
3	Ashoka	0	0	1	2	1	1	0	0	1	0	4	1	7	4	11
4	Asjuna	0	0	0	1	1	0	0	0	0	0	1	0	2	1	3
5	Asuna	29	19	23	27	12	7	5	7	2	4	0	6	72	69	141
6	Bahada	10	2	4	2	1	0	0	0	1	0	1	0	17	4	21
7	Bans	4	1	1	2	0	0	0	0	0	0	0	0	5	3	8
8	Bauta	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
9	Bela	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2
10	Bhalia	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
11	Chara	1	4	2	0	0	0	0	0	0	0	0	0	7	4	11
12	Dhaba	12	4	4	1	1	0	0	0	0	0	0	0	17	5	22
13	Dhobi	1	3	0	0	0	0	1	0	0	0	0	0	2	3	5
14	Gambhari	0	0	2	0	0	0	0	0	0	0	0	0	2	0	2
15	Harida	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
16	Jamu	23	10	16	3	3	2	4	4	0	0	0	0	45	19	67
17	Jia	6	3	0	0	0	0	0	0	0	0	0	0	6	3	11
18	Kanaja	13	0	4	0	0	0	1	0	0	0	0	2	24	6	32
19	Kasi	0	0	1	0	2	1	0	1	0	0	0	1	3	3	6
20	Kendu	0	3	16	5	0	0	0	0	0	0	0	0	24	3	27
21	Kesuda	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
22	Khasiaraphuta	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
23	Kuliari	0	0	0	2	3	0	3	0	0	0	1	0	7	2	9
24	Kalasa	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
25	Kusuchi	0	0	2	0	1	0	0	0	0	0	0	1	3	1	4
26	Kusuma	0	4	6	3	7	0	1	0	1	0	10	0	27	7	34
27	Mahaneema	0	0	1	0	1	0	0	0	0	0	0	0	2	0	2

Asst. Conservator of Forests
Sub. Champua Forest Range

Forest Section Officer

Malata Nag

Conservator of Forests
Champua Forest Range
Keonjhar

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Dubuna under Baraberi Forest Section of Champua Range to Tailing Dam at Sankari under BJP Range of M/s. Arcelormittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar . (Forest & Non-Forest Area)

CHAMPUA RANGE (FOREST AREA 12.918 Ha. & NON-FOREST AREA 7.669 Ha.)

Sl. No	Species	30 cm to 60 cm		60 cm to 90 cm		90 cm to 120 cm		120 cm to 140 cm		140 cm to 170 cm		170 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
28	Mahuda	37	32	43	12	11	13	7	11	6	2	12	4	116	74	190
29	Mango	2	0	15	1	9	6	6	4	5	1	3	3	40	15	55
30	Misc	3	0	11	3	5	4	2	2	1	0	4	3	26	12	38
31	Moona	3	1	2	5	1	0	1	1	1	0	4	2	12	9	21
32	Palasa	0	0	3	0	1	0	0	0	0	0	1	0	5	0	5
33	Panasa	2	0	0	0	2	0	1	0	2	0	6	2	13	2	15
34	Pungamia	7	2	3	1	0	0	1	0	0	0	1	0	12	3	15
35	Rohini	1	0	2	0	0	0	0	0	0	0	0	0	3	0	3
36	Sal	139	24	102	26	60	42	66	24	28	14	44	13	516	143	661
37	Sidha	2	0	0	0	0	1	1	0	0	0	0	0	3	1	4
38	Simili	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
39	Sisoha	0	2	4	2	0	2	0	1	0	2	4	0	17	10	27
40	Sisoo	1	0	0	0	0	0	0	0	0	0	2	0	3	0	3
41	Sunari	0	0	0	0	0	0	1	0	0	0	1	0	2	0	2
42	Teak	0	0	3	1	3	1	4	1	2	1	1	1	13	5	18
43	Tentula	2	0	0	1	0	0	0	0	0	0	0	0	2	1	3
44	Tentuli	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
TOTAL		306	129	357	95	184	91	149	59	49	23	147	39	1971	418	1488

Dead Trees			Below 30Cm
Forest			1070
Non-Forest			48
Total			1118

Asst. Conservator of Forest
I/C. Champua Forest Range

Forest Section Officer
Baraberi Section

Asst. Conservator of Forest
I/C. Champua Forest Range

Forest Section Officer
Baraberi Section

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Debuna under Bamebari Forest Section of Champua Range to Tailing Dam at Sankari under BJP Range of M/s. Associated(Nippon Steel India Limited) in Dist. Keonjhar . (Forest & Non-Forest Area)

CHAMPUA RANGE (FOREST AREA 12.816 Ha.)

Sl. No	Species	30 cm to 59 cm		60 cm to 89 cm		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
1	Asnala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Akasia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Ankola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Arjuna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Asana	25	12	17	22	10	5	4	0	1	3	0	4	57	52	109
6	Bahada	10	2	4	2	1	0	0	0	1	0	1	0	17	4	21
7	Bau	4	1	1	2	0	0	0	0	0	0	0	0	5	3	8
8	Bauta	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
9	Bela	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2
10	Bhalia	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
11	Chara	1	4	2	0	4	0	0	0	0	0	0	0	7	4	11
12	Dhala	12	4	4	1	1	0	0	0	0	0	0	0	17	5	22
13	Dimiri	1	3	0	0	0	0	1	0	0	0	0	0	2	3	5
14	Gamhiari	0	0	2	0	0	0	0	0	0	0	0	0	2	0	2
15	Harida	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
16	Jamu	23	10	18	3	3	2	4	4	0	0	0	0	46	19	67
17	Jia	5	3	0	0	0	0	0	0	0	0	0	0	8	3	11
18	Kanaja	15	6	4	0	0	0	1	0	0	0	0	2	24	8	32
19	Kasi	0	0	1	0	2	1	0	1	0	0	0	0	3	2	5
20	Kendu	0	1	16	0	0	0	0	0	0	0	0	0	24	1	25
21	Kholoda	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
22	Kusabpanchanda	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
23	Kusiari	0	0	0	2	3	0	3	0	0	0	1	0	7	2	9
24	Kusuma	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
25	Kuthaji	0	0	2	0	1	0	0	0	0	0	0	1	3	1	4
26	Kusuma	0	4	6	3	7	0	1	0	1	0	10	0	27	7	34
27	Mahuasanna	0	0	1	0	1	0	0	0	0	0	0	0	2	0	2

Asst. Conservator of Forest

Forest Section Office
Bamebari Range

Dy. Conservator of Forest
I/C. Champua Forest Range

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Daburu under Barsahani Forest Section of Champua Range to Tailing Dam at Sankari under BJP Range of M/s. ArcelorMittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar . (Forest & Non-Forest Area)

CHAMPUA KANSHE (FOREST AREA 12.496 Ha.)

Sl. No	Species	30 cm to 59 cm		60 cm to 89 cm		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
28	Mahula	37	32	25	8	0	0	5	10	5	2	2	1	74	53	127
29	Mango	2	0	0	0	3	4	2	2	0	0	0	2	7	8	15
30	Misc	3	0	8	3	5	3	1	2	0	0	3	3	20	11	31
31	Neem	0	0	0	0	0	0	0	0	1	0	0	2	1	2	3
32	Palasa	0	0	3	0	1	0	0	0	0	0	1	0	5	0	5
33	Panasa	2	0	0	0	2	0	1	0	2	0	6	2	13	2	16
34	Pungamela	7	2	3	1	0	0	1	0	0	0	1	0	12	3	15
35	Rimli	1	0	2	0	0	0	0	0	0	0	0	0	3	0	6
36	Sal	117	24	142	20	62	29	57	21	23	10	24	7	445	111	556
37	Sidha	2	0	0	0	0	1	0	0	0	0	0	0	2	1	3
38	Simli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Sirisha	6	1	2	1	0	0	0	0	0	0	3	0	10	2	12
40	Sisoo	1	0	0	0	0	0	0	0	0	0	2	0	3	0	3
41	Sunari	0	0	0	0	0	0	1	0	0	0	1	0	2	0	2
42	Teak	0	0	1	1	2	0	1	1	1	0	0	0	5	2	7
43	Tentula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Tentuli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		289	169	286	82	157	46	69	47	35	18	41	24	954	369	1173

No.of Trees		Below 30Cm
Forest		1070
Non-Forest		48
Total		1118

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Office
Barsahani Section

Asst. Conservator of Forest

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Dubuma under Bamebari Forest Section of Champua Range to Tailing Dam at Sankari under BJP Range of M/s. ArcelorMittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar. (Forest & Non-Forest Area)

CHAMPUA RANGE (NON-FOREST AREA 7.689 Ha.)

Sl. No	Species	30 cm to 59 cm		60 cm to 89 cm		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
1	Amala	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
2	Akasia	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
3	Amlata	0	0	1	2	1	1	0	0	0	1	0	1	0	2	2
4	Asjana	0	0	0	1	1	0	0	0	1	0	4	1	7	4	11
5	Asana	4	7	5	5	2	2	2	1	1	1	0	1	15	17	32
6	Bara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bauda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bela	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Bhalia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Dhaia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Dhaiti	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Gambhari	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Harida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Jamu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Jia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Kasioja	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Kasi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Kendu	0	2	0	0	0	0	0	0	0	0	0	1	0	1	1
20	Khaiasia	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
21	Kusumsaheda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Kuliari	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Kusachil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Kusuma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Mahaneema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Mahula	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Mango	0	0	16	4	11	13	2	1	0	0	10	3	41	21	62
				15	1	6	2	4	2	6	1	3	1	33	7	40

Asst. Conservator of F
Forest Section Office
Round Range Bamebari Section
Asst. Conservator of Forests

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Dalkusa under Sambhari Forest Section of Champua Range to Tailing Dam at Sankuri under BJP Range of M/s. Arcelormittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar . (Forest & Non-Forest Area)

CHAMPUA RANGE (NON-FOREST AREA 7.899 Ha.)

Sl. No	Species	30 cm to 59 cm		60 cm to 89 cm		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
28	Misc	0	0	5	0	0	1	1	0	1	0	1	0	8	1	7
29	Neem	3	1	2	5	1	0	1	1	0	0	4	0	11	7	18
30	Pavam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Panjamala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Rimli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Sal	65	0	29	0	4	13	11	3	5	4	20	6	73	32	105
34	Sidha	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
35	Simli	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
36	Sirisha	4	1	2	1	0	3	0	1	0	2	1	0	7	8	15
37	Sisso	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Sunari	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Teak	0	0	2	0	1	1	0	0	0	0	1	1	3	3	11
40	Tentula	2	0	0	1	0	0	0	0	0	0	0	0	2	1	3
41	Tentuli	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
TOTAL		24	11	39	25	27	36	25	11	14	10	48	15	207	109	316

No.of Trees	Below 300m
Forest	1070
Non-Forest	46
Total	1116

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Officer
Ramchandi Sec...

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree enumeration for laying of Tailing,Water pipeline,Power & Communicatio Cables from Beneficiation plant at dalkoma under Ramchari forest Section of Champua Range to Tailing Dam at Sunbeal Under ELP Range of M/s ArcelorMittal Nippon Steel India Limited in Dist-Keonjhar

CHAMPUA RANGE , Village- Purnachiri , P.S-JODA

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Pillar Plot No	Remarks
1	Behada	150	1	D	N			234	
2	Mango	220	2	D	N			282	
3	Mango	200	2	N	N			282	
4	Pawpa	190	3	D	N			282	
5	Mango	210	3	N	N			282	
6	Pawpa	299	1	D	N			282	
7	Pawpa	100	3	N	N			282	
8	Mango	220	1	N	N			282	
9	Nim	80	2	N	N			826	
10	Mango	300	2	N	N			79	
								80	

Forest	0		Non Forest 1 to 10 = 10			Total Tree	
						10	
	Below 30cm	0	Below 30cm		5	Below 30 cm	3

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Office
Ramchari Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree enumeration for laying of Tailing,Water pipelines,Power & Communicatio Cables from Beneficiation plant at Gobura under Ramabari forest Section of Champua Range to Tailing Dam at Jaribeel Under RP Range of M/S.ArcelorMittal Nippon Steel India Limited in Dist-Keonjhar

CHAMPUA RANGE , Village- Madanga , P.S.JODA

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Forest Plot No	Remarks
11	Mango	170	1	N	N			76	
12	Bauta	70	2	D	N			79	
13	Pandan	200	2	N	N			79	
14	Ankola	90	3	D	N			78	
15	Pandan	180	2	N	N			78	
16	Ankola	70	1	D	N			77	
17	Kusheshuda	110	2	N	N			76	
18	Akasia	50	2	D	N			78	
19	Jilac	40	1	D	N			95	
20	Mango	95	1	D	N			135	
21	Akasia	40	2	D	N			135	
22	Teak	60	2	N	N			135	
23	Teak	45	2	N	F	183			
24	Teak	50	2	N	F	183			
25	Teak	60	1	N	F	183			
26	Teak	60	5	N	F	183			
27	Teak	80	3	N	F	184			
28	Sirisha	80	2	N	N			182	
29	Mango	200	2	N	N			182	
30	Sirisha	90	3	N	F	183			
31	Mango	190	1	N	F	183			
32	Sirisha	80	2	N	F	183			
33	Mango	170	3	N	F	120			
34	Mango	170	2	N	F	120			
35	Mango	180	3	N	F	120			
36	Mango	220	1	D	F	120			
37	Sirisha	72	2	D	F	120			
38	Sirisha	80	1	N	F	120			
39	Sirisha	85	3	D	F	120			
40	Teak	81	5	N	F	120			

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Office
Ramabari Section

Asst. Conservator of Forest
I/C, Champua Forest

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Privat Plot No	Remarks
41	Teak	60	4	N	F	120			
42	Teak	59	5	N	F	120			
43	Teak	60	3	N	N			185	
44	Teak	58	3	N	N			185	
45	Teak	52	3	N	N			185	
46	Sirisha	70	1	N	N			185	
47	Saga	62	3	D	N			185	
48	Sirisha	72	2	D	N			185	
49	Sirisha	180	2	D	N			185	
50	Sirisha	120	2	D	N			186	
51	Sirisha	55	3	D	N			206	
52	Teak	60	2	D	N			206	
53	Teak	90	5	N	N			205	
54	Teak	70	2	D	N			206	
55	Sisham	189	5	N	N			205	
56	Sirisha	70	4	N	N			205	
57	Saga	68	2	N	N			206	
58	Bara	129	2	D	N			206	
59	Mango	380	2	D	N			206	
60	Karanja	60	2	D	N			207	
61	Sirisha	89	2	N	N			207	
62	Sirisha	130	2	N	N			207	
63	Sirisha	150	5	N	N			207	
64	Sirisha	60	2	D	N			1464	
65	Sirisha	80	1	D	N			208	
66	Sirisha	100	3	D	N			208	
67	Teak	80	3	N	N			209	
68	Teak	65	6	N	N			208	
69	Sirisha	80	2	D	N			209	
70	Sirisha	129	3	N	F	211			
71	Sirisha	40	2	N	F	211			
72	Karanja	35	1	D	F	211			
73	Misc	50	2	N	F	211			
74	Misc	70	1	D	F	211			
75	Sirisha	41	1	D	F	211			

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Range Officer

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in 6ft	Normal / Defect	Forest/ Non-Forest	Plot No	Sal Non Forest Plot No	Forest Plot No	Remarks
76	Sisoo	65	2	N	F	211			
77	Girjha	60	2	N	RF				
78	Sal	62	3	N	RF				
79	Sal	130	3	D	RF				
80	Asana	110	3	N	RF				
81	Jamu	62	2	D	RF				
82	Jamu	50	1	N	RF				
83	Asana	120	1	D	RF				
84	Asana	65	1	D	RF				
85	Mitc	120	2	D	RF				
86	Asana	80	3	N	RF				
87	Jia	140	3	D	RF				
88	Kusuma	70	3	D	RF				
89	Asana	100	3	N	RF				
90	Sal	60	2	D	RF				
91	Sal	80	1	D	RF				
92	Pudamula	50	1	D	RF				
93	Jaku	69	2	N	RF				
94	Kasi	70	3	N	RF				
95	Asana	70	1	N	RF				
96	Asana	80	3	N	RF				
97	Sal	40	3	N	RF				
98	Sal	60	1	D	RF				
99	Sal	70	2	D	RF				
100	Sal	60	2	N	RF				
101	Asana	50	5	N	RF				
102	Pudamula	100	3	D	RF				
103	Sal	35	2	N	RF				TBT
104	Sal	90	2	D	RF				
105	Sal	60	5	D	RF				
106	Sal	30	3	N	RF				TBT
107	Sal	50	4	D	RF				
108	Sal	50	3	D	RF				
109	Sal	60	1	D	RF				
110	Asana.	60	2	D	RF				

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Officer
Bamebari Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Privet Plot No	Remarks
111	Sal	95	1	D	RF				
112	Flame	90	2	D	RF				
113	Sal	80	1	D	RF				
114	Jia	75	3	N	RF				
115	Sal	98	4	N	RF				TBT
116	Dhaila	45	2	D	RF				
117	Dhaila	80	1	D	RF				
118	Asana	120	2	D	RF				
119	Sal	50	4	N	RF				
120	Sal	110	4	D	RF				
121	Sal	80	4	N	RF				
122	Jia	95	4	N	RF				
123	Sal	80	5	N	RF				
124	Jamu	60	2	D	RF				
125	Sal	98	4	N	RF				
126	Jamu	120	2	D	RF				TBT
127	Sal	92	5	N	RF				
128	Sal	100	5	N	RF				
129	Sal	90	4	N	RF				
130	Kusum	49	3	N	RF				TBT
131	Sal	60	4	D	RF				TBT
132	Asana	60	4	N	RF				
133	Sal	160	5	N	RF				TBT
134	Sal	48	3	N	RF				
135	Sal	50	2	D	RF				
136	Sal	90	3	N	RF				
137	Mau	60	2	D	RF				
138	Sal	150	5	N	RF				
139	Sal	50	2	D	RF				
140	Sal	55	4	N	RF				
141	Sal	70	5	D	RF				
142	Sal	85	3	D	RF				
143	Flame	140	2	D	RF				
144	Dhaila	150	2	D	RF				
145	Sal	120	3	N	RF				

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Officer
Range

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Govt Non Forest Plot No	Privat Plot No	Remarks
146	Sal	110	4	N	RF				
147	Sal	100	5	N	RF				
148	Asana	95	5	N	RF				
149	Asana	35	1	D	RF				
150	Sal	60	2	D	RF				
151	Terminalia	110	3	N	RF				
152	Asana	30	1	D	RF				
153	Sal	30	1	D	RF				
154	Dhaura	32	1	D	RF				
155	Dhaura	50	1	D	RF				
156	Sal	30	1	D	RF				
157	Sal	40	2	D	RF				
158	Sal	35	1	D	RF				
159	Sal	150	2	D	RF				
160	Kendu	80	1	D	RF				
161	Sal	100	5	N	RF				
162	Sal	50	2	N	RF				
163	Kumma	220	3	N	RF				
164	Mec	60	3	N	RF				
165	Mahua	40	2	N	RF				
166	Kendu	55	1	N	RF				
167	Sal	40	2	N	RF				
168	Sal	40	3	N	RF				
169	Sal	40	3	N	RF				
170	Sal	45	3	N	RF				
171	Chara	85	3	N	RF				
172	Sal	40	2	N	RF				
173	Sal	40	2	N	RF				
174	Kendu	30	1	D	RF				
175	Sal	70	4	N	RF				
176	Dhaura	70	2	D	RF				
177	Sal	70	3	N	RF				TBT
178	Sal	35	2	N	RF				
179	Sal	60	4	N	RF				
180	Sal	75	5	N	RF				

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Office
Bamebari Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Ori.Nov Forest Plot No	Prfest Plot No	Remarks
181	Sal	50	3	N	RF				TBT
182	Sal	70	5	N	RF				TBT
183	Misc	30	1	D	RF				
184	Sal	35	2	N	RF				
185	Sal	40	2	D	RF				
186	Kendu	40	2	D	RF				
187	Sal	70	3	N	RF				
188	Sal	100	5	N	RF				
189	Sal	60	5	N	RF				
190	Kendu	50	3	N	RF				
191	Sal	40	2	N	RF				
192	Kendu	40	3	N	RF				
193	Jamu	90	4	N	RF				
194	Sal	90	5	N	RF				
195	Sal	60	3	N	RF				
196	Sal	105	5	N	RF				
197	Mahula	35	2	D	RF				
198	Mahula	40	2	D	RF				
199	Mahula	30	3	N	RF				
200	Siriaha	30	4	D	RF				
201	Misc	50	2	D	RF				
202	Kendu	50	3	N	RF				
203	Kendu	50	2	N	RF				
204	Jhi	40	2	N	RF				
205	Dara	60	3	N	RF				
206	Sal	40	2	N	RF				
207	Sal	55	3	N	RF				
208	Sal	60	3	N	RF				
209	Misc	40	1	D	RF				
210	Kusi	80	5	N	RF				
211	Kendu	110	2	N	RF				
212	Misc	45	2	D	RF				
213	Kendu	50	2	N	RF				
214	Asana	40	3	N	RF				
215	Asana	40	2	D	RF				

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Officer
Barabhumi & Champua

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Other Plot No	Remarks
216	Sal	40	3	N	RF				
217	Dhaila	80	2	D	RF				
218	Sal	40	2	N	RF				
219	Sal	50	2	N	RF				
220	Mahulg	40	2	N	RF				
221	Mahula	80	3	N	RF				
222	Sal	50	2	N	RF				
223	Asana	40	3	N	RF				
224	Sal	50	1	D	RF				
225	Sal	81	3	N	RF				
226	Sal	5	2	D	RF				
227	Sal	40	1	D	RF				
228	Sal	50	2	D	RF				
229	Sal	25	1	N	RF				
230	Mango	140	1	N	RF				
231	Asana	70	5	N	RF				TBT
232	Tentula	70	4	N	RF				
233	Kendu	40	2	N	RF				
234	Sal	50	3	N	RF				
235	Sal	45	2	N	RF				
236	Asana	50	5	N	RF				
237	Mahula	60	3	N	RF				TBT
238	Sal	80	5	N	RF				
239	Sal	85	3	N	RF				
240	Asana	140	1	N	RF				
241	Mango	140	2	N	RF				
242	Sal	50	3	D	RF				
243	Sal	85	5	N	RF				
244	Jamu	45	3	D	RF				
245	Asana	80	5	N	RF				
246	Sal	40	2	D	RF				
247	Sal	35	5	N	RF				
248	Sal	55	1	N	RF				
249	Sal	25	1	N	RF				
250	Sal	95	3	N	RF				

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Office
Gamaharia Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Num Forest Plot No	Private Plot No	Remarks
251	Sal	88	5	N	RF				
252	Asana	50	2	D	RF				
253	Sal	80	3	D	RF				
254	Sal	35	3	N	RF				
255	Sal	80	3	D	RF				
256	Sal	90	3	D	RF				
257	Chara	35	3	N	RF				
258	Arjun	60	2	D	RF				TBT
259	Sal	60	3	D	RF				
260	Sal	82	5	N	RF				
261	Sal	35	1	P	RF				
262	Sal	40	1	N	RF				
263	Sal	120	5	N	RF				
264	Sal	60	3	D	RF				
265	Sal	65	5	N	RF				
266	Sal	80	5	N	RF				
267	Sal	80	5	N	RF				TBT
268	Sal	40	2	N	RF				
269	Saj	42	5	N	RF				TBT
270	Kasi	70	4	N	RF				
271	Sal	90	5	N	RF				
272	Jia	50	3	N	RF				
273	Sal	60	5	N	RF				
274	Sal	58	5	N	RF				
275	Sal	80	3	N	RF				
276	Mango	40	3	N	RF				
277	Sal	50	3	D	RF				
278	Sal	58	4	N	RF				
279	Sal	59	5	N	RF				
280	Sal	40	5	N	RF				
281	Sal	48	4	N	RF				
282	Sal	60	3	N	RF				
283	Misc	300	2	D	RF				
284	Sal	50	5	N	RF				
285	Sal	48	5	N	RF				

Asst. Conservator of Forest
HG, Champua Forest Range

Forest Section Officer
Barabhumi Section

Asst. Conservator of Forest
HG, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest plot No	Privat Plot No	Remarks
286	Asana	220	3	D	RF				
287	Sal	80	4	N	RF				
288	Sal	55	5	N	RF				
289	Misc	120	2	D	RF				
290	Sal	80	5	N	RF				
291	Bhithe	110	1	D	RF				
292	Shisha	120	5	N	RF				
293	Misc	120	2	D	RF				
294	Dhale	120	3	D	RF				
295	Sal	85	2	D	RF				
296	Sal	48	3	N	RF				
297	Sal	42	3	N	RF				
298	Sal	45	3	N	RF				
299	Kumari	32	2	N	RF				
300	Sal	140	1	D	RF				
301	Sal	42	4	N	RF				
302	Sal	50	3	N	RF				
303	Sal	38	2	N	RF				
304	Sal	35	2	N	RF				
305	Sal	35	2	D	RF				
306	Sal	36	2	N	RF				
307	Sal	52	4	N	RF				
308	Sal	50	6	N	RF				
309	Sal	45	5	N	RF				
310	Sal	50	5	D	RF				
311	Sal	58	1	D	RF				
312	Sal	42	3	N	RF				
313	Sal	42	3	D	RF				
314	Sal	52	4	D	RF				
315	Sal	40	3	N	RF				
316	Sal	48	3	D	RF				
317	Tentule	148	3	N	RF				
318	Sal	40	3	N	RF				
319	Mango	30	1	N	RF				
320	Sal	48	2	D	RF				

Asst. Conservator of Forest
I/C, Chengua Forest Range

Forest Section Officer
Barmabari S. F. Range

Asst. Conservator of Forest
I/C, Chengua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Govt Non Forest Plot No	Privat Plot No	Remarks
321	Sal	80	3	N	RF				
322	Asana	70	3	D	RF				
323	Sal	50	4	N	RF				
324	Sal	42	3	N	RF				
325	Sal	41	2	N	RF				
326	Sal	42	3	N	RF				
327	Re	30	1	D	RF				
328	Sal	42	5	N	RF				
329	Sal	40	4	N	RF				
330	Sal	40	2	N	RF				
331	Sal	38	2	N	RF				
332	Asana	60	3	D	RF				
333	Sijha	48	2	N	RF				
334	Mahula	350	5	N	RF				
335	Mahula	220	5	N	RF				
336	Mahula	280	2	N	RF				
337	Mahula	300	3	N	RF				
338	Mahula	198	2	N	RF				
339	Asana	280	3	N	RF				
340	Bahada	78	4	N	RF				
341	Bahada	40	2	N	RF				
342	Bahada	68	3	D	RF				
343	Bahada	50	3	N	RF				
344	Mahula	280	2	N	RF				
345	Asana	730	2	D	F	116			
346	Kasi	190	2	D	F	116			
347	Asana	120	5	D	F	116			
348	Sal	95	5	N	F	116			
349	Asana	90	2	D	F	116			
350	Sal	65	5	N	F	116			
351	Sal	98	5	N	N			113/1469	
352	Sal	80	4	N	N			113/1469	
353	Asana	110	3	D	N			113/1470	
354	Sal	95	2	N	F	113/1469			
355	Mahula	45	3	N	F	113/1469			

Asst. Conservator of Forests
Forest Section Office
Asst. Conservator of Forest

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Old Non Forest Plot No	Privet Plot No	Remarks
356	Sal	79	5	N	F	113/1400			
357	Mahuwa	50	3	N	F	113/1400			
358	Sal	60	5	N	F	113/1400			
359	Sal	70	5	N	F	113/1400			
360	Pehpa	180	2	N	F	113/1400			
361	Chara	38	2	D	F	113/1400			
362	Sal	70	4	N	F	113/1400			
363	Sal	48	4	D	F	113			
364	Sal	180	6	N	F	113			
365	Sal	110	7	N	F	113			
366	Sal	60	5	N	F	113			
367	Sal	185	5	N	F	113			
368	Sal	70	5	N	F	113			
369	Sal	63	5	N	F	113			
370	Sal	90	5	N	F	113			
371	Sal	48	5	N	F	113			
372	Sal	75	5	N	F	113			
373	Sal	65	4	N	F	113			
374	Sal	70	4	N	F	113			
375	Sal	80	2	N	F	113			
376	Sal	60	5	N	F	113			
377	Sal	210	6	N	F	113			
378	Sal	65	4	N	F	113			
379	Sal	73	5	N	F	113			
380	Sal	70	5	N	F	113			
381	Arjun	230	4	D	F	113			
382	Sal	120	2	D	F	113			
383	Sal	200	5	N	F	113			
384	Sal	120	7	N	F	111			
385	Sal	110	7	N	F	111			
386	Bahada	92	5	N	F	111			
387	Sal	120	5	N	F	111			
388	Sal	70	5	N	F	111			
389	Sal	90	5	N	F	111			
390	Sal	70	4	N	F	113			

Asst. Conservator of Forest
HC, Champua Forest Range

Forest Section Officer
Somebari Sub-Division

Deputy Conservator of Forest
HQ, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Govt Non Forest Plot No	Private Plot No	Remarks
391	Sal	70	5	N	F	111			
392	Mahuda	240	2	D	F	111			
393	Sal	110	7	N	F	111			
394	sal	120	8	N	F	111			
395	Sal	105	4	N	F	111			
396	Sal	80	5	N	F	111			
397	sal	40	2	N	F	1005			
398	Jamun	60	2	D	F	1005			
399	Kusum	90	3	N	F	1005			
400	Sirish	130	2	N	F	1005			
401	Mahuda	270	2	D	F	1005			
402	Neem	40	2	N	F	1005			
403	Mahua	190	2	N	F	1005			
404	Mahua	280	2	N	F	1005			
405	Neem	85	2	D	F	1005			
406	Neem	80	2	N	F	1005			
407	Kendu	40	1	D	F	1005			
408	Mahua	260	2	N	F	1005			
409	Mahua	270	2	N	F	1005			
410	Jamun	210	8	N	F	1005			
411	Mahua	180	1	N	F	1005			
412	Mahua	300	1	N	F	1005			
413	Mahua	150	1	N	F	1005			
414	Mahua	240	2	N	F	1005			
415	Kendu	80	2	D	F	1005			
416	Neem	300	8	N	F	1005			
417	Neem	90	2	N	F	1005			
418	Mahua	270	8	N	F	1005			
419	Neem	55	2	N	F	1005			
420	Mahua	130	3	D	F	1005			
421	Mahua	120	3	N	F	1005			
422	Neem	78	2	N	F	1005			
423	Neem	75	3	D	F	1015			
424	Neem	70	3	N	F	1015			
425	Sal	60	2	N	F	1015			

Forest Section Office
Bonnebari Section, Construction of Power
HQ, Chandra Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Cvt Nos /Forest Plot No	Privet Plot No	Remarks
426	Neem	65	2	N	F	1016			
427	Sal	70	3	N	F	1016			
428	Sal	90	5	N	F	1016			
429	Bahada	160	3	D	F	1016			
430	Neem	70	2	N	F	1037			
431	Neem	45	3	D	F	1037			
432	Bam	230	5	N	F	1043/1340			
433	Sal	80	3	D	F	1043/1340			
434	Neem	35	5	D	F	1043/1340			
435	Sal	180	6	N	F	1043			
436	Sal	180	4	N	F	1043			
437	Neem	100	2	N	F	1043			
438	Jamu	130	5	D	F	1043			
439	Sal	105	6	N	F	1043			
440	Sal	130	2	D	F	1044			
441	Sal	170	5	N	F	1044			
442	Bela	150	3	N	F	1044			
Forest	390(BF-268 +Fallen 122)			42				Total Tree	
								432	
	Below 30cm	570		Below 30cm		0		Below 30 cm	570

Dy. Conservator of Forest
I/C. Champua Forest Range

Forest Section Clerk

Dy. Conservator of Forest
I/C. Champua Forest R. R.

Tree enumeration for laying of Tailing,Water pipeline,Power & Communictio Cables from Beneficiation plant at Gaisuna under Samaleri Forest Section of Champua Range to Tailing Dam at Sankuni Under BJP Range of M/s.ArcelorMittal Nippon Steel India Limited in Dist-Keonjhar

CHAMPUA RANGE, Village- Nayagada , P.S-JODA

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Dafect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Forest Plot No	Remarks
443	Dahada	140	2	D	F	583			
444	sal	159	4	N	F	583			
445	Sal	120	3	D	F	584			
446	Neema	65	1	N	F	583			
447	sal	190	8	N	F	585			
448	Neema	65	5	N	F	585			
449	Sal	270	3	D	F	583			
450	Sal	190	6	N	F	583			
451	Sal	150	4	D	F	588			
452	Neema	130	2	D	F	583			
453	Sal	190	5	N	F	583			
454	Sal	130	5	D	F	583			
455	Sal	240	5	N	F	583			
456	Sal	148	3	N	F	585			
457	Mahada	150	5	D	F	583			
458	Neema	130	3	D	F	583			
459	Jamu	190	3	D	F	583			
460	Neema	55	2	N	F	583			
461	Sal	190	7	N	F	583			
462	Sal	140	6	N	F	583			
463	Sentel	85	2	N	F	583			
464	Mahada	120	2	N	F	583			
465	Dahada	230	4	N	F	583			
466	Mahada	100	3	N	F	583			
467	Sal	75	4	N	F	583			
468	Sal	95	3	N	F	583			
469	Dhaka	150	1	D	F	583			
470	Asana	55	2	D	F	583			
471	Kendu	50	1	D	F	583			
472	Sal	40	3	N	F	583			
473	Sal	180	2	D	F	583			

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Office
Semaleri Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Old Non Forest Plot No	Priest Plot No	Remarks
474	Sal	90	1	D	F	684			
475	Sal	50	5	N	F	684			
476	Sal	58	4	N	F	684			
477	Sal	80	1	D	F	684			
478	Sal	120	2	D	F	684			
479	Sal	50	1	D	F	684			
480	Kendu	40	1	D	F	684			
481	Asana	45	1	N	F	684			
482	Sal	80	1	D	F	684			
483	Sal	85	2	N	F	684			
484	Sal	50	2	D	F	684			
485	Sal	50	5	N	F	684			
486	Sal	40	3	D	F	684			
487	Sal	40	5	N	F	684			
488	Kendu	100	2	D	F	684			
489	Sal	60	5	N	F	684			
490	Sal	40	3	N	F	684			
491	Sal	41	3	N	F	684			
492	sal	39	2	D	F	684			
493	Asana	50	2	D	F	684			
494	Asana	68	3	N	F	684			
495	Mango	50	2	N	F	684			
496	sal	60	3	D	F	684			
497	Jamu	100	2	D	F	684			
498	Kusi	70	3	N	F	684			
499	Karanja	60	3	D	F	684			
500	Karanja	40	3	N	F	684			
501	Karanja	80	3	D	F	684			
502	Karanja	75	2	N	F	684			
503	Misc	70	5	D	F	684			
504	Karanja	60	3	D	F	684			
505	Misc	80	5	D	F	684			
506	Misc	70	5	N	F	684			
507	Asana	150	4	N	F	684			
508	Jamu	60	3	N	F	684			

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Office
Ramchari Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Privet Plot No	Remarks
509	Sal	50	2	N	F	594			
510	Sal	150	1	D	F	594			
511	Asana	40	3	N	F	594			
512	Asana	52	4	N	F	594			
513	Asana	50	2	N	F	594			
514	Asana	40	3	N	F	594			
515	Asana	40	5	N	F	594			
516	Asana	51	3	N	N			624	
517	Asana	40	2	N	N			625	
518	Asana	38	3	N	N			626	
519	Asana	39	2	N	N			627	
520	Dhaila	58	5	N	N			628	
521	Asana	40	3	N	N			629	
522	Asana	80	3	N	N			630	
523	Asana	58	5	N	N			631	
524	Dhaila	40	3	D	N			632	
525	Asana	50	2	D	N			633	
526	Asana	60	4	N	N			634	
527	Asana	50	2	N	N			635	
528	Asana	40	2	N	N			636	
529	Asana	40	5	N	N			637	
530	Asana	50	2	N	N			638	
531	Asana	55	3	N	N			639	
532	Asana	60	4	N	N			640	
533	Asana	58	5	N	N			641	
534	Asana	55	5	N	N			642	
535	Asana	68	3	D	N			643	
536	Asana	62	2	N	F	637/2100			
537	Asana	58	4	N	F	637/2100			
538	Dhaila	50	3	N	F	637/2100			
539	Palas	40	2	D	F	637/2100			
540	Asana	60	4	N	F	637/2100			
541	Asana	62	4	N	F	637/2100			
542	Asana	63	3	N	F	673			
543	Asana	40	5	N	F	673			

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Officer
Bamebari Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Side Forest Plot No	Pvtnet Plot No	Remarks
644	Asana	42	3	N	F	673			
645	Asana	45	2	N	F	673			
646	Peejasmuda	70	2	N	F	673			
647	Jamu	120	6	D	F	673			
648	Asana	50	2	N	F	673			
649	Asana	30	3	N	F	673			
650	Asana	50	2	N	F	673			
651	Dhak	45	3	D	N			650	
652	Peejasmuda	5	2	N	N			650	
653	Peejasmuda	60	2	N	N			650	
654	Jamu	50	2	N	N			650	
655	Mahuda	220	3	D	N			651	
656	Jamu	330	2	D	N			651	
657	Mahuda	370	5	N	N			651	
658	Mahuda	390	5	N	N			651	
659	Misc	80	2	N	N			2163	
660	Siyali	50	2	D	N			2163	
661	Asana	54	2	D	N			2163	
662	Karanja	70	2	N	N			2163	
663	Karanja	40	3	D	N			2163	
664	Karanja	40	2	D	N			2163	
665	Asana	70	2	D	N			2163	
666	Karanja	40	2	D	N			2163	
667	Karanja	40	3	D	N			2163	
668	Karanja	35	2	N	N			2163	
669	Peejasmuda	50	3	N	N			2163	
670	Karanja	40	2	D	N			2163	
671	Karanja	42	2	N	N			2163	
672	Misc	80	5	N	N			2163	
673	Karanja	60	2	N	N			2163	
674	Karanja	50	2	D	N			2163	
675	Dhak	200	5	D	N			2163	
676	Misc	80	2	D	N			2163	
677	Misc	63	3	D	N			2163	
678	Misc	50	2	D	N			2163	

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Beriban Office
Semaheri Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Forest Plot No	Remarks
579	Misc	40	2	R	N			2183	
Forest	86			49				Total Tree	
								137	
	Below 30cm		145	Below 30cm			30	Belo 30 cm	175

Asst. Conservator of Forests
I/C, Champua Forest Range

Asst. Conservator of Forests
I/C, Champua Forest Range

Forest Section Office
Bamebari Section

Tree enumeration for laying of Tailing/Water pipelines,Power & Communicatio Cables from Beneficiation plant at Gelsumi under Nemabari forest Section of Champua Range to Tailing Dam at Sankari Under BJP Range of M/s.ArcelorMittal Nippon Steel India Limited in Dist-Keonjhar

CHAMPUA RANGE , Village- Patuakudar , P.S-KODA

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Dafect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Pahal Plot No	Remarks
580	Sal	70	1	D	F	83			
581	Sal	60	1	D	F	83			
582	Arjuna	140	5	N	F	83			
583	Jamu	80	3	N	F	83			
584	Misc	82	5	N	F	83			
585	Asana	75	1	D	F	83			
586	Misc	80	2	D	F	82			
587	Asana	70	1	D	F	82			
588	Sal	80	1	D	F	86			
589	Simili	140	2	D	F	86			
590	Jamu	310	4	D	F	86			
591	Misc	50	3	D	F	86			
592	Dhaki	150	4	N	F	86			
593	Asana	80	1	D	F	86			
594	Asana	120	4	N	F	86			
595	Misc	50	2	D	F	86			
596	Misc	90	5	N	F	86			
597	Asana	70	3	D	F	86			
598	Sal	80	3	N	F	86			
599	SAl	300	6	N	F	86			
600	SAl	95	5	N	F	86			
601	SAl	110	5	N	F	89			
602	Kendu	250	3	D	F	86			
603	sal	140	5	N	F	86			
604	Kendu	180	5	N	F	86			
605	sal	110	6	N	N			51	
606	Palasa	120	3	D	N			51	
607	Sal	120	7	N	N			51	
608	Sal	80	3	N	N			51	
609	Sal	95	6	N	N			82	
610	Sal	130	7	N	N			82	

Malda Beat

Forest Section Officer
Champua Forest Range

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Civil Non Forest Plot No	Private Plot No	Remarks
611	Sal	90	5	N	N			82	
612	Sal	89	2	D	N			82	
613	Sal	300	3	N	N			82	
614	Sal	98	8	N	N			82	
615	Sal	90	5	N	N			82	
616	Sal	80	5	N	N			82	
617	Palas	85	2	D	N			82	
618	Sal	210	5	N	N			83/981	
619	Sal	70	2	N	N			83/981	
620	Sal	71	3	N	N			83/981	
621	Sal	150	5	N	N			83/981	
622	Sal	90	5	D	N			83/981	
623	Sal	80	5	N	N			79	
624	Sal	90	6	N	N			79	
625	Sal	95	8	N	N			79	
626	Sal	100	7	N	N			79	
627	Sal	130	5	N	N			79	
628	Sal	140	5	N	N			79	
629	Sal	80	7	N	N			79	
630	Sal	170	7	N	N			79	
631	Sal	190	5	N	N			79	
632	Sal	80	5	N	N			83/981	
633	Sal	88	5	N	N			83/981	
634	Sal	150	5	N	N			83/981	
635	Sal	210	8	N	N			83/981	
636	Sal	255	5	N	N			83/981	
637	Sal	98	5	N	N			83/981	
638	Arjuna	150	2	D	N			83/981	
639	Arjuna	149	4	N	N			83/981	
640	Mahua	80	3	N	N			83/981	
641	Kendu	88	2	D	N			83/981	
642	Sal	90	5	N	N			83/981	
643	Sal	80	5	N	N			83/981	
644	Arjuna	120	7	N	N			83/981	
645	Sal	80	3	D	N			83/981	

Forest Section Officer
Baneshori Section

Asst. Conservator of Forest
Jaldapara Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Gvt Non Forest Plot No	Privat Plot No	Remarks
646	Asana	60	5	N	N			82/261	
647	Sal	70	2	D	N			83/261	
648	Sal	90	4	N	F	83			
649	Sal	220	3	D	F	69			
650	Palasa	140	2	D	F	83			
651	Sal	50	2	N	F	83			
652	Sal	40	3	N	F	83			
653	Asana	300	8	N	F	83			
654	Bara	390	9	D	F	83			
655	Jamu	140	3	D	F	83			
656	Sal	320	5	D	F	83			
657	Sal	160	3	N	N			149	
658	Sal	140	6	N	N			148	
659	Dhaia	110	5	D	N			148	
660	Mahula	150	5	N	N			149	
661	Sal	300	6	N	N			149	
662	Mahula	70	2	N	N			149	
663	Sal	60	2	D	N			149	
664	Mahula	250	8	N	N			148	
665	Mahula	60	5	N	N			148	
666	Asana	65	4	N	N			149	
667	Sal	120	5	N	F	163			
668	Jamu	110	3	N	F	163			
669	Karanja	100	2	D	F	163			
670	Sal	100	5	D	F	168			
671	Karanja	104	5	D	F	153			
672	Kendu	90	5	N	F	153			
673	Sal	50	5	N	F	161			
674	Sal	40	3	N	F	154			
675	Sal	40	3	N	F	154			
676	Chara	30	3	N	F	154			
677	Asana	81	4	N	N			157	
678	Asana	80	3	N	N			157	
679	Asana	150	2	N	N			157	
680	Asana	130	3	N	F	169			

Forest Section Office
Ramrabari Section

Asst. Conservator of Forest
WL. Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Dalcro	Forest/ Non-Forest	Plot No	Out Man Forest Plot No	Privat Plot No	Remarks
661	Arjun	92	3	N	F	158			
662	Arjun	100	4	N	F	158			
645	Sal	60	5	N	F	824/863			
646	Sal	60	5	N	F	824/863			
647	Sal	62	5	N	F	824/863			
648	Sal	50	5	N	F	824/863			
649	Sal	52	5	N	F	824/863			
650	Sal	40	8	N	F	824/863			
651	Jamu	50	3	D	F	824/863			TBT
652	Jamu	52	5	N	F	824/863			
653	Pus jamuli	40	2	D	F	824/863			
654	Mango	450	1	D	F	824/863			
655	Sal	220	8	N	F	824/863			
656	Sal	200	8	N	F	824/863			
657	Sal	58	5	N	F	824/863			
658	Sal	230	8	N	F	824/863			
659	Sal	60	6	N	F	824/863			
660	Sal	120	8	N	F	824/863			
661	Mahuda	250	2	N	F	824/863			
662	Mango	350	3	N	F	824/863			
663	Mahuda	220	5	N	F	824/863			
664	Mahuda	140	2	N	F	824/863			
665	Sal	92	8	N	F	824/863			
666	Jamu	140	4	N	F	824/863			
667	Jamu	180	5	N	F	824/863			
668	Mango	180	2	N	F	824/863			
669	Pus jamuli	125	8	N	F	824/863			
670	Jamu	40	8	N	F	824/863			
671	Jamu	160	3	N	F	824/863			TBT
672	Jamu	350	5	N	F	824/863			
673	Jamu	70	3	N	F	824/863			
674	Jamu	350	2	N	F	824/863			
675	Mahuda	170	3	D	F	824/863			
676	Mahuda	220	1	D	F	824/863			
677	Sal	105	8	N	F	824/863			

Forest Section Office
Rameshori Section

Asst. Conservator of Forest
I/C, Champua Forest Division

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Privat Plot No	Remarks
878	Sal	105	6	N	F	824/063			
879	Jamu	210	9	N	F	824/063			
880	Jia	480	2	D	F	824/063			
881	Mahuda	190	2	N	F	824/063			
882	Chara	40	3	N	F	824/063			
883	Sal	100	8	N	F	824/063			
884	Sal	90	5	N	F	824/063			
885	Sal	120	8	N	F	824/063			
886	Sal	120	7	N	F	824/063			
887	Sal	100	8	N	F	824/063			
888	Sal	100	8	N	F	824/063			
889	Sal	95	8	N	F	824/063			
890	Sal	120	5	N	F	824/063			
891	Mahula	80	4	N	F	824/063			
892	Sal	90	3	N	F	824/063			
893	Sal	180	8	N	F	824/063			
894	Sal	80	8	N	F	824/063			
895	Sal	80	8	N	F	824/063			
896	Sal	70	8	N	F	824/063			
897	Sal	200	8	N	F	824/063			
898	Sal	195	5	N	F	824/063			
899	Sal	185	8	N	F	824/063			
900	Sal	109	7	N	F	824/063			
901	Sal	109	8	N	F	824/063			
902	Sal	95	6	N	F	824/063			
903	Sal	95	5	N	F	824/063			
904	Kusum	80	2	D	F	824/063			
905	Mahula	80	3	N	F	824/062			
906	Sal	92	6	N	F	824/062			
907	Sal	110	8	N	F	824/062			
908	Sal	140	9	N	F	824/062			
909	Sal	360	5	N	F	824/062			
910	Sal	105	8	N	F	824/062			
911	Sal	90	8	N	F	824/062			
912	Sal	300	7	N	F	824			

Forest Section Officer
Ramgarh Section

Asst. Conservator of Forest
HC, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Privet Plot No	Remarks
913	Sal	88	3	N	F	824			
914	Sal	60	2	N	F	824			
916	Sal	170	8	N	F	824			
916	Sal	50	4	N	F	824			
917	Sal	70	8	N	F	824			
918	Sal	130	3	N	F	824			
919	Sal	120	3	N	F	824			
920	Mango	55	3	N	F	824			
921	Mango	90	5	N	F	824			
922	Mango	170	4	N	F	824			
923	Mango	120	2	N	F	824			
924.	Sal	130	8	N	F	824			
925	Mango	112	2	N	F	824			
Forest	Tree no : 580 - 684=28, 641 -656 =9, 667 -676 =10, 680 -682 =3,845 -925=81 Total-125			Non Forest 625 -647 =43 657 - 666 =10 677 - 679 =5 Total-56				Total Trps	
	Below 30cm	185		Below 30cm		10		804	
								Below 30 cm	125

Forest Section Office
Ramabori Section

Asst. Conservator of Forests
I/C, Champua Forest Range

Tree enumeration for laying of Tailing,Water pipelines,Power & Communicatio Cables from Beneficiation plant at dalkoma under Investment forest Section of Champua Range to Tailing Dam at Sunkarl Under SFF Range of M/s.ArcelorMittal Nippon Steel India Limited in Dist-Keonjhar

CHAMPUA RANGE, Village- Dhamarlapasi, F.S-JODA

Tree No.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Privet Plot No	Remarks
683	Asan	290	5	N	F	1059/1260			
684	Bahada	190	4	N	F	1059/1260			
685	Sal	65	2	N	F	1059/1260			
686	Sal	98	1	D	F	1060/1260			
687	Dara	240	3	N	F	1060/1260			
688	Mango	70	1	D	F	1060/1260			
689	Sal	90	2	D	F	1060/1260			
690	Mahula	80	2	N	F	1060			
691	Mahula	82	2	N	F	1060			
692	Sal	220	2	D	F	1060			
693	Sal	208	2	D	F	1060			
694	Mahula	280	9	N	F	1060			
695	Sal	300	2	D	F	1060			
696	Chara	40	3	N	F	1060			
697	Kendu	50	2	N	F	1060			
698	Sal	200	1	D	F	1060			
699	Mahula	120	2	N	F	1060			
700	Sal	89	1	D	F	1060			
701	Mahula	90	2	N	F	1060			
702	Sal	108	4	D	F	1060			
703	Sal	80	5	N	F	1060			
704	Sal	80	5	N	F	1064			
705	Asan	78	2	D	F	1064			
706	Jamu	50	1	D	F	1064			
707	Sal	220	3	N	F	1064			
708	Sal	300	4	N	N			1062	
709	Mahula	190	2	D	N			1062	
710	Sal	70	5	N	N			1062	
711	Sal	40	5	N	N			1062	
712	Sal	60	3	D	N			1062	

Forest Section Office
Sunabari Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Gut Non Forest Plot No	Prient Plot No	Remarks
713	Chara	48	5	N	N			1002	
714	Sal	130	6	N	N			1002	
715	Sal	70	5	N	N			1004	
716	Sal	55	2	D	N			1004	
717	Kendu	130	3	D	N			1004	
718	Jamu	58	1	D	N			1004	
719	Jamu	50	1	D	N			1004	
720	Sal	40	3	N	N			1004	
721	Jamu	70	4	D	N			1004	
722	Sal	70	4	N	N			1004	
723	Sal	80	3	D	N			1004	
724	Sal	50	5	N	N			1004	
725	Jamu	370	3	N	N			1004	
726	Asaena	230	3	N	N			1004	
727	Mahula	240	3	N	N			1005	
728	Mahula	270	3	N	N			1005	
729	Mahula	230	4	N	F	1105		1005	
730	Kusuma	300	3	D	F	1108			
731	Mahula	150	2	D	F	1108			
732	Mahula	70	2	N	F	1108			
733	Mahula	80	3	N	F	1108			
734	Mahula	62	2	N	F	1108			
735	Sal	95	3	N	F	1109			
736	Sal	250	6	N	F	1109			
737	Mahula	300	2	N	F	1109			
738	Mahula	110	5	N	F	1109			
739	Mahula	110	3	N	F	1109			
740	Mahula	270	3	N	F	1109			
741	Sal	300	5	N	F	1109			
742	Sal	150	2	D	F	1109			
743	Sal	70	2	D	F	1109			
744	Sal	240	3	N	F	1109			
745	Chara	40	1	N	F	1109			
746	Sal	40	1	N	F	1109			
747	Sal	70	3	N	F	1110			TBF

Forest Section Office
Baneheri Section

Asst. Conservator of Forests
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Nearest / Dotted	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Privat Plot No	Remarks
746	Sal	250	8	N	F	1110			
748	Sal	90	8	N	F	1110			
750	Mahula	80	5	N	F	1110			
751	Sal	40	9	N	F	1110			
752	Sal	41	5	N	F	1110			
753	Sal	42	3	N	F	1110			
754	Sal	55	4	N	F	1110			
755	Panjamuda	60	2	D	F	1110			
756	Sal	55	2	D	F	1110			
757	Sal	52	8	N	F	1110			TBT
758	Sal	40	8	N	F	1110			
759	Sal	40	9	N	F	1110			TBT
760	Sal	38	2	N	F	1110			TBT
761	Sal	120	8	N	F	1110			
762	Panjamuda	38	1	D	F	1110			
763	Sal	50	4	N	F	1110			
764	Sal	200	8	N	F	1110			
765	Sal	60	4	N	F	1110			
766	Sal	60	5	N	F	1110			
767	Sal	80	6	N	F	1110			
768	Sal	60	5	N	F	1110			
769	Sal	40	3	N	F	1110			TBT
770	Sal	35	3	N	F	1110			
771	Panjamuda	70	2	D	F	1110			
772	Sal	58	3	D	F	1110			
773	Panjamuda	45	3	N	F	1110			
774	Panjamuda	50	1	D	F	1110			
775	Panjamuda	51	2	D	F	1110			
776	Panjamuda	50	1	D	F	1110			
777	Mahula	80	2	N	F	1110			
778	Mahula	140	1	D	F	1110			
779	Jamun	120	2	N	F	1110			
780	Mahula	300	4	N	F	1110			
781	Mahula	75	3	N	F	1110			
782	Sal	250	5	N	F	1110			

Forest Section Office
Ramapan Section

Asst. Conservator of Forest
S/C, Champua Forest R.e.,c

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Privat Plot No	Remarks
783	Sal	120	6	N	F	1110			
784	Sal	190	4	N	F	1110			
785	Sal	170	8	N	F	1110			
786	Sal	80	5	N	F	1110			
787	Bahada	52	3	D	F	1110			
788	Sal	80	1	D	F	1110			
789	Sal	73	5	N	F	1110			
790	Jamu	208	3	N	F	1110			
791	Sal	70	1	D	F	1110			
792	Sal	150	8	N	F	1110			
793	Sal	148	8	N	F	1110			
794	Sal	160	8	N	F	1110			
795	Sal	120	8	N	F	1110			
796	Sal	110	8	N	F	1110			
797	Sal	82	8	N	F	1110			
798	Bahada	150	1	D	F	1110			
799	Sal	98	8	N	F	1110			
800	Sal	80	7	N	F	1110			
801	Sal	130	8	N	F	1110			
802	Mahula	80	5	N	F	1110			
803	Sal	120	8	N	F	1110			TBT
804	Bahada	140	6	D	F	1110			
805	Sal	88	8	N	F	1110			
806	Sal	80	4	N	F	1110			
807	Sal	92	5	N	F	1110			
808	Mahula	130	3	N	F	1110			
809	Sal	70	2	N	F	1110			
810	Sal	130	8	N	F	1110			
811	Sal	128	8	N	F	1110			
812	Sal	90	5	D	F	1110			
813	Sal	80	5	N	F	1111			
814	Sal	185	8	N	F	1111			
815	Mahula	90	2	N	F	1111			
816	Sal	140	5	N	F	1115			
817	Sal	40	5	N	F	1115			TBT

Forest Section Office
Sonepheri Section

Asst. Conservator of Forest
I/C, Champua Forest Division

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Outside Forest Plot No	Privet Plot No	Remarks
818	Sal	130	8	N	F	1116			
819	Sal	40	5	N	F	1116			TBT
820	Sal	42	5	N	F	1116			TBT
821	Sal	100	1	D	F	1116			
822	Sal	150	8	N	F	1116			
823	Sal	60	5	N	F	1116			
824	Sal	130	8	N	F	1116			
825	Sal	35	3	N	F	1116			TBT
826	Sal	40	2	D	F	1116			
827	Mahula	40	2	D	F	1116			
828	Mahula	120	3	N	F	1116			
829	Mahula	70	4	N	F	1116			TBT
830	Sal	90	8	N	F	1116			
831	Sal	80	8	N	F	1116			
832	Sal	82	5	N	F	1116			
833	Sal	70	8	N	F	1116			
834	Sal	100	8	N	F	1116			
835	Sal	90	6	N	F	1116			
836	Sal	60	5	D	F	1116			
837	Mahula	100	5	N	F	1116			
838	Sal	200	6	N	F	1116			
839	Sal	80	5	N	F	1116			TBT
840	Sal	80	8	N	F	1116			
841	Sal	75	2	D	F	1116			
842	Sal	70	8	N	F	1116			
843	Sal	130	5	N	F	1116			
844	Kusum	240	2	N	F	1116			
826	Sal	130	5	N	F	1124			
827	Sal	90	5	N	F	1124			
828	Sal	80	5	N	F	1124			
829	Sal	40	3	N	F	1124			
830	Mahula	80	3	N	F	1124			TBT
831	Sal	120	1	D	F	1124			
832	Sal	100	5	N	F	1124			
833	Sal	60	3	N	F	1124			

Forest Section Office
Ramakhali Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Harvest / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Privet Plot No	Remarks
934	Sal	70	3	H	F	1124			
935	Sal	60	3	H	F	1124			
936	Sal	120	5	D	F	1124			
937	Sal	120	5	D	F	1124			
938	Sal	50	2	H	F	1124			
939	Sal	190	8	H	F	1124			
940	Sal	90	6	H	F	1124			
941	Sal	120	5	H	F	1124			
942	Mahuda	140	2	H	F	1124			
943	Sal	70	3	H	F	1124			
944	Sal	80	3	H	F	1124			
945	Sal	120	3	H	F	1124			
946	Sal	100	3	H	F	1124			
947	Mahuda	100	2	H	F	1125			
948	Mahuda	40	2	H	F	1125			
949	Mahuda	40	3	H	F	1125			
950	Mahuda	80	3	H	F	1128			TBT
951	Mahuda	40	3	H	F	1128			TBT
952	Sal	90	4	H	F	1128			TBT
953	Sal	105	7	H	F	1128			
954	Sal	130	5	H	F	1128			
955	Sal	110	5	H	F	1128			
956	Sal	100	4	H	F	1128			
957	Mahuda	40	3	H	F	1128			
958	Sal	120	5	H	F	1128			TBT
959	Sal	122	5	H	F	1128			
960	Mango	60	5	H	F	1128			
961	Mango	130	2	H	F	1127			
Forest	Tree no : 885 -708=24, 729 -844 =116 , 926 -961 =36 Total -176			Non Forest 707 -728 =22				Total Tree	
								198	
	Below 30cm	40		Below 30cm		5		Belo 30 cm	45

Forest Section Office
Ramabari Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree enumeration for laying of Tailing,Water pipelines,Power & Communicable Cables from Beneficiation plant at Gelesai under Barsuan forest Section of Champua Range to Tailing Dam at Barsuan Under DFO Range of M/s.ArcelorMittal Nippon Steel India Limited in Dist-Keonjhar

CHAMPUA RANGE, Village- Lunagadia , F.S-JODA

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Det Non Forest Plot No.	Privet Plot No	Remarks
862	Mahula	190	2	N	N			6/148	
863	Sal	130	8	N	N			6/148	
864	Bahada	80	7	N	N			6/148	
865	Sal	120	6	N	F	6			
866	Sal	112	8	N	F	5			
867	Mahula	65	5	N	F	5			TBT
868	Sal	95	8	N	F	6			
869	Sal	90	5	N	F	6			
870	Sal	180	8	N	F	5			
871	Mahula	60	9	N	F	6			TBT
872	Sal	80	8	N	F	6			
873	Sal	190	6	N	F	6			
874	Sal	120	6	N	F	5			
875	Mango	220	2	N	F	6			
876	Jamu	80	2	N	F	6			
877	Sal	90	8	N	F	6			
878	Mahula	90	5	N	F	6			
879	Asnuna	80	5	N	F	6			
880	Chera	40	1	N	F	5			
881	Sal	90	8	N	F	5			
882	Sal	110	5	N	F	6			
883	Sal	60	2	N	F	6			
884	Sal	180	2	N	F	5			
885	Sal	140	8	N	F	6			
886	Sal	130	5	N	F	6			
887	Sal	120	5	N	F	6			
888	Mahula	120	5	N	F	6			
889	Sal	80	3	N	F	6			
890	Sal	120	5	N	F	5			
891	Sal	200	5	N	F	6			

Forest Section Officer
Ramedari Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Dalbergia	Forest/ Non-Forest	Plot No	Out Man Forest Plot No	Privat Plot No	Remarks
997	Sal	80	6	N	F	5			
998	Mango	280	2	N	F	6			
994	Sal	120	3	N	F	5			
995	Sal	88	5	N	F	6			
996	Jamun	60	2	D	F	5			
997	Mahua	40	3	N	F	6			
998	Mahua	53	3	N	F	5			TBT
999	Jamun	100	2	D	F	5			
1000	Bahada	60	3	N	F	6			
1001	Sal	70	5	N	F	5			
1002	Mahua	55	3	N	F	6			TBT
1003	Sal	60	5	N	F	5			
1004	Sal	62	5	N	F	6			
1005	Sal	80	2	D	F	5			
1006	Sal	70	5	N	F	6			
1007	Sal	80	5	N	F	6			
1008	Sal	70	5	N	F	6			
1009	Sal	70	5	N	F	5			
1010	Sal	80	5	N	F	6			
1011	Sal	70	5	N	F	6			
1012	Sal	85	5	N	F	5			
1013	Sal	70	3	N	F	6			
1014	Sal	60	5	N	F	6			
1015	Sal	60	5	N	F	6			
1016	Sal	85	6	N	F	5			
1017	Sal	60	5	N	F	6			
1018	Sal	60	6	N	F	5			
1019	Sal	70	5	N	F	6			
1020	Sal	70	5	N	F	6			
1021	Sal	65	5	N	F	6			
1022	Sal	60	6	N	F	5			
1023	Sal	60	5	D	F	6			
1024	Asana	60	3	N	F	6			TBT
1025	Sal	80	4	N	F	5			TBT
1026	Sal	70	6	N	F	6			

Forest Section Office
Ramshair Section

Asst. Conservator of Forest
DE, Champua Forest Divn.

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Govt Non Forest Plot No	Private Plot No	Remarks
1027	Jamu	80	2	D	F	6			
1028	Sal	60	5	N	F	6			
1029	Sal	120	3	N	F	6			
1030	Mahuda	80	5	N	F	5			
1031	Sal	80	6	N	F	5			TBT
1032	Mahuda	230	2	N	F	5			
1033	Dhaura	40	2	D	F	5			
1034	Mahuda	130	5	N	F	5			
1035	Sal	150	5	N	F	5			
1036	Bahada	200	3	N	N			29	
1037	Kusi	180	3	N	N			29	
1038	Peesa	120	9	N	N			30	
1039	Peesa	220	2	N	N			30	
1040	Mango	140	5	N	N			30	
1041	Mango	140	2	N	N			30	
1042	Mahuda	80	3	N	N			31	
1043	Mahuda	60	2	D	N			31	
1044	Mahuda	70	5	N	N			33	
1045	Mango	310	12	N	N			32	
1046	Bela	80	3	N	N			32	
1047	Peesa	130	2	N	N			32	
1048	Kusum	200	9	N	F	52/158			
1049	Jamu	450	3	N	F	76			
1050	Mahuda	130	4	N	F	76			
1051	Kendu	140	6	N	F	76			
1052	Sal	110	2	N	F	76			
1053	Sal	80	5	D	F	76			
1054	Sal	60	3	D	F	76			
1055	Sal	90	2	N	F	76			
1056	Sal	100	3	N	F	76			
1057	Sal	80	2	N	F	76			
1058	Mahuda	80	9	N	F	75			
1059	Sal	130	1	D	F	75			
1060	Sal	190	3	D	F	75			
1061	Sal	90	3	D	F	75			

Forest Section Officer
Rampahari Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Ort Mon Forest Plot No	Privat Plot No	Remarks
1062	Mahuda	100	2	N	F	79			
1063	Asana	90	3	N	F	78			
1064	Sal	110	5	N	F	85			
1065	Sal	90	3	N	F	85			
1066	Sal	120	8	D	F	85			
1067	Mahuda	85	3	D	F	84			
1068	Sal	90	3	D	F	84			
1069	Sal	90	5	N	F	84			
1070	Mango	150	3	N	F	84			
1071	Sal	150	3	N	F	84			
1072	Mahuda	80	2	N	F	84			
1073	Mahuda	90	2	D	F	84			
1074	Jamu	120	5	N	F	84			
1075	Mahuda	170	3	N	F	84			
1076	Mahuda	270	8	N	N		308		
1077	Mahuda	130	2	N	F	102			
1078	Sal	170	3	N	F	102			
1079	Mahuda	130	3	N	F	102			
1080	Piasasa	80	2	N	F	102			
1081	Mango	150	2	N	F	102			
1082	Mahuda	80	2	N	F	102			
1083	Kendu	90	2	D	F	102			
1084	Sal	70	8	N	N		156		
1085	Mahuda	70	2	N	F	142			
1086	Sal	150	8	N	F	142			
1087	Sal	240	2	N	F	142			
1088	Bhelia	130	2	D	F	142			
1089	Mahuda	140	2	N	F	142			
1090	Mahuda	80	3	D	F	142			
1091	Asana	120	5	N	F	142			
1092	Sal	120	8	N	F	142			
1093	Mahuda	150	3	N	F	141			
1094	Mahuda	300	2	N	F	141			
1095	Mahuda	90	2	N	F	141			
1096	Mahuda	390	2	D	F	139			

Forest Section Officer
Sonepur Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Ori Non Forest Plot No	Privet Plot No	Remarks
1007	Alnus	150	2	N	F	299			
Forest	Tree no : 963 – 1035 =73, 1078-1074 =27, 1076–1083 =8, 1085 - 1097 =13 Total -119			Non Forest - 962 –964 =3, 1036 – 1047 =12, 1075 ,1084 Total=17				Total Tree	
								136	
	Below 30cm		85	Below 30cm			0	Belo 30 cm	15

Forest Section Officer
Ramchari Section

Asst. Conservator of Forest
I/C, Chunpur Forest Range

Tree enumeration for laying of Tailing,Water pipelines,Power & Communicable Cables from densification plant at Gobuna under Ramabari Forest Section of Champua Range to Tailing dam at Sankuri Under BJP Range of M/s.Arcelormittal Nippon Steel India Limited in Dist-Keonjhar

CHAMPUA RANGE, Village- Kadia , P.S-KODA

Tree No.	Species	Girth in cm	Height in Mtr	Normal/ Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Priest Plot No	Remarks
1096	Mahuda	150	2	D	F	82			
1099	Dhaiz	340	3	D	F	83			
1100	Dhaiz	70	2	N	F	85			
1101	Jia	70	2	N	F	69			
1102	Dhaiz	50	2	D	F	85			
1103	Mahuda	330	2	N	F	85			
1104	Sal	50	5	N	F	85			
1105	Sal	40	3	N	F	84			TBT
1106	Sal	40	4	N	F	83			TBT
1107	Sal	40	4	N	F	80			TBT
1108	Sal	36	3	N	F	80			TBT
1109	Mahuda	130	2	N	F	80			TBT
1110	Mahuda	140	2	N	F	82			
1111	Asana	80	3	N	F	78			
1112	Asana	70	4	N	F	78			
1113	Asana	80	4	N	F	78			
1114	Sal	45	6	N	F	78			
1115	Sal	70	5	N	F	79			
1116	Sal	40	3	N	F	78			
1117	Sal	90	5	N	F	78			
1118	Sal	40	6	N	F	78			
1119	Sal	90	8	N	F	78			
1120	Sal	40	3	N	F	78			
1121	Sal	50	5	N	F	78			
1122	Sal	110	6	N	F	78			
1123	Sal	80	6	N	F	78			
1124	Sal	60	4	N	F	78			
1125	Sal	90	8	N	F	78			
1126	Asana	120	5	N	F	78			
1127	Sal	92	3	N	F	76			

Forest Section Office
Ramabari Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Civil Non Forest Plot No	Privet Plot No	Remarks
1128	Mahuda	130	5	N	F	76			
1129	Sal	120	5	N	F	76			
1130	Sal	35	3	D	F	76			
1131	Asana	40	3	N	F	76			
1132	Sal	50	4	N	F	76			
1133	Sal	80	5	N	F	76			
1134	Mahuda	80	1	N	F	76			
1135	Mahuda	140	3	N	F	76			
1136	Sal	80	2	N	F	76			
1137	Sal	80	5	N	F	76			
1138	Sal	40	4	N	F	76			
1139	Sal	130	8	N	F	76			
1140	Sal	38	2	D	F	76			
1141	Mahuda	50	2	N	F	76			
1142	Sal	40	4	N	F	76			
1143	Sal	40	2	N	F	76			
1144	Sal	40	3	N	F	76			
1145	Sal	40	6	N	F	76			
1146	Sal	40	4	N	F	76			
1147	Mahuda	95	2	N	F	76			
1148	Kusuma	130	2	N	F	76			
1149	Sal	40	2	D	F	76			
1150	Kusuma	40	2	D	F	76			
1151	Mahuda	41	1	N	F	76			
1152	Sal	40	3	N	F	76			
1153	Mahuda	40	5	N	F	76			
1154	Sal	40	1	D	F	76			
1155	Sal	80	3	D	F	76			
1156	Sal	40	2	N	F	76			
1157	Sal	55	5	N	F	76			
1158	Sal	40	1	D	F	76			
1159	Sal	35	2	D	F	76			
1160	Mahuda	40	2	D	F	76			
1161	Sal	42	1	D	F	76			
1162	Mango	100	2	N	F	76			

Forest Section Officer

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Cyl Nos Forest Plot No	Felled Plot No	Remarks
1163	Sal	40	2	N	F	76			
1164	Sal	40	2	N	F	76			
1165	Mango	40	1	D	F	76			
1166	Sal	35	2	D	F	76			
1167	Mango	150	2	N	F	76			
1168	Sal	180	3	N	F	76			
1169	Sal	240	3	D	F	76			
1170	Mahua	60	2	N	F	76			
1171	Asan	40	1	D	F	76			
1172	Mango	160	1	D	F	76			
1173	Mahua	140	3	N	F	76			
1174	Sal	40	1	D	F	76			
1175	Sal	40	3	D	F	76			
1176	Sal	180	2	N	F	76			
1177	Sal	60	2	N	F	76			
1178	Mahua	40	1	N	F	76			
1179	Kusum	200	3	N	F	76			
1180	Sal	120	3	N	F	76			
1181	Sal	200	3	N	F	76			
1182	Sal	40	2	D	F	76			
1183	Sal	40	3	N	F	76			
1184	Sal	180	3	N	F	76			
1185	Sal	100	3	N	F	76			
1186	Sal	90	2	N	F	76			
1187	Asan	80	3	N	F	76			
1188	Sal	200	3	D	F	76			
1189	Sal	130	3	N	F	76			
1190	Kusum	60	2	N	F	76			
1191	Sal	70	3	N	F	76			
1192	Asan	60	3	N	F	76			
1193	Mac	120	1	D	F	76			
1194	Mango	180	3	N	F	76			
1195	Mahua	300	3	D	F	76			
1196	Dhak	50	3	D	F	76			
1197	Asan	50	1	D	F	76			

Forest Section Office
Barrahat Sout

Asst. Conservator of F
Mt. Gladstone Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Dedun	Forest/ Non-Forest	Plot No	Ort Men Forest Plot No	Privat Plot No	Remarks
1198	Kusuma	50	1	D	F	75			
1199	Sal	110	8	N	F	75			
1200	Sal	50	3	N	F	75			
1201	Asuna	40	1	D	F	75			
1202	Kusuma	170	7	N	F	74			
1203	Asna	60	3	N	F	75			
1204	Asna	50	2	D	F	75			
1205	Sal	40	2	D	F	75			
1206	Asna	50	2	D	F	75			
1207	Jia	52	3	D	F	75			
1208	Jamu	80	5	N	F	75			
1209	Kusuma	80	8	N	F	72			
1210	Sal	60	3	D	F	72			
1211	Mango	170	2	N	F	100			
1212	Sal	160	1	D	F	105			
1213	Sal	70	5	N	F	105			
1214	Sal	80	3	N	F	105			
1215	Sal	40	3	N	F	105			
1216	Sal	40	2	D	F	105			
1217	Kalama	40	2	D	F	105			
1218	Sal	80	3	N	F	105			
1219	Sal	40	3	N	F	105			
1220	Sal	42	2	D	F	105			
1221	Sal	80	3	N	F	105			
1222	Mahula	50	2	D	F	105			
1223	Mahula	50	2	D	F	105			
1224	Arjuna	80	5	N	F	105			
1225	Sal	50	2	N	F	105			
1226	Sal	49	2	N	F	105			
1227	Sal	80	4	N	F	105			
1228	Karanja	70	2	D	F	105			
1229	Karanja	60	2	D	F	105			
1230	Karanja	70	2	D	F	105			
1231	Karanja	68	2	D	F	105			
1232	Jamu	65	3	N	F	105			

Forest Section Office
Bamebari Section

Asst. Conservator of Forest
Mt. Chimpu Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Ori New Forest Plot No	Privat Plot No	Remarks
1233	Karanja	50	1	N	F	104			
1234	Karanja	50	3	N	F	105			
1235	Karanja	40	3	N	F	106			
1236	Dhavi	120	3	D	F	106			
1237	Asana	40	1	D	F	106			
1238	Mahuda	50	3	N	F	106			
1239	Arjuna	40	1	N	F	106			
1240	Jamu	170	2	N	F	106			
1241	Mahuda	50	2	D	F	106			
1242	Mahuda	40	2	N	F	106			
1243	Mahuda	40	2	N	F	106			
1244	Sal	30	2	N	F	106			
1245	Kusuma	50	2	N	F	106			
1246	Kusuma	40	2	N	F	106			
1247	Mahuda	60	2	N	F	106			
1248	Mahuda	40	2	N	F	106			
1249	Bara	400	2	D	F	106			
1250	Karanja	80	2	D	F	106			
1251	Mahuaa	50	3	N	F	106			
1252	Arjuna	50	4	N	F	106			
1253	Asana	60	2	D	F	106			
1254	Sal	150	4	N	F	106			
1255	Dhaiia	60	2	D	F	106			
1256	Sal	60	3	N	F	106			
1257	Asana	40	2	D	F	106			
1258	Mahuda	60	2	N	F	106			
1259	Jamu	40	5	N	F	106			
1260	Mahuda	50	2	N	F	106			
1261	Sal	80	4	N	F	106			
1262	Mango	40	2	N	F	106			
1263	Mahuda	62	2	N	F	106			
1264	Sal	130	3	N	F	106			
1265	Mahuda	35	2	N	F	106			
1266	Mahuda	170	1	N	F	151			
1267	Asana	60	5	N	F	151			

Forest Section Officer

Asst. Conservator of Forest
I/C. Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Bhd Non Forest Plot No	Prinsi Plot No	Remarks
1268	Mahuda	62	2	N	F	161			
1269	Sal	160	5	N	F	361			
1270	Sal	50	5	N	F	161			
1271	Sal	40	3	N	F	161			
1272	Sal	50	5	N	F	361			
1273	Sal	40	3	N	F	161			
1274	Sal	50	8	N	F	361			
1275	Sal	50	5	N	F	161			
1276	Asjaru	30	3	D	F	161			
1277	Sidha	35	3	D	F	361			
1278	Mahuda	150	2	N	F	361			
1279	Sal	110	2	D	F	161			
1280	Asana	150	3	D	F	161			
1281	Chara	40	2	N	F	361			
1282	Mahuda	90	3	N	F	161			
1283	Sal	50	2	N	F	161			
1284	Mahuda	60	1	N	F	361			
1285	Asana	40	2	N	F	361			
1286	Mahuda	40	1	N	N			360	
1287	Asana	40	2	D	N			621	
1288	Asana	100	2	D	N			621	
1289	Asana	140	5	N	N			621	
1290	Asana	120	3	D	N			621	
1291	Asana	130	3	N	N			619	
1292	Asana	180	3	N	N			619	
1293	Asana	161	3	N	N			619	
1294	Mahuda	100	2	N	F	722			
1295	Kusuma	150	3	N	F	722			
1296	Kusuma	155	2	D	F	722			
1297	Kusuma	140	5	N	F	722			
1298	Mahuda	360	2	N	N			729	
1299	Mahuda	230	3	N	N			730	
1300	Jia	80	1	N	N			794	
1301	Asjaul	90	2	D	N			794	
1302	Asjaul	60	3	N	N			794	

Asst. Conservator of Forest
I/C, Chasmas Forest Range

Forest Section Office
Banashari Sectio...

Asst. Conservator of Forest
I/C, Chasmas Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Buttrd	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Priest Plot No	Remarks
1303	Ankal	65	2	N	N			795	
1304	Babadi	470	3	D	N			796	
1305	Mahuda	170	2	N	N			797	
1306	Kusuma	400	3	N	N			804	
1307	Nim	150	2	D	N			803	
1308	Sisso	70	1	D	N		909		
1309	Kusuma	590	2	D	N		908		
1310	Kusuma	190	2	N	N			777	
1311	Mango	490	2	N	N			776/1218	
1312	Kusuma	308	2	N	N			796	
1313	Mango	140	2	N	N		916		
1314	Kusuma	141	3	N	N		915		
1315	Asana	100	3	N	N		915		
1316	Asana	130	2	N	N		915		
1317	Sal	140	3	N	N		914		
1318	Asana	120	3	N	N		914		
1319	Babadi	120	3	N	N		914		
1320	Mahuda	130	2	D	N		914		
1321	Amala	80	1	D	N		914		
1322	Kusuma	180	2	D	N		914		
1323	Mahuda	80	2	N	N		919		
1324	Karanja	82	3	N	N		919		
1325	Karanja	100	2	D	N		911		
1326	Mahuda	70	3	N	N		913		
1327	Mahuda	108	1	N	N		910		
1328	Mango	308	2	N	N		919		
1329	Mahuda	95	3	N	N		920		
1330	Tentuli	60	1	N	N		910		
1331	Mahuda	130	2	N	N			904	
1332	Karanja	40	2	N	N			904	
1333	Kadam	90	2	N	N			903	
1334	Karanja	120	2	D	N			900	
1335	Kalari	60	2	N	F	902		905	
1336	Karanja	50	1	D	F	902			
1337	Asana	60	2	D	F	902			

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Officer

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Gui Nim Forest Plot No	Privat Plot No	Remarks
1338	Bahada	170	3	N	F	901			
1339	Mahuli	130	2	N	F	900			
1340	Kendu	80	3	D	F	905			
1341	Sal	70	2	D	F	895			
1342	Sal	80	5	N	F	895			
1343	Kusum	70	2	D	F	896			
1344	Sal	60	8	N	F	894			
1345	Asana	70	3	N	F	894			
1346	Asana	180	4	N	F	897			
1347	Mango	250	2	N	F	897			
1479	Asana	60	1	N	N		1082		
1480	Mahula	170	3	N	N		1084		
1481	Mahula	170	3	N	N		1084		
1482	Sal	90	2	D	N		1084		
1483	Sal	140	5	N	N		1085/1164		
1484	Bara	230	1	D	N		1085/1164		
1485	Sal	60	2	D	N		1085/1164		
1486	Teak	40	2	N	N			1085	
1487	Jir	48	1	N	N			1085	
1488	Sal	130	2	D	N			1085	
1489	Sal	100	2	N	N		1087		
Forest	Tree no : 1338 to 1345=108, 1294 to 1297=4, 1335 to 1347=13 Total 285			Non Forest 1286 to 1293=8, 1298 to 1334=37, 1479 to 1489=14, Total 56				Total Tree	
	Below 30cm	90		Below 30cm			0	251	
								Belo 30 cm	59

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Office
Gamaharl Section

Asst. Conservator of Forest
I/C, Champua Forest Range

Tree enumeration for laying of Tailing,Water pipelines,Power & Communicable Cables from beneficiation plant at dalbeta under barsuhari forest Junction of Chaupase Nanga to Tailing Dam at Sankari Under BP Range of M/s.Arcelor(Mittal Nippon Steel India Limited in Dist-Koraiphar

CHAMPUA RANGE , Village- Balatabahirpar Gaul Andharkharian , PS-JODA

Tree No.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Ori Non Forest Plot No	Privat Plot No	Remarks
1348	Sal	130	4	N	F	242			
1349	Mango	320	5	N	N			240	
1350	Mahuda	250	3	N	N			249	
1351	Mahua	270	2	D	N			248	
1352	Kusuma	260	3	N	N			246	
1353	Dhaki	280	3	D	N			247	
1354	Kusuma	250	1	N	N			250	
1355	Dhaki	240	5	N	N			250	
1356	Maha asana	220	2	D	N			251	
1357	Gambhari	70	3	N	N			251	
1358	Mahua	120	3	N	F	288/1161			
1359	Kusuma	400	2	N	F	288/1161			
1360	Mahua	150	5	N	F	288/1161			
1361	Mahua	140	3	N	F	288/1161			
1362	Mahua	110	3	N	F	288/1161			
1363	Kuhadi	50	2	D	F	288/1161			
1364	Sal	120	5	N	F	288/1161			
1365	Mahua	140	2	D	F	288/1161			
1366	Bahedi	80	2	D	F	288/1161			
1367	Kalbadi	60	3	D	F	288/1161			
1368	Harida	140	2	N	F	288/1161			
1369	Aonla	265	5	N	F	288/1161			
1370	Asana	80	5	N	F	288/1161			
1371	Kalbadi	80	3	D	F	288/1161			
1372	Kusuma	180	3	N	F	288/1161			
1373	Dhaki	105	3	D	N	856			
1374	Bahada	200	5	D	N			242	
1375	Kusuma	130	5	N	N			242	
1376	Kusuma	170	5	N	N			241	
1377	Mahula	270	1	D	N			241	
1378	Pasana	160	2	N	N			256	
								248	

Asst. Conservator of Forest Forest Section Office
I/C, Champua Forest Range Barsuhari Section

Asst. Conservator of F
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Side Forest Plot No	Privet Plot No	Remarks
1379	Mango	170	2	N	N				
1380	Mango	250	1	D	N			368	
1381	Mahuta	70	2	D	N			569	
1382	Mahuta	130	3	N	N			576/1256	
1383	Mahuta	119	4	N	N			576/1256	
1384	Sal	40	2	N	N			577	
1385	Kusum	200	2	N	N			577	
1386	Jamu	140	5	N	N			577	
1387	Jamu	179	5	D	N			578	
1388	Arjun	70	5	N	F	379			
1389	Mahuta	100	3	D	F	379			
1390	Mahuta	99	3	N	F	379			
1391	Mahuta	120	3	N	F	379			
1392	Mahuta	70	3	D	F	379			
1393	Mahuta	80	2	N	F	379			
1394	Misc	59	7	N	F	379			
1395	Sal	70	6	N	N			581	
1396	Sal	80	5	N	N			582	
1397	Sal	71	8	N	N			583	
1398	Sal	75	8	N	N			583	
1399	Mahuta	72	3	N	N			583	
1400	Sal	75	5	N	N			583	
1401	Sal	40	3	N	N			583	
1402	Mahuta	110	1	N	N			583	
1403	Sal	190	5	N	F	389		584	
1404	Chara	40	1	D	F	389			
1405	Mahuta	80	2	D	F	389			
1406	Asana	48	1	D	N			461	
1407	Asana	40	2	D	N			463	
1408	Asana	41	2	D	N			463	
1409	Mahuta	200	2	N	N			464	
1410	Jamu	50	5	N	N			465	
1411	Atanta	41	3	N	N			466	
1412	Jamu	50	5	N	N		465		
1413	Asana	45	2	N	N		466		

Asst. Conservator of Forests
I/C, Champua Forest Range

Forest Section Office
Banabari Section

Asst. Conservator of Forests
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Ort Non Forest Plot No	Forest Plot No	Remarks
1414	Sal	40	3	N	F		455		
1415	Sal	40	5	N	N		458		
1416	Sal	42	3	N	F	809			
1417	Jamu	180	5	N	F	809			
1418	Jamu	220	2	N	F	877			
1419	Bara	420	2	N	F	877			
1420	Arjun	60	3	N	F	877			
1421	Jamu	70	3	N	F	877			
1422	Jamu	60	3	N	F	877			
1423	Mac	58	3	N	F	877			
1424	Kendu	40	3	N	F	877			
1425	Mac	35	2	N	F	902			
1426	Jamu	40	2	N	F	902			
1427	Jamu	42	2	N	F	902			
1428	Jamu	48	1	N	F	902			
1429	Jamu	40	1	N	F	902			
1430	Dhaiti	90	3	D	F	902			
1431	Mango	35	1	N	F	902			
1432	Jamu	40	2	N	F	902			
1433	Mango	120	3	N	F	902			
1434	Mango	120	2	D	N			903	
1435	Mahua	110	2	D	N			905	
1436	Mahua	112	3	N	N			908	
1437	Mahua	90	6	N	N			906	
1438	Mahua	48	2	N	F	914/1886		906	
1439	Mahua	150	2	N	N				
1440	Kollari	58	2	N	N			915/1887	
1441	Bahada	220	3	N	F	914		915/1887	
1442	Gamhari	120	5	N	N				
1443	Mac	60	2	D	N			929	
1444	Pimara	58	1	N	F	876		929	
1445	Ankol	50	2	N	F	876			
1446	Ankol	38	3	N	F	876			
1447	Ankol	60	3	D	F	876			
1448	Ankol	70	2	D	F	876			

Asst. Conservator of Forest
I/C, Champua Forest Range

Forest Section Officer
Barabeti Section

Asst. Conservator of F
I/C, Champua Forest Range

Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Out Non Forest Plot No	Privet Plot No	Remarks
1449	Pangra	200	1	N	F	876			
1450	Pangra	270	2	N	N			930	
1451	Pangra	195	3	N	N			875/1244	
1452	Kollari	40	3	D	N			875/1244	
1453	Kollari	40	1	D	N			875/1244	
1454	Ankol	70	2	D	N			875/1244	
1455	Ankol	71	5	D	F		934		
1456	Kollari	40	1	D	F		934		
1457	Kollari	38	1	D	N			935	
1458	Pangra	35	2	N	N			935	
1459	Mitar	40	2	N	N			935	
1460	Mitar	320	5	N	F	987			
1461	Kollari	40	1	N	F	880			
1462	Kollari	38	1	N	F	886			
1463	Mango	480	1	N	F	885			
1464	Kanchi	320	5	N	F	886			
1465	Jamu	490	3	N	F	889			
1466	Mahuda	340	3	N	F	982			
1467	Jamu	320	3	N	N			997/1076	
1468	Jamu	130	5	N	N			995	
1469	Jamu	130	5	N	F	980			
1470	Asana	90	2	D	F	1000			
1471	Asana	90	3	N	F	980			
1472	Asana	80	2	N	F	979			
1473	Asana	82	2	N	F	1001			
1474	Asana	140	2	D	F	1001			
1475	Asana	150	2	D	F	1002			
1476	Asana	200	2	N	N			1014	
1477	Asana	90	1	N	N			1046	
1478	Jamu	190	1	N	N			1046	
Forest	Total 67			Total 64				Total Tree	
								131	
	Below 30cm		25	Below 30cm			0	Belo 30 cm	15

Asst. Conservator of Forests
I/C, Champua Forest Sub-Div.

Forest Section Officer

Asst. Conservator of Forests
I/C, Champua Forest Sub-Div.

OFFICE OF THE FOREST RANGE OFFICER:B.J.P. RANGE.
Email:forestrangerbjp@gmail.com
Memo No: 419/dt 02.02.2023

To

The Divisional Forest Officer,
Keonjhar Division

Sub: **Proposal diversion of 12.728 ha Forest land for laying of Tailing , water, Power & Communication Cables from Beneficiation plant at Duhuna under Barbil Tahasil to proposed Tailing Pond site at Vill- Sankhari under Banspal Tahasil of Keonjhar District (over 18.178 km) by M/s Arcelor Mittal Nippon Steel India Ltd (Formerly known as M/s Essar Steel India Ltd.)**

Ref: **Memo No. 1975 dt 28.02.2023**

Sir,

With reference to the memo on the captioned subject, I enclose and submit herewith the 06 sets of 100% trees enumeration list over 0.112 ha out of 12.728 ha diverted Forest area and 1.402 ha out of 9.291 ha Non-Forest land for laying of Tailing, Water, power & Communication Cable from Beneficiation Plant at Duhuna under Banspal Tahasil of Keonjhar District by M/s Arcelor Mittal Nippon Steel India Ltd. (Formerly known as M/s Essar Steel India Ltd.) after verified in the field.

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

Yours faithfully

For [illegible] Officer
[illegible] Range.

Encl: Enumeration list 6 sets

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Dubeda under Sanoshai Forest Section of Champua Range to Tailing Dam at Sanoshai under BJP Range of M/s. ArcelorMittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar.

BJP RANGE (FOREST AREA 6.112 Ha. NON-FOREST AREA 1.462 Ha.)

Sl. No.	Species	30 cm to 60cm		61 cm to 90cm		91 cm to 120cm		121 cm to 140cm		141 cm to 160cm		160 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
1	Asana	3	2	11	2	4	0	1	0	0	0	9	0	19	4	23
2	Bahada	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
3	Bara	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
4	Chara	7	1	3	1	7	0	1	1	0	0	0	0	19	3	21
5	Dhaura	1	1	0	1	0	1	0	0	0	0	0	0	1	3	4
6	Jamu	0	3	0	0	2	2	0	0	0	0	1	0	3	5	8
7	Jia	1	0	0	0	0	1	0	0	0	0	0	0	1	1	2
8	Kanchal	2	1	0	4	0	0	0	0	0	0	0	0	2	5	7
9	Kasi	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
10	Kendu	2	6	0	0	0	0	1	0	0	0	2	0	5	6	11
11	Kulhari	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
12	Kusuma	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
13	Mahula	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
14	Mango	0	0	0	0	2	0	0	0	1	0	0	0	3	0	3
15	Misc	1	4	2	1	3	0	0	0	0	0	0	0	6	5	11
16	Neem	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
17	Sal	81	3	36	25	18	14	2	2	0	0	0	0	160	46	206
TOTAL		109	21	116	35	36	18	5	3	2	0	4	0	269	78	341
BELOW 30Cm				176												

Matircani Beat Guard
I/C Kurumbi Beat

Forest Section Officer
Sanoshai

Range Officer
BJP Range

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Dulkusa under Sarubhal Forest Section of Champua Range to Tailing Dam at Sankail under BJP Range of M/s. ArcelorMittal Nippon Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar.

BJP RANGE (FOREST AREA 8.142 Ha.)

Sl. No	Species	30 cm to 60cm		60 cm to 90cm		90 cm to 110cm		120 cm to 140cm		150 cm to 170cm		180 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
1	Asana	0	0	0	1	1	0	0	0	0	0	0	0	1	1	2
4	Chara	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
17	Sal	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
TOTAL		2	0	0	1	2	0	0	0	0	0	0	0	4	1	5
BELOW 30Cm		4														

Malkangiri Division
M.C. Kumuthi Road

Forest Section Officer
Sankail

Range Officer
BJP Range

Abstract of Tree Enumeration for Laying of Tailing, Water Pipelines, Power & Communication Cables From Beneficiation Plant at Dubuna under Sambalpur Forest Section of Chiplima Range to Tailing Dam at Sankari under BJP Range of M/s. Aryan Ispat & Power Steel India Limited (Formerly known as Essar Steel India Limited) in Dist. Keonjhar.

BJP RANGE (NON-FOREST AREA 1.462 Ha.)

Sl. No.	Species	30 cm to 59cm		60 cm to 89cm		90 cm to 119cm		120 cm to 149cm		150 cm to 179cm		180 cm & Above		TOTAL		G.TOTAL
		Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
1	Asana	3	2	11	1	3	0	1	0	0	0	0	0	18	3	21
2	Kalkada	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
3	Bija	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4	Chara	7	1	3	1	6	0	1	1	0	0	0	0	17	3	20
5	Dhaba	1	1	0	1	0	1	0	0	0	0	0	0	1	3	4
6	Jamu	0	3	0	0	2	2	0	0	0	0	1	0	3	5	8
7	Jhi	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2
8	Kanaja	2	1	0	4	0	0	0	0	0	0	0	0	2	5	7
9	Kasi	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
10	Kendu	2	6	0	0	0	0	0	0	0	0	2	3	5	6	11
11	Kullari	0	0	0	1	0	0	1	0	0	0	0	0	0	1	1
12	Kusuma	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
13	Mahula	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1
14	Mango	0	0	0	0	2	0	0	0	1	0	0	0	3	0	3
15	Misc	1	4	2	1	3	0	0	0	0	0	0	0	6	5	11
16	Neema	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
17	Sal	79	3	86	20	16	14	2	2	0	0	0	0	197	45	242
TOTAL		98	31	110	30	34	18	6	3	2	0	4	0	259	77	336
BELOW 30Cm				178												

Malkangiri Division
I/C Kunduli Beat

Forest Section Officer
- Sunabeda

Range Officer
BJP Range

Tree enumeration for laying of Tailing,Water pipelines,Power & Communicatio Cables from Beneficiation plant at Asheora under Basantpur Forest Section of Champua Range to Tailing Dam at Sankari Under BJP Range of M/S.Arcelor Mittal Nippon Steel India Limited in Dist-Keonjhar

BJP RANGE Village -Phulbani P S-Nayakote

Sl No	Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Privet Plot No	Remarks
1	1490	Sal	80	2	D	N	342		
2	1491	Sal	195	5	N	N			
3	1492	Jamu	230	3	N	N		363	
4	1493	Kendu	60	1	D	N		362	
5	1494	Kendu	70	4	D	N		361	
6	1495	Kendu	40	4	D	N		361	
7	1496	Kendu	70	5	D	N		363	
8	1497	Kendu	60	4	D	N		361	
9	1498	Kendu	50	2	N	N		361	
10	1499	Kendu	40	1	N	N		361	
11	1500	Neem	80	1	N	N		361	
12	1501	Sal	120	6	N	F	1749		
13	1502	Chara	90	3	N	F	1749		
14	1503	Sal	90	5	N	F	1749		
15	1504	Asana	90	4	N	F	1749		
16	1505	Asana	80	1	D	F	1749		
17	1506	Sal	50	3	N	N		1742	
18	1507	Sal	80	5	N	N		1742	
19	1508	Sal	40	2	N	N		1742	
20	1509	Chara	110	2	N	N		1742	
21	1510	Asana	130	5	N	N		1742	
22	1511	Asana	120	2	N	N	1733		
23	1512	Asana	60	3	N	N	1733		
24	1513	Asana	70	2	D	N	1733		TBT
25	1514	Asana	60	5	N	N	1733		
26	1515	Asana	70	3	N	N	1733		TBT
27	1516	Kendu	170	3	N	N	1733		TBT
28	1517	Kendu	150	2	N	N	1733		
29	1518	Asana	40	2	N	N	1733		
30	1519	Mango	260	3	N	N	1733		
31	1520	Mango	100	1	N	N	1733		
32	1521	Asana	70	3	N	N	1733		
33	1522	Asana	70	5	N	N	1733		
34	1523	Asana	90	5	N	N	1733		
35	1524	Bata	170	5	N	N	1733		
36	1525	Asana	95	5	N	N	1733		
37	1526	Kendu	130	3	N	N	1733		
38	1527	Asana	80	5	N	N	1725		TBT
39	1528	Jamu	90	2	N	N	1733		

Mahimani Dandapat
RC Kamandi Beat

Forest Range Officer
BJP Range

Sl No	Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Priest Plot No	Remarks
40	1629	Mango	170	3	N	N	1733		
41	1630	Mahua	70	5	N	N	1733		
42	1631	Sal	110	9	N	N	1733		
43	1632	Sal	90	8	N	N	1733		
44	1633	Acacia	80	3	N	N	1733		
45	1634	Sal	70	8	N	N	1733		
46	1635	Sal	60	5	N	N	1733		
47	1636	Sal	80	8	N	N	1733		
48	1637	Sal	90	9	N	N	1731		
49	1638	Sal	40	4	N	N	1731		
50	1639	Sal	70	8	N	N	1732		
51	1640	Sal	80	6	N	N	1731		
52	1641	Sal	60	3	N	N	1732		
53	1642	Sal	80	5	N	N	1732		
54	1643	Sal	70	5	N	N	1732		
55	1644	Sal	90	8	N	N	1732		
56	1645	Sal	80	5	N	N	1732		
57	1646	Sal	70	8	N	N	1732		
58	1647	Kendu	40	2	N	N	1732		
59	1648	Kalame	80	2	D	N	1732		
60	1649	Sal	110	8	N	N	1732		
61	1650	Sal	80	7	N	N	1732		
62	1651	Sal	70	7	N	N	1725		
63	1652	Dhaiti	50	4	D	N	1725		
64	1653	Kendu	40	2	D	N	1725		
65	1654	Sal	100	5	N	N	1725		
66	1655	Sal	120	9	N	N	1725		
67	1648	Sal	80	8	N	N	1725		
68	1657	Sal	80	8	N	N	1725		
69	1658	Sal	140	9	N	N	1725		
70	1659	Sal	80	6	N	N	1725		
71	1660	Sal	80	8	N	N	1725		
72	1661	Sal	90	8	N	N	1725		
73	1662	Sal	50	3	N	N	1725		
74	1663	Sal	75	6	N	N	1725		
75	1664	Sal	60	5	N	N	1725		
76	1665	Sal	70	5	N	N	1725		
77	1666	Sal	70	8	N	N	1725		
78	1667	Sal	110	9	N	N	1725		
79	1668	Sal	92	8	N	N	1725		
80	1669	Sal	90	5	N	N	1725		
81	1670	Chara	40	2	N	N	1725		
82	1671	Sal	110	8	N	N	1725		
83	1672	Sal	80	6	N	N	1725		

Mahtoram Dutta
At Kumudi Gaon

Range Officer
Sukati

Range Officer
N.J.P. Hasimara

Sl No	Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Private Plot No	Remarks
84	1573	Sal	80	8	N	N	1725		
85	1574	Sal	80	7	N	N	1725		
86	1575	Sal	160	8	N	N	1725		
87	1576	Dhaida	130	2	D	N	1725		
88	1577	Sal	50	3	N	N	1725		
89	1578	Asaria	80	1	N	N	1725		
90	1579	Bahada	50	2	N	N	1725		
91	1580	Sal	60	3	N	N	1725		
92	1581	Sal	70	5	N	N	1725		
93	1582	Sal	80	3	N	N	1725		
94	1583	Sal	70	5	N	N	1725		
95	1584	Sal	72	5	N	N	1725		
96	1585	Sal	80	8	N	N	1725		
97	1586	Sal	70	6	N	N	1725		
98	1587	Sal	80	8	N	N	1725		
99	1588	Sal	70	5	N	N	1725		TBT
100	1589	Sal	50	3	D	N	1725		TBT
101	1590	Sal	60	4	N	N	1725		
102	1591	Kendu	40	3	D	N	1725		TBT
103	1592	Sal	50	3	N	N	1725		
104	1593	Sal	60	5	N	N	1725		
105	1594	Sal	60	5	N	N	1725		
106	1595	Sal	90	8	N	N	1725		
107	1596	Sal	100	6	N	N	1725		
108	1597	Sal	70	7	N	N	1725		
109	1598	Sal	80	3	D	N	1725		
110	1599	Sal	60	5	N	N	1725		
111	1600	Chiro	110	2	D	N	1725		
112	1601	Jamu	180	5	D	N	1725		
113	1602	Jamu	100	8	D	N	1725		
114	1603	Jamu	50	7	D	N	1725		
115	1604	Jamu	40	2	D	N	1725		
116	1605	Jamu	50	3	D	N	1725		
117	1606	Jamu	110	3	D	N	1725		
118	1607	Misc	80	8	N	N	1725		
119	1608	Sal	50	8	N	N	1725		
120	1609	Sal	60	5	N	N	1725		
121	1610	Misc	60	7	N	N	1725		
122	1611	Misc	100	5	N	N	1725		
123	1612	Misc	60	6	N	N	1725		
124	1613	Misc	30	2	N	N	1725		
125	1614	Kathal	70	3	D	N	1725		
126	1615	Asana	70	6	N	N	1725		
127	1616	Sal	80	8	N	N	1725		

Mohuran Singh
I/C Ramund Beat

Range Officer

Sl No	Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Privet Plot No	Remarks
128	1617	Sal	60	6	N	N	1725		
129	1618	Sal	80	5	N	N	1725		
130	1619	Sal	50	5	N	N	1725		
131	1620	Chara	60	2	N	N	1725		
132	1621	Sal	40	5	N	N	1725		
133	1622	Sal	40	5	N	N	1725		
134	1623	Sal	80	6	N	N	1725		
135	1624	Sal	70	5	N	N	1725		
136	1625	Sal	60	5	N	N	1725		
137	1626	Sal	90	5	N	N	1725		
138	1627	Sal	65	6	N	N	1725		
139	1628	Sal	70	7	N	N	1725		
140	1629	Sal	100	8	N	N	1725		
141	1630	Sal	80	5	N	N	1725		
142	1631	Miso	92	8	N	N	1725		
143	1632	Sal	60	5	N	N	1725		
144	1633	Kusum	180	5	N	N	1725		
145	1634	Sal	60	5	N	N	1725		
146	1635	Sal	80	6	N	N	1725		
147	1636	Nilgi	40	2	D	N	1725		
148	1637	Bandu	62	5	N	N	1725		
149	1638	Miso	90	2	D	N	1725		
150	1639	Miso	40	2	D	N	1725		
151	1640	Sal	80	5	N	N	1725		
152	1641	Ain	180	6	D	N	1725		
153	1642	Asana	62	8	N	N	1725		
154	1643	Miso	50	2	D	N	1725		
155	1644	Sal	95	8	N	N	1725		
156	1645	Sal	40	5	D	N	1725		
157	1646	Sal	50	5	N	N	1725		
158	1647	Sal	70	6	N	N	1725		
159	1648	Sal	70	8	N	N	1725		
160	1649	Chara	40	5	N	N	1725		
161	1650	Sal	62	4	D	N	1725		
162	1651	Sal	70	5	N	N	1725		
163	1652	Sal	72	5	N	N	1725		
164	1653	Sal	62	6	N	N	1725		
165	1654	Sal	60	8	N	N	1725		
166	1655	Sal	70	3	N	N	1725		
167	1656	Sal	50	4	N	N	1725		
168	1657	Sal	40	2	D	N	1725		
169	1658	Sal	41	3	D	N	1725		
170	1659	Sal	52	5	N	N	1725		
171	1660	Sal	70	6	N	N	1725		

Minutes' Dated 14 Kurseong Beat

Range Officer

Sl No	Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Privet Plot No	Remarks
172	1681	Sal	55	5	N	N	1725		
173	1682	Sal	60	5	N	N	1725		
174	1683	Sal	70	5	N	N	1725		
175	1684	Sal	71	5	N	N	1725		
176	1685	Sal	40	2	N	N	1724		
177	1686	Sal	65	6	N	N	1724		
178	1687	Sal	71	4	N	N	1724		
179	1688	Sal	61	3	D	N	1724		
180	1689	Sal	62	2	D	N	1724		
181	1670	Sal	50	1	D	N	1724		
182	1671	Chara	40	3	N	N	1724		
183	1672	Chara	36	2	N	N	1724		
184	1673	Sal	62	3	N	N	1724		
185	1674	Sal	40	4	N	N	1724		
186	1675	Sal	60	5	N	N	1724		
187	1676	Sal	69	5	N	N	1724		
188	1677	Sal	68	5	N	N	1724		
189	1678	Sal	68	5	N	N	1724		
190	1679	Sal	58	8	N	N	1724		
191	1680	Sal	60	5	N	N	1724		
192	1681	Sal	52	3	N	N	1724		
193	1682	Sal	50	8	N	N	1724		
194	1683	Sal	60	5	N	N	1724		
195	1684	Sal	65	6	N	N	1724		
196	1685	Sal	51	7	N	N	1724		
197	1686	Sal	70	8	N	N	1724		
198	1687	Sal	59	5	N	N	1724		
199	1688	Sal	62	8	N	N	1724		
200	1689	Sal	40	2	D	N	1724		
201	1690	Sal	70	8	N	N	1724		
202	1691	Sal	70	8	N	N	1724		
203	1692	Sal	65	5	D	N	1724		
204	1693	Sal	60	5	N	N	1724		
205	1694	Chara	40	3	N	N	1724		
206	1695	Sal	50	5	N	N	1724		
207	1696	Sal	40	5	N	N	1724		
208	1697	Sal	58	8	N	N	1724		
209	1698	Sal	70	8	N	N	1724		
210	1699	Sal	70	8	N	N	1724		
211	1700	Sal	60	2	N	N	1724		
212	1701	Sal	61	5	N	N	1724		
213	1702	Sal	58	5	N	N	1724		
214	1703	Sal	49	5	N	N	1724		
215	1704	Sal	45	5	D	N	1724		

Assistant Forest Officer
Range Forest Officer
Forest Section
Range

Sr No	Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Patwari Plot No	Remarks
216	1706	Sal	55	5	D	N	1724		
217	1709	Sal	52	5	D	N	1724		
218	1707	Sal	50	5	N	N	1724		
219	1708	Sal	61	5	N	N	1724		
220	1709	Sal	72	6	N	N	1724		
221	1710	Sal	40	3	D	N	1724		
222	1711	Sal	60	8	N	N	1724		
223	1712	Kendu	42	3	D	N	1724		
224	1713	Sal	50	5	N	N	1724		
225	1714	Sal	60	5	N	N	1724		
226	1715	Sal	90	3	N	N	1724		
227	1716	Sal	80	5	N	N	1724		
228	1717	Sal	62	8	N	N	1724		
229	1718	Sal	60	8	N	N	1724		
230	1719	Sal	70	8	D	N	1724		
231	1720	Sal	40	3	N	N	1724		
232	1721	Sal	70	8	N	N	1724		
233	1722	Sal	45	5	N	N	1724		
234	1723	Chara	40	3	N	N	1724		
235	1724	Chara	50	3	N	N	1724		
236	1725	Sal	65	8	N	N	1724		
237	1726	Sal	42	9	D	N	1724		
238	1727	Sal	45	5	N	N	1724		
239	1728	Sal	50	5	N	N	1724		
240	1729	Sal	52	9	N	N	1724		
241	1730	Sal	45	5	D	N	1724		
242	1731	Sal	70	8	N	N	1724		
243	1732	Sal	67	8	N	N	1724		
244	1733	Sal	62	5	N	N	1724		
245	1734	Sal	50	5	N	N	1724		
246	1735	Sal	55	3	D	N	1724		
247	1736	Sal	60	5	N	N	1724		
248	1737	Sal	70	5	N	N	1724		
249	1738	Dhaik	72	5	D	N	1724		
250	1739	sal	128	5	N	N	1724		
251	1740	sal	60	5	O	N	1724		
252	1741	sal	40	3	D	N	1724		
253	1742	sal	50	5	N	N	1724		
254	1743	sal	100	7	N	N	1724		
255	1744	Chara	120	5	O	N	1724		
256	1745	Sal	40	5	D	N	1724		
257	1746	Sal	50	5	N	N	1724		
258	1747	Sal	50	5	N	N	1724		
259	1748	Sal	35	3	D	N	1724		

Mohuan Range Office
HC Ramgarh (Sad)

Forest Range Officer
Sadar

Range Officer
B.J.P Range

Sl No	Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Privet Plot No	Remarks
230	1749	Sal	46	1	D	N	1724		
231	1750	Sal	80	8	N	N	1724		
263	1751	Dhaura	40	3	N	N	1724		
263	1752	Sal	41	3	D	N	1724		
264	1753	Sal	40	4	N	N	1754		
265	1754	Sal	40	2	N	N	1754		
266	1755	Sal	35	2	D	N	1754		
267	1756	Sal	40	5	N	N	1754		
268	1757	Sal	68	5	N	N	1754		
269	1758	Sal	62	8	D	N	1754		
270	1759	Sal	42	5	N	N	1754		
271	1760	Sal	41	5	N	N	1754		
272	1761	Sal	39	6	N	N	1754		
273	1762	Sal	50	4	N	N	1754		
274	1763	Sal	50	8	N	N	1754		
275	1764	Sal	70	7	N	N	1754		
276	1765	Sal	65	5	N	N	1754		
277	1766	Sal	42	7	N	N	1754		
278	1767	Sal	73	8	N	N	1754		
279	1768	Sal	35	5	N	N	1754		
280	1769	Asana	35	3	N	N	1754		
281	1770	Sal	80	8	D	N	1754		
282	1771	Sal	40	5	N	N	1754		
283	1772	Sal	41	3	N	N	1754		
284	1773	Sal	45	5	D	N	1754		
285	1774	Chara	85	5	N	N	1754		
286	1775	Sal	73	8	N	N	1754		
287	1776	Sal	75	5	N	N	1754		
288	1777	Asana	70	8	N	N	1754		
289	1778	Sal	73	8	N	N	1754		
290	1779	Chara	46	4	N	N	1754		
291	1780	Chara	38	4	N	N	1754		
292	1781	Sal	80	5	N	N	1754		
293	1782	Sal	90	8	N	N	1754		
294	1783	Sal	40	5	D	N	1754		
295	1784	Chara	43	2	N	N	1754		
296	1785	Kasi	42	2	N	N	1754		
297	1786	Sal	50	5	N	N	1754		
298	1787	Sal	60	2	N	N	1754		
299	1788	Sal	52	5	N	N	1754		
300	1789	Sal	70	7	N	N	1754		
301	1790	Sal	200	8	N	N	1754		
302	1791	Sal	50	8	N	N	1754		
303	1792	Sal	52	5	N	N	1754		

Mixtures Dodda
Inc Lantana Bush

Forest Section Officer
Bhadra

Sl No	Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot No	Pahal Plot No	Remarks
304	1793	Sal	82	5	D	N	1754		
305	1794	Chara	50	5	N	N	1754		
306	1795	Chara	40	3	N	N	1754		
307	1796	Sal	40	3	D	N	1754		
308	1797	Sal	60	3	D	N	1754		
309	1798	Asana	60	3	N	N	1754		
310	1799	Sal	100	5	N	N	1754		
311	1800	Sal	200	3	N	N	1754		
312	1801	Sal	300	3	D	N	1754		
313	1802	Asana	46	2	D	N	1754		
314	1803	Sal	42	3	D.	N	1754		
315	1804	Sal	180	5	N	N	1754		
316	1805	Sal	90	8	N	N	1754		
317	1806	Sal	68	3	N	N	1754		
318	1807	Sal	100	5	N	N	1754		
319	1808	Sal	38	2	D	N	1754		
320	1809	Sal	70	1	D	N	1754		
321	1810	Chara	70	1	N	N	1754		
322	1811	Kendu	40	3	N	N	1754		
323	1812	Sal	50	1	D	N	1754		
324	1813	Sal	70	1	D	N	1754		
325	1814	Chara	60	1	D	N	1754		
326	1815	Sal	90	2	D	N	1754		
327	1816	Chara	50	2	N	N	1754		
328	1817	Sal	40	2	N	N	1754		
329	1818	Kendu	42	2	D	N	1754		
330	1819	Sal	40	2	N	N	1754		
331	1820	Sal	180	2	D	N	1754		
332	1821	Sal	90	2	D	N	1754		
333	1822	Sal	205	2	D	N	1754		

Forest	Tree no : 1501 to 1505 - nil		Non Forest 1490 to 1500 ,1506 to 1822 =328		Total Tree	
	Below 30cm	0	Below 30cm	178	333	
					Belo 30 cm	178

Mukteswar Das
HC Ranna Beat

Forest Section Officer
Sukrali

Range Officer
B.J.P Range

Tree enumeration for laying of Tailing,Water pipelines,Power & Communicatio Cables from Beneficiation plant to dalsora under bamebari forest Section of Champua Range to Tailing Dam at Sankari Under BJP Range of M/S.Arcelor&Mittal Nippon Steel India Limited in Dist-Keonjhar

BJP RANGE Village -Sankari P.S-Hatadiha

Sl. No	Tree no.	Species	Girth in cm	Height in Mtr	Normal / Defect	Forest/ Non-Forest	Plot no	Privet Plot No	Remarks
334	1823	Asana	90	2	D	N	149		
335	1824	Sal	70	2	D	N	148		
336	1825	Sal	60	2	D	N	149		
337	1826	Sal	60	3	N	N	148		
338	1827	Kendu	90	5	D	N	143		
339	1828	Sal	60	2	D	N	143		
340	1829	Sal	55	2	D	N	143		
341	1830	Sal	70	1	N	N	143		
Forest	Tree no : 0			New Forest 1823 to 1830 = 8				Total Tree	
	Below 50cm		0	Below 30cm			5	Bet 30 cm	5

Mricani Dehuri
IC Kumundi Beat

Forest Section Officer
- Sukati

Range Officer
B.J.P Range

ANNEXURE - V

FORM NO.I
(for linear projects)
Government of Odisha
Office of the District Collector, Keonjhar

No 1521 /Rev. Dt 26.09.21

TO WHOMSOEVER IT MAY CONCERN

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11-9/98-FC(Pt) dt 3rd August, 2009 wherein the MoEF issued guidelines 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' for short) 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 12.728 hectares of forest land proposed to be diverted in favour of M/s Essar Steel India Ltd. for laying of Tailing & Water Pipelines,Power & communication cable from Beneficiation plant at Daburu under Barbil Tahasil to the proposed Tailing Pond at Sankan under Banspal Tahasill in the District of Keonjhar falls within jurisdiction of Naibaga, Nayagarh, Patsahukudar, Dhanajaypur, Lunagadia,Kasia & Balabhadrapur villages under Ghumpura Tahasil and in village-Foljhar under Keonjhar 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 12.728 hectares of forest land proposed for diversion. A copy of records of all consultations and meetings of SDLCs and DLC are enclosed as annexure-I to IV

(c) No such facilities managed by Government requiring diversion of forest land u/s 3(2) of Forest Rights Act, 2006 exist over the forest land proposed for diversion

(d) the proposal does not involve recognized rights of Primitive Tribal Groups and Pre-agricultural communities

Collector, Keonjhar

Memo No 1522 /Rev Dt. 26.09.21

Copy alongwith its enclosures(Annexure-I to Annexure-IV) forwarded to the D.F.O., Keonjhar Division, Keonjhar for information and necessary action

Addl.District Magistrate
Keonjhar

Annexure - V1

Pillar No	UTM Co-ordinates		Geographic Co-ordinates	
	Easting	Northing	Longitude	Latitude
RF-1	335068.626	2415190.077	E85°24'14.98814"	N21°49'58.57635"
RF-2	335088.346	2415164.958	E85°24'15.6839"	N21°49'57.76631"
RF-3	335096.672	2415165.935	E85°24'15.97349"	N21°49'57.80087"
RF-4	335102.360	2415151.809	E85°24'16.17662"	N21°49'57.34352"
RF-5	335111.082	2415129.165	E85°24'16.48852"	N21°49'56.61024"
RF-6	335116.573	2415096.553	E85°24'16.69149"	N21°49'55.55178"
RF-7	335127.104	2415005.600	E85°24'17.91012"	N21°49'52.59823"
RF-8	335133.354	2414935.408	E85°24'17.33396"	N21°49'50.31824"
RF-9	335133.675	2414871.941	E85°24'17.36804"	N21°49'48.25488"
RF-10	335130.983	2414800.965	E85°24'17.2999"	N21°49'45.94637"
RF-11	335132.337	2414763.068	E85°24'17.36069"	N21°49'44.71468"
RF-12	335130.494	2414752.933	E85°24'17.30019"	N21°49'44.38456"
RF-13	335138.571	2414704.475	E85°24'17.59889"	N21°49'42.81179"
RF-14	335138.914	2414670.784	E85°24'17.62300"	N21°49'41.71654"
RF-15	335210.462	2414604.149	E85°24'20.13841"	N21°49'39.57415"
RF-16	335213.120	2414603.052	E85°24'20.23136"	N21°49'39.53937"
RF-17	335200.809	2414596.604	E85°24'19.80501"	N21°49'39.3256"
RF-18	335122.042	2414663.519	E85°24'17.38108"	N21°49'41.47463"
RF-19	335121.587	2414702.971	E85°24'17.8031"	N21°49'42.75716"
RF-20	335113.239	2414753.060	E85°24'16.69927"	N21°49'44.38288"
RF-21	335115.282	2414764.299	E85°24'16.76638"	N21°49'44.74897"
RF-22	335113.972	2414800.984	E85°24'16.70752"	N21°49'45.94125"
RF-23	335116.674	2414872.221	E85°24'16.77591"	N21°49'48.25823"
RF-24	335116.358	2414934.610	E85°24'16.74241"	N21°49'50.28656"
RF-25	335110.191	2415003.868	E85°24'16.50269"	N21°49'52.53623"
RF-26	335099.736	2415094.162	E85°24'16.10605"	N21°49'55.46839"
RF-27	335094.602	2415124.653	E85°24'15.91629"	N21°49'56.458"
RF-28	335086.542	2415145.579	E85°24'15.62806"	N21°49'57.13564"

ArcelorMittal Nippon Steel India Ltd.

Authorised Signatory

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Sheet I

Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-1				
Naibaga_S5	1	335242.803	2415938.365	85°24'20.783668"	21°50'22.963642"
Naibaga_S5	2	335238.753	2415932.624	85°24'20.644704"	21°50'22.775635"
Naibaga_S5	3	335254.822	2415933.002	85°24'21.204140"	21°50'22.793336"
Naibaga_S5	4	335200.031	2415864.635	85°24'19.320763"	21°50'20.552096"
Naibaga_S5	5	335189.237	2415869.830	85°24'18.942980"	21°50'20.717365"
Naibaga_S5	6	335183.799	2415871.484	85°24'18.753001"	21°50'20.769322"
Naibaga_S5	7	335237.325	2415939.017	85°24'20.592865"	21°50'22.983001"
	Patch-2				
Naibaga_S5	8	335081.920	2415688.124	85°24'14.574878"	21°50'14.766807"
Naibaga_S5	9	335051.874	2415694.834	85°24'14.222612"	21°50'14.981553"
Naibaga_S5	10	335100.475	2415758.795	85°24'15.892023"	21°50'17.77452"
Naibaga_S5	11	335136.974	2415804.334	85°24'17.146595"	21°50'18.570343"
Naibaga_S5	12	335174.877	2415850.578	85°24'18.449864"	21°50'20.66820"
Naibaga_S5	13	335184.506	2415844.630	85°24'18.787310"	21°50'19.896479"
Naibaga_S5	14	335152.968	2415804.355	85°24'17.703591"	21°50'18.576403"
	Patch-3				
Naibaga_S5	15	335078.259	2415180.708	85°24'15.326973"	21°49'58.274965"
Naibaga_S5	16	335061.848	2415219.684	85°24'14.741438"	21°49'59.536647"
Naibaga_S5	17	335042.281	2415260.238	85°24'14.45432"	21°50'00.848569"
Naibaga_S5	18	335018.296	2415293.691	85°24'13.198126"	21°50'01.926133"
Naibaga_S5	19	335013.089	2415304.264	85°24'13.12976"	21°50'02.270115"
Naibaga_S5	20	335003.463	2415330.616	85°24'12.668271"	21°50'03.123849"
Naibaga_S5	21	334999.273	2415349.675	85°24'12.515470"	21°50'03.741875"
Naibaga_S5	22	335014.544	2415334.593	85°24'13.52689"	21°50'03.256895"
Naibaga_S5	23	335026.893	2415302.685	85°24'13.494234"	21°50'02.223423"
Naibaga_S5	24	335054.158	2415263.768	85°24'14.457740"	21°50'00.967353"
Naibaga_S5	25	335081.384	2415203.809	85°24'15.427391"	21°49'59.30361"
	Patch-4				
Naibaga_S5	26	335350.552	2414533.345	85°24'25.42002"	21°49'37.318231"
Naibaga_S5	27	335200.809	2414596.604	85°24'19.805006"	21°49'39.326599"
Naibaga_S5	28	335211.005	2414601.944	85°24'20.158089"	21°49'39.502634"
Naibaga_S5	29	335215.749	2414601.967	85°24'20.323300"	21°49'39.504977"
Naibaga_S5	30	335352.413	2414545.558	85°24'25.102411"	21°49'37.716957"
Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-5				
Naibaga_S4	31	335352.413	2414545.558	85°24'25.102411"	21°49'37.716957"
Naibaga_S4	32	335406.460	2414523.696	85°24'26.992251"	21°49'37.24308"
Naibaga_S4	33	335407.100	2414525.435	85°24'27.19899"	21°49'37.81068"
Naibaga_S4	34	335441.533	2414512.099	85°24'28.217710"	21°49'36.859052"
Naibaga_S4	35	335440.524	2414509.967	85°24'28.183314"	21°49'36.589400"
Naibaga_S4	36	335484.437	2414484.098	85°24'29.721735"	21°49'35.763100"
Naibaga_S4	37	335479.021	2414473.266	85°24'29.537042"	21°49'35.409104"
Naibaga_S4	38	335432.798	2414500.469	85°24'27.917717"	21°49'36.277994"
Naibaga_S4	39	335430.057	2414495.096	85°24'27.824207"	21°49'36.102392"
Naibaga_S4	40	335399.308	2414507.003	85°24'26.749219"	21°49'36.479190"
Naibaga_S4	41	335401.334	2414511.583	85°24'26.818107"	21°49'36.628786"
Naibaga_S4	42	335350.556	2414533.343	85°24'25.42145"	21°49'37.319177"

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	Patch-6				
Naibaga_S4	43	335700.053	2414353.617	85°24'37.276567"	21°49'31.593199"
Naibaga_S4	44	335722.604	2414349.221	85°24'38.63385"	21°49'31.457851"
Naibaga_S4	45	335765.386	2414351.185	85°24'39.552410"	21°49'31.536050"
Naibaga_S4	46	335822.451	2414344.002	85°24'41.542002"	21°49'31.321648"
Naibaga_S4	47	335854.519	2414333.251	85°24'42.662512"	21°49'30.982829"
Naibaga_S4	48	335883.657	2414337.683	85°24'44.23729"	21°49'31.140067"
Naibaga_S4	49	335914.333	2414322.060	85°24'44.749275"	21°49'30.639023"
Naibaga_S4	50	335968.259	2414182.850	85°24'46.676959"	21°49'26.131028"
Naibaga_S4	51	335955.533	2414182.981	85°24'46.233775"	21°49'26.131014"
Naibaga_S4	52	335904.166	2414314.701	85°24'44.397915"	21°49'30.396373"
Naibaga_S4	53	335890.246	2414325.220	85°24'43.909418"	21°49'30.733717"
Naibaga_S4	54	335853.227	2414321.028	85°24'42.621891"	21°49'30.584991"
Naibaga_S4	55	335819.766	2414332.245	85°24'41.452801"	21°49'30.938499"
Naibaga_S4	56	335784.909	2414339.151	85°24'39.540099"	21°49'31.144615"
Naibaga_S4	57	335721.716	2414337.168	85°24'38.36868"	21°49'31.85571"
Naibaga_S4	58	335696.925	2414342.118	85°24'37.150863"	21°49'31.218082"
Naibaga_S4	59	335677.841	2414350.696	85°24'36.504185"	21°49'31.490786"
Naibaga_S4	60	335617.676	2414391.668	85°24'34.394456"	21°49'32.802691"
Naibaga_S4	61	335556.503	2414427.668	85°24'32.251435"	21°49'33.952612"
Naibaga_S4	62	335552.690	2414443.692	85°24'32.112830"	21°49'34.476807"
Naibaga_S4	63	335623.774	2414402.018	85°24'34.603074"	21°49'33.141243"
Naibaga_S4	64	335685.783	2414361.168	85°24'36.707348"	21°49'31.833232"
Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-7				
Naibaga_S9	65	336217.388	2413951.030	85°24'55.434666"	21°49'18.677308"
Naibaga_S9	66	336248.278	2413930.632	85°24'56.517582"	21°49'18.30936"
Naibaga_S9	67	336249.738	2413932.864	85°24'56.567697"	21°49'18.97498"
Naibaga_S9	68	336282.100	2413911.706	85°24'57.702086"	21°49'17.420399"
Naibaga_S9	69	336327.422	2413902.115	85°24'59.283644"	21°49'17.123727"
Naibaga_S9	70	336367.636	2413893.606	85°25'00.688927"	21°49'16.860492"
Naibaga_S9	71	336424.641	2413883.589	85°25'02.675413"	21°49'16.553875"
Naibaga_S9	72	336460.218	2413877.938	85°25'03.916433"	21°49'16.382510"
Naibaga_S9	73	336461.366	2413883.254	85°25'03.954276"	21°49'16.555241"
Naibaga_S9	74	336512.324	2413874.915	85°25'05.731829"	21°49'16.281599"
Naibaga_S9	75	336511.269	2413868.403	85°25'05.697205"	21°49'16.89209"
Naibaga_S9	76	336543.949	2413862.675	85°25'06.837166"	21°49'15.913717"
Naibaga_S9	77	336543.517	2413860.213	85°25'06.823005"	21°49'15.833513"
Naibaga_S9	78	336576.245	2413854.471	85°25'07.964830"	21°49'15.657763"
Naibaga_S9	79	336586.387	2413838.694	85°25'08.323429"	21°49'15.148165"
Naibaga_S9	80	336643.761	2413802.970	85°25'10.333938"	21°49'14.5843"
Naibaga_S9	81	336698.564	2413780.390	85°25'12.250229"	21°49'13.269983"
Naibaga_S9	82	336699.517	2413782.702	85°25'12.282565"	21°49'13.365454"
Naibaga_S9	83	336703.008	2413781.263	85°25'12.404648"	21°49'13.319848"
Naibaga_S9	84	336706.076	2413768.949	85°25'12.516566"	21°49'12.855457"
Naibaga_S9	85	336694.945	2413771.807	85°25'12.127352"	21°49'13.3196"
Naibaga_S9	86	336695.898	2413773.918	85°25'12.159688"	21°49'13.78667"
Naibaga_S9	87	336640.556	2413796.720	85°25'10.224561"	21°49'13.801563"
Naibaga_S9	88	336581.350	2413833.584	85°25'08.149877"	21°49'14.980367"
Naibaga_S9	89	336572.015	2413848.106	85°25'07.819617"	21°49'15.449414"

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Naibaga_S9	90	336542.307	2413853.318	85°25'06.783353"	21°49'15.608944"
Naibaga_S9	91	336541.875	2413850.856	85°25'06.769191"	21°49'15.528741"
Naibaga_S9	92	336509.195	2413856.589	85°25'05.628230"	21°49'15.704233"
Naibaga_S9	93	336508.258	2413850.661	85°25'05.598709"	21°49'15.511212"
Naibaga_S9	94	336458.346	2413859.417	85°25'03.857670"	21°49'15.779233"
Naibaga_S9	95	336459.409	2413865.323	85°25'03.892572"	21°49'15.971580"
Naibaga_S9	96	336425.449	2413871.280	85°25'02.707961"	21°49'16.153940"
Naibaga_S9	97	336397.363	2413876.207	85°25'01.728243"	21°49'16.304756"
Naibaga_S9	98	336396.169	2413870.325	85°25'01.688780"	21°49'16.113111"
Naibaga_S9	99	336364.239	2413875.927	85°25'00.574981"	21°49'16.284566"
Naibaga_S9	100	336365.358	2413881.822	85°25'00.611808"	21°49'16.476616"
Naibaga_S9	101	336324.689	2413890.411	85°24'59.192659"	21°49'16.742281"
Naibaga_S8	102	336277.497	2413900.378	85°24'57.545892"	21°49'17.50550"
Naibaga_S8	103	336242.607	2413923.190	85°24'56.322836"	21°49'17.760573"
Naibaga_S8	104	336243.899	2413925.332	85°24'56.367056"	21°49'17.850647"
Naibaga_S8	105	336213.263	2413945.362	85°24'55.293156"	21°49'18.491643"
Naibaga_S8	106	336171.246	2413979.239	85°24'53.816000"	21°49'19.579017"
Naibaga_S8	107	336169.503	2413977.433	85°24'53.757937"	21°49'19.519726"
Naibaga_S8	108	336099.810	2414033.624	85°24'51.311104"	21°49'21.323325"
Naibaga_S8	109	336053.069	2414067.169	85°24'49.671540"	21°49'22.398307"
Naibaga_S8	110	335995.521	2414108.469	85°24'47.652691"	21°49'23.721819"
Naibaga_S8	111	335975.412	2414131.577	85°24'46.944409"	21°49'24.466381"
Naibaga_S8	112	335965.504	2414153.609	85°24'46.591456"	21°49'25.185902"
Naibaga_S8	113	335955.539	2414182.981	85°24'46.233775"	21°49'26.131014"
Naibaga_S8	114	335968.259	2414182.650	85°24'46.676959"	21°49'26.131028"
Naibaga_S8	115	335976.865	2414158.201	85°24'46.979189"	21°49'25.332435"
Naibaga_S8	116	335985.842	2414138.100	85°24'47.298296"	21°49'24.681909"
Naibaga_S8	117	336003.854	2414117.402	85°24'47.932903"	21°49'24.14985"
Naibaga_S8	118	336063.086	2414074.750	85°24'50.17608"	21°49'22.648163"
Naibaga_S9	119	336107.080	2414043.177	85°24'51.560824"	21°49'21.636354"
Naibaga_S9	120	336181.722	2413982.996	85°24'54.181421"	21°49'19.704668"
Naibaga_S9	121	336180.123	2413981.074	85°24'54.126424"	21°49'19.641645"
Village Name	**Pillar No**	**UTM Coordinates**		**Geo-graphic Coordinates**	
		Easting	**Northing**	**Longitude**	**Latitude**
	Patch-8				
Nayagada_S4	122	337332.356	2413456.227	85°25'34.433826"	21°49'02.961376"
Nayagada_S4	123	337319.464	2413452.336	85°25'33.986451"	21°49'02.830826"
Nayagada_S4	124	337229.221	2413546.547	85°25'30.810729"	21°49'05.863656"
Nayagada_S4	125	336989.949	2413667.851	85°25'22.436269"	21°49'09.728038"
Nayagada_S4	126	336856.479	2413676.851	85°25'17.785643"	21°49'09.979496"
Nayagada_S4	127	336706.076	2413766.949	85°25'12.516566"	21°49'12.855457"
Nayagada_S4	128	336703.008	2413781.263	85°25'12.404848"	21°49'13.319848"
Nayagada_S4	129	336712.362	2413777.409	85°25'12.731730"	21°49'13.197660"
Nayagada_S4	130	336860.176	2413668.727	85°25'17.910184"	21°49'10.363589"
Nayagada_S4	131	336993.200	2413679.657	85°25'22.545234"	21°49'10.112973"
Nayagada_S4	132	337236.471	2413558.325	85°25'31.59714"	21°49'06.183979"
Village Name	**Pillar No**	**UTM Coordinates**		**Geo-graphic Coordinates**	
		Easting	**Northing**	**Longitude**	**Latitude**
	Patch-9				
Nayagada_S8	133	337411.578	2413376.215	85°25'37.220827"	21°49'00.386246"
Nayagada_S8	134	337382.137	2413388.468	85°25'36.191346"	21°49'00.774853"

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Nayagada_S8	135	337353.565	2413416.743	85°25'35.166440"	21°49'01.684674"
Nayagada_S8	136	337353.894	2413433.952	85°25'35.184618"	21°49'02.244214"
	Patch-10				
Nayagada_S8	137	337478.171	2413300.309	85°25'39.566480"	21°48'57.940416"
Nayagada_S8	138	337471.140	2413286.762	85°25'39.325395"	21°48'57.595156"
Nayagada_S8	139	337462.291	2413301.399	85°25'39.13153"	21°48'57.970583"
Nayagada_S8	140	337468.955	2413312.439	85°25'39.241285"	21°48'58.331718"
Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-11				
Patuakudar_S1	141	337643.239	2413099.805	85°25'45.385070"	21°48'51.476167"
Patuakudar_S1	142	337556.784	2413192.225	85°25'42.411687"	21°48'54.453012"
Patuakudar_S1	143	337515.720	2413239.344	85°25'40.895526"	21°48'55.970728"
Patuakudar_S1	144	337523.958	2413248.096	85°25'41.179594"	21°48'56.258008"
Patuakudar_S1	145	337555.739	2413213.346	85°25'42.298159"	21°48'55.138714"
Patuakudar_S1	146	337635.554	2413126.003	85°25'45.108207"	21°48'52.325401"
	Patch-12				
Patuakudar_S1	147	337669.330	2413078.980	85°25'46.300905"	21°48'50.807720"
Patuakudar_S1	148	337667.332	2413073.440	85°25'46.233303"	21°48'50.626936"
Patuakudar_S1	149	337656.876	2413084.882	85°25'45.885186"	21°48'50.995486"
	Patch-13				
Patuakudar_S1	150	337911.310	2412864.380	85°25'54.802243"	21°48'43.910533"
Patuakudar_S1	151	337869.681	2412887.106	85°25'53.344092"	21°48'44.635654"
Patuakudar_S1	152	337807.618	2412927.330	85°25'51.169626"	21°48'45.922928"
Patuakudar_S1	153	337744.104	2412991.142	85°25'48.935549"	21°48'47.976607"
Patuakudar_S1	154	337767.491	2412984.655	85°25'49.752148"	21°48'47.773461"
Patuakudar_S1	155	337815.220	2412936.703	85°25'51.430993"	21°48'46.230177"
Patuakudar_S1	156	337875.608	2412897.422	85°25'53.554456"	21°48'44.973096"
Patuakudar_S1	157	337915.469	2412875.780	85°25'54.943037"	21°48'44.282572"
	Patch-14				
Patuakudar_S1	158	338045.219	2412804.980	85°25'59.485698"	21°48'42.23526"
Patuakudar_S1	159	338029.244	2412805.931	85°25'58.929157"	21°48'42.49190"
Patuakudar_S1	160	338023.869	2412802.959	85°25'58.743064"	21°48'41.950783"
Patuakudar_S1	161	337971.377	2412831.603	85°25'56.905274"	21°48'42.864712"
Patuakudar_S1	162	337976.471	2412842.493	85°25'57.78781"	21°48'43.220483"
Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-15				
Patuakudra_S2	163	338061.554	2412796.066	85°26'00.57618"	21°48'41.739109"
Patuakudra_S2	164	338056.952	2412784.907	85°25'59.901325"	21°48'41.374778"
Patuakudra_S2	165	338023.869	2412802.959	85°25'58.743064"	21°48'41.950783"
Patuakudra_S2	166	338029.244	2412805.931	85°25'58.929157"	21°48'42.49190"
Patuakudra_S2	167	338045.219	2412804.980	85°25'59.485698"	21°48'42.23526"
	Patch-16				
Patuakudra_S2	168	338125.637	2412760.748	85°26'02.301320"	21°48'40.612001"
Patuakudra_S2	169	338146.179	2412748.343	85°26'03.20938"	21°48'40.215439"
Patuakudra_S2	170	338145.019	2412735.024	85°26'02.985277"	21°48'39.782038"
Patuakudra_S2	171	338111.470	2412755.158	85°26'01.810059"	21°48'40.425553"
Patuakudra_S2	172	338127.176	2412754.959	85°26'02.356961"	21°48'40.424276"
	Patch-20				
Patuakudra_S2	209	337657.374	2411451.307	85°25'46.461790"	21°47'57.883342"

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Paluakudra_S2	210	337657.778	2411438.978	85°25'46.480233"	21°47'57.482636"
Paluakudra_S2	211	337646.006	2411446.906	85°25'46.67581"	21°47'57.736506"
Paluakudra_S2	212	337639.547	2411475.385	85°25'45.832612"	21°47'58.660302"
Paluakudra_S2	213	337642.452	2411496.888	85°25'45.926156"	21°47'59.360399"
Paluakudra_S2	214	337680.582	2411552.200	85°25'47.234011"	21°48'01.171347"
Paluakudra_S2	215	337697.406	2411581.380	85°25'47.809419"	21°48'02.125851"
Paluakudra_S2	216	337736.254	2411626.485	85°25'49.145924"	21°48'03.605007"
Paluakudra_S2	217	337754.020	2411659.144	85°25'49.752693"	21°48'04.672717"
Paluakudra_S2	218	337822.525	2411719.543	85°25'52.116522"	21°48'06.659144"
Paluakudra_S2	219	337845.746	2411735.198	85°25'52.919425"	21°48'07.175801"
Paluakudra_S2	220	337925.258	2411801.414	85°25'55.664227"	21°48'09.354980"
Paluakudra_S2	221	337990.255	2411851.793	85°25'57.909309"	21°48'11.14436"
Paluakudra_S2	222	338032.233	2411876.646	85°25'59.361999"	21°48'11.836331"
Paluakudra_S2	223	338032.405	2411876.748	85°25'59.367970"	21°48'11.839710"
Paluakudra_S2	224	338027.791	2411861.245	85°25'59.212796"	21°48'11.334156"
Paluakudra_S2	225	337996.451	2411842.678	85°25'58.128238"	21°48'10.720121"
Paluakudra_S2	226	337932.149	2411792.638	85°25'55.907182"	21°48'09.78424"
Paluakudra_S2	227	337852.357	2411726.388	85°25'53.152711"	21°48'06.891568"
Paluakudra_S2	228	337829.265	2411710.621	85°25'52.354267"	21°48'06.377782"
Paluakudra_S2	229	337762.754	2411652.179	85°25'50.59416"	21°48'04.449159"
Paluakudra_S2	230	337745.355	2411620.196	85°25'49.465019"	21°48'03.403562"
Paluakudra_S2	231	337706.416	2411574.987	85°25'48.125421"	21°48'01.920784"
Paluakudra_S2	232	337691.076	2411548.379	85°25'47.600742"	21°48'01.50815"
Paluakudra_S2	233	337652.064	2411493.491	85°25'46.262689"	21°47'59.253124"
Paluakudra_S2	234	337649.898	2411475.836	85°25'46.185885"	21°47'58.678313"
Paluakudra_S2	235	337654.881	2411452.985	85°25'46.374414"	21°47'57.937097"
Village Name	**Pillar No**	**UTM Coordinates**		**Geo-graphic Coordinates**	
		Easting	**Northing**	**Longitude**	**Latitude**
	Patch-17				
Dhanurjayapur S2	173	338592.472	2412448.891	85°26'16.865449"	21°48'30.626526"
Dhanurjayapur S2	174	338457.050	2412519.664	85°26'13.925457"	21°48'32.862977"
Dhanurjayapur S2	175	338306.922	2412637.853	85°26'08.621648"	21°48'36.675819"
Dhanurjayapur S2	176	338208.630	2412698.609	85°26'05.213637"	21°48'38.554037"
Dhanurjayapur S2	177	338145.019	2412735.024	85°26'02.985277"	21°48'39.782038"
Dhanurjayapur S2	178	338146.179	2412748.343	85°26'03.20938"	21°48'40.215439"
Dhanurjayapur S2	179	338218.677	2412704.560	85°26'05.560632"	21°48'38.815868"
Dhanurjayapur S2	180	338312.744	2412647.751	85°26'08.855896"	21°48'36.999690"
Dhanurjayapur S2	181	338463.579	2412529.792	85°26'14.149213"	21°48'33.214411"
Dhanurjayapur S2	182	338597.813	2412459.640	85°26'18.847615"	21°48'30.977757"
	Patch-18				
Dhanurjayapur S2	183	338148.953	2411941.039	85°26'03.402931"	21°48'13.968505"
Dhanurjayapur S2	184	338138.139	2411945.723	85°26'03.24786"	21°48'14.117214"
Dhanurjayapur S2	185	338136.945	2411946.240	85°26'02.983044"	21°48'14.133630"
Dhanurjayapur S2	186	338268.927	2412066.703	85°26'07.535570"	21°48'18.93814"
Dhanurjayapur S2	187	338333.402	2412114.465	85°26'09.763483"	21°48'19.668586"
Dhanurjayapur S2	188	338385.137	2412143.052	85°26'11.554617"	21°48'20.614460"
Dhanurjayapur S2	189	338489.121	2412211.488	85°26'15.150810"	21°48'22.873791"
Dhanurjayapur S2	190	338529.436	2412241.193	85°26'16.544036"	21°48'23.852879"
Dhanurjayapur S2	191	338572.009	2412291.161	85°26'18.8593"	21°48'25.491496"
Dhanurjayapur S2	192	338653.303	2412417.100	85°26'20.794601"	21°48'29.612933"
Dhanurjayapur S2	193	338645.921	2412420.958	85°26'20.536231"	21°48'29.735932"

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Dhanunjayapur S2	194	338652.576	2412431.019	85°26'20.764461"	21°48'30.65234"
Dhanunjayapur S2	195	338661.391	2412426.413	85°26'21.72943"	21°48'29.918380"
Dhanunjayapur S2	196	338642.003	2412399.475	85°26'20.407401"	21°48'29.36179"
Dhanunjayapur S2	197	338627.181	2412375.690	85°26'19.899699"	21°48'28.257962"
Dhanunjayapur S2	198	338637.450	2412372.525	85°26'20.258380"	21°48'28.158448"
Dhanunjayapur S2	199	338580.959	2412284.743	85°26'18.322461"	21°48'25.285777"
Dhanunjayapur S2	200	338536.822	2412232.970	85°26'16.804013"	21°48'23.587854"
Dhanunjayapur S2	201	338495.302	2412202.379	85°26'15.369240"	21°48'22.579670"
Dhanunjayapur S2	202	338390.852	2412133.642	85°26'11.756895"	21°48'20.310391"
Dhanunjayapur S2	203	338339.362	2412105.210	85°26'09.974255"	21°48'19.369003"
Dhanunjayapur S2	204	338275.856	2412058.221	85°26'07.763279"	21°48'17.820339"
Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-19				
Dhanunjayapur S3	205	338031.815	2411863.630	85°25'59.352073"	21°48'11.413009"
Dhanunjayapur S3	206	338035.783	2411877.799	85°25'59.485190"	21°48'11.875008"
Dhanunjayapur S3	207	338138.139	2411945.723	85°26'03.24786"	21°48'14.117214"
Dhanunjayapur S3	208	338148.953	2411941.039	85°26'03.402931"	21°48'13.968505"
	Patch-21				
Dhanunjayapur S3	236	337724.585	2411142.010	85°25'48.911336"	21°47'47.848426"
Dhanunjayapur S3	237	337715.667	2411156.826	85°25'48.595591"	21°47'48.328169"
Dhanunjayapur S3	238	337716.998	2411179.385	85°25'48.631643"	21°47'49.62071"
Dhanunjayapur S3	239	337699.092	2411209.128	85°25'48.24"	21°47'50.23169"
Dhanunjayapur S3	240	337687.620	2411236.862	85°25'47.597755"	21°47'50.921192"
Dhanunjayapur S3	241	337673.236	2411266.605	85°25'47.79500"	21°47'51.883386"
Dhanunjayapur S3	242	337671.509	2411307.093	85°25'47.5027"	21°47'53.199215"
Dhanunjayapur S3	243	337675.923	2411317.839	85°25'47.154870"	21°47'53.550052"
Dhanunjayapur S3	244	337678.801	2411335.109	85°25'47.248957"	21°47'54.112501"
Dhanunjayapur S3	245	337681.104	2411360.630	85°25'47.320079"	21°47'54.943031"
Dhanunjayapur S3	246	337678.498	2411392.282	85°25'47.148526"	21°47'55.970916"
Dhanunjayapur S3	247	337669.018	2411422.631	85°25'46.877363"	21°47'56.954867"
Dhanunjayapur S3	248	337667.008	2411429.243	85°25'46.805034"	21°47'57.169158"
Dhanunjayapur S3	249	337662.171	2411448.076	85°25'46.629963"	21°47'57.779879"
Dhanunjayapur S3	250	337675.511	2411439.092	85°25'47.97554"	21°47'57.492209"
Dhanunjayapur S3	251	337679.728	2411425.222	85°25'47.249297"	21°47'57.42633"
Dhanunjayapur S3	252	337690.871	2411363.797	85°25'47.659017"	21°47'55.49234"
Dhanunjayapur S3	253	337690.016	2411339.277	85°25'47.637927"	21°47'54.251733"
Dhanunjayapur S3	254	337686.850	2411321.147	85°25'47.534142"	21°47'53.661207"
Dhanunjayapur S3	255	337681.354	2411305.157	85°25'47.346450"	21°47'53.139510"
Dhanunjayapur S3	256	337682.072	2411274.294	85°25'47.384375"	21°47'52.136294"
Dhanunjayapur S3	257	337686.679	2411260.242	85°25'47.549751"	21°47'51.680948"
Dhanunjayapur S3	258	337702.196	2411226.945	85°25'48.101052"	21°47'50.668529"
Dhanunjayapur S3	259	337707.619	2411214.482	85°25'48.294998"	21°47'50.200082"
Dhanunjayapur S3	260	337727.444	2411181.062	85°25'48.997029"	21°47'49.120082"
Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-22				
Lunagadia_S1	261	337722.757	2411118.573	85°25'48.655994"	21°47'47.86802"
Lunagadia_S1	262	337674.569	2410994.887	85°25'47.222197"	21°47'43.49462"
Lunagadia_S1	263	337673.016	2410919.252	85°25'47.184934"	21°47'40.889845"
Lunagadia_S1	264	337677.845	2410873.847	85°25'47.379134"	21°47'39.115174"

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Lunagadia_S1	265	337638.072	2410755.270	85°25'46.36515"	21°47'35.248729"
Lunagadia_S1	266	337593.447	2410682.391	85°25'44.508794"	21°47'32.862442"
Lunagadia_S1	267	337592.828	2410668.606	85°25'44.492129"	21°47'32.414043"
Lunagadia_S1	268	337584.948	2410653.090	85°25'44.223303"	21°47'31.906955"
Lunagadia_S1	269	337584.082	2410646.669	85°25'44.195434"	21°47'31.697926"
Lunagadia_S1	270	337581.841	2410646.854	85°25'44.117352"	21°47'31.703176"
Lunagadia_S1	271	337583.573	2410665.415	85°25'44.163968"	21°47'32.957483"
Lunagadia_S1	272	337628.952	2410759.525	85°25'45.717499"	21°47'35.382055"
Lunagadia_S1	273	337667.671	2410874.958	85°25'47.24525"	21°47'39.147954"
Lunagadia_S1	274	337663.005	2410918.824	85°25'46.846571"	21°47'40.572621"
Lunagadia_S1	275	337664.508	2410996.865	85°25'46.874699"	21°47'43.110478"
Lunagadia_S1	276	337712.705	2411120.318	85°25'48.505419"	21°47'47.140221"
Lunagadia_S1	277	337722.075	2411120.188	85°25'48.831665"	21°47'47.139030"
Lunagadia_S1	278	337714.703	2411144.284	85°25'48.566488"	21°47'47.920084"
Lunagadia_S1	279	337715.867	2411156.826	85°25'48.595591"	21°47'48.328189"
Lunagadia_S1	280	337724.586	2411142.010	85°25'48.911336"	21°47'47.849426"
	Patch-23				
Lunagadia_S1	281	337518.093	2410355.698	85°25'42.1344"	21°47'22.215740"
Lunagadia_S1	282	337518.093	2410344.248	85°25'42.5403"	21°47'21.843468"
Lunagadia_S1	283	337508.233	2410345.646	85°25'41.681597"	21°47'21.892165"
Lunagadia_S1	284	337506.249	2410323.357	85°25'41.600491"	21°47'21.160303"
Lunagadia_S1	285	337503.340	2410329.260	85°25'41.499237"	21°47'21.156186"
Lunagadia_S1	286	337507.093	2410344.601	85°25'41.622272"	21°47'21.657606"
Lunagadia_S1	287	337507.093	2410356.689	85°25'41.617986"	21°47'22.250909"
Lunagadia_S1	288	337510.260	2410371.345	85°25'41.723097"	21°47'22.721875"
Lunagadia_S1	289	337512.347	2410368.476	85°25'41.789676"	21°47'23.279532"
Lunagadia_S1	290	337513.916	2410388.643	85°25'41.844261"	21°47'23.285496"
Lunagadia_S1	291	337512.596	2410420.398	85°25'41.787018"	21°47'24.317510"
Lunagadia_S1	292	337517.305	2410430.082	85°25'41.947537"	21°47'24.633918"
Lunagadia_S1	293	337522.988	2410419.054	85°25'42.149272"	21°47'24.277247"
Lunagadia_S1	294	337523.391	2410394.892	85°25'42.171863"	21°47'23.491813"
Lunagadia_S1	295	337524.142	2410394.335	85°25'42.198215"	21°47'23.473933"
Lunagadia_S1	296	337521.116	2410369.499	85°25'42.101690"	21°47'22.665448"
Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-24				
Lunagadia_S2	297	337041.228	2409375.749	85°25'25.748960"	21°46'50.196591"
Lunagadia_S2	298	337043.508	2409390.657	85°25'25.823007"	21°46'50.682054"
Lunagadia_S2	299	337044.434	2409414.337	85°25'25.846826"	21°46'51.452276"
Lunagadia_S2	300	337047.212	2409450.321	85°25'25.930745"	21°46'52.623125"
Lunagadia_S2	301	337051.974	2409475.192	85°25'26.87690"	21°46'53.433331"
Lunagadia_S2	302	337053.053	2409488.655	85°25'26.120366"	21°46'53.877917"
Lunagadia_S2	303	337055.487	2409504.518	85°25'26.199533"	21°46'54.387987"
Lunagadia_S2	304	337065.541	2409553.519	85°25'26.532109"	21°46'55.984489"
Lunagadia_S2	305	337077.394	2409593.418	85°25'26.930551"	21°46'57.285665"
Lunagadia_S2	306	337079.299	2409603.473	85°25'26.993293"	21°46'57.613168"
Lunagadia_S2	307	337090.227	2409645.250	85°25'27.358833"	21°46'58.975134"
Lunagadia_S2	308	337097.212	2409657.739	85°25'27.597549"	21°46'59.363466"
Lunagadia_S2	309	337104.408	2409667.687	85°25'27.844536"	21°46'59.709324"
Lunagadia_S2	310	337114.463	2409686.208	85°25'28.187948"	21°47'00.314829"
Lunagadia_S2	311	337138.698	2409717.640	85°25'29.20453"	21°47'01.344836"

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Lunagadia_S2	312	337157.854	2409736.691	85°25'29.680519"	21°47'01.970565"
Lunagadia_S2	313	337197.648	2409776.907	85°25'31.51483"	21°47'03.291331"
Lunagadia_S2	314	337220.979	2409821.471	85°25'31.847834"	21°47'04.747958"
Lunagadia_S2	315	337241.390	2409857.779	85°25'32.545491"	21°47'05.935228"
Lunagadia_S2	316	337240.642	2409858.626	85°25'32.519157"	21°47'05.962495"
Lunagadia_S2	317	337259.422	2409892.520	85°25'33.160854"	21°47'07.70727"
Lunagadia_S2	318	337314.516	2409883.376	85°25'35.46519"	21°47'10.43003"
Lunagadia_S2	319	337317.000	2410020.102	85°25'35.119951"	21°47'11.237888"
Lunagadia_S2	320	337319.485	2410045.065	85°25'35.197606"	21°47'12.50327"
Lunagadia_S2	321	337312.788	2410059.670	85°25'34.959205"	21°47'12.529452"
Lunagadia_S2	322	337304.879	2410087.990	85°25'34.673901"	21°47'13.441113"
Lunagadia_S2	323	337309.423	2410121.612	85°25'34.820134"	21°47'14.535770"
Lunagadia_S2	324	337328.918	2410151.938	85°25'35.488033"	21°47'15.528215"
Lunagadia_S2	325	337370.095	2410198.478	85°25'36.904957"	21°47'17.55035"
Lunagadia_S2	326	337421.369	2410227.463	85°25'38.679631"	21°47'18.15033"
Lunagadia_S2	327	337464.433	2410238.331	85°25'40.174922"	21°47'18.382004"
Lunagadia_S2	328	337478.989	2410249.248	85°25'40.677775"	21°47'18.741769"
Lunagadia_S2	329	337484.993	2410262.315	85°25'40.882157"	21°47'19.168629"
Lunagadia_S2	330	337498.981	2410286.295	85°25'41.360602"	21°47'19.952897"
Lunagadia_S2	331	337500.976	2410309.697	85°25'41.421773"	21°47'20.714439"
Lunagadia_S2	332	337503.340	2410323.280	85°25'41.490237"	21°47'21.156186"
Lunagadia_S2	333	337506.249	2410323.357	85°25'41.600491"	21°47'21.160303"
Lunagadia_S2	334	337502.306	2410312.617	85°25'41.467026"	21°47'20.809804"
Lunagadia_S2	335	337498.594	2410286.156	85°25'41.362000"	21°47'19.948665"
Lunagadia_S2	336	337490.192	2410268.910	85°25'41.60828"	21°47'19.384756"
Lunagadia_S2	337	337490.483	2410247.917	85°25'41.76382"	21°47'18.702313"
Lunagadia_S2	338	337488.696	2410244.028	85°25'41.17561"	21°47'18.575284"
Lunagadia_S2	339	337468.825	2410229.125	85°25'40.331079"	21°47'18.84143"
Lunagadia_S2	340	337425.001	2410218.085	85°25'38.809405"	21°47'17.710697"
Lunagadia_S2	341	337376.582	2410190.701	85°25'37.133564"	21°47'16.804304"
Lunagadia_S2	342	337336.895	2410145.854	85°25'35.767879"	21°47'15.333043"
Lunagadia_S2	343	337319.035	2410118.072	85°25'35.158021"	21°47'14.423870"
Lunagadia_S2	344	337315.066	2410088.704	85°25'35.28286"	21°47'13.467668"
Lunagadia_S2	345	337322.210	2410063.304	85°25'35.285968"	21°47'12.644225"
Lunagadia_S2	346	337330.590	2410044.780	85°25'35.584267"	21°47'12.44760"
Lunagadia_S2	347	337328.018	2410020.000	85°25'35.503550"	21°47'11.236227"
Lunagadia_S2	348	337325.306	2409979.899	85°25'35.423369"	21°47'09.933537"
Lunagadia_S2	349	337268.939	2409887.000	85°25'33.494126"	21°47'06.894426"
Lunagadia_S2	350	337246.467	2409846.441	85°25'32.726242"	21°47'05.568285"
Lunagadia_S2	351	337230.262	2409818.643	85°25'32.172694"	21°47'04.659122"
Lunagadia_S2	352	337205.449	2409769.996	85°25'31.325507"	21°47'03.69200"
Lunagadia_S2	353	337168.640	2409734.121	85°25'30.56901"	21°47'01.890604"
Lunagadia_S2	354	337157.734	2409721.710	85°25'29.661641"	21°47'01.483470"
Lunagadia_S2	355	337147.268	2409713.245	85°25'29.321018"	21°47'01.204790"
Lunagadia_S2	356	337124.191	2409683.429	85°25'28.527575"	21°47'00.227893"
Lunagadia_S2	357	337112.162	2409660.647	85°25'28.116941"	21°46'59.483004"
Lunagadia_S2	358	337100.692	2409644.311	85°25'27.723474"	21°46'58.946074"
Lunagadia_S2	359	337087.456	2409593.623	85°25'27.282193"	21°46'57.295662"
Lunagadia_S2	360	337076.396	2409556.865	85°25'26.908857"	21°46'56.96885"
Lunagadia_S2	361	337063.945	2409494.418	85°25'26.497544"	21°46'54.62414"
Lunagadia_S2	362	337055.605	2409434.186	85°25'26.235606"	21°46'52.101401"

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Lunagadia_S2	363	337053.247	2409389.415	85°25'26.162461"	21°46'50.644904"
Lunagadia_S2	364	337050.902	2409372.100	85°25'26.86892"	21°46'50.61150"
Lunagadia_S2	365	337050.530	2409349.337	85°25'26.82143"	21°46'49.340931"
Lunagadia_S2	366	337040.597	2409352.543	85°25'25.735226"	21°46'49.441881"
Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-25				
Kasia_S1	367	336664.671	2408365.401	85°25'13.794"	21°46'17.222099"
Kasia_S1	368	336664.525	2408332.609	85°25'13.7374"	21°46'16.155877"
Kasia_S1	369	336663.522	2408349.993	85°25'12.986275"	21°46'16.720749"
Kasia_S1	370	336668.672	2408424.790	85°25'13.118902"	21°46'19.154325"
Kasia_S1	371	336682.978	2408438.356	85°25'13.612041"	21°46'19.600159"
Kasia_S1	372	336738.497	2408540.140	85°25'15.508312"	21°46'22.927826"
Kasia_S1	373	336775.299	2408601.803	85°25'16.767404"	21°46'24.944985"
Kasia_S1	374	336831.548	2408694.084	85°25'18.692504"	21°46'27.964006"
Kasia_S1	375	336861.759	2408792.513	85°25'19.709096"	21°46'31.174272"
Kasia_S1	376	336885.395	2408844.171	85°25'20.513459"	21°46'32.861665"
Kasia_S1	377	336911.930	2408944.712	85°25'21.401365"	21°46'36.139076"
Kasia_S1	378	336914.838	2408962.403	85°25'21.496302"	21°46'36.715520"
Kasia_S1	379	336917.031	2409007.241	85°25'21.556699"	21°46'38.174071"
Kasia_S1	380	336920.696	2409033.632	85°25'21.674903"	21°46'39.33320"
Kasia_S1	381	336944.790	2409168.126	85°25'22.465759"	21°46'43.414127"
Kasia_S1	382	336951.929	2409231.096	85°25'22.691868"	21°46'45.463850"
Kasia_S1	383	336963.103	2409243.322	85°25'23.76494"	21°46'45.865072"
Kasia_S1	384	337005.587	2409277.719	85°25'24.543119"	21°46'48.997525"
Kasia_S1	385	337019.808	2409292.466	85°25'25.25955"	21°46'47.481630"
Kasia_S1	386	337037.769	2409321.891	85°25'25.647672"	21°46'48.444362"
Kasia_S1	387	337039.673	2409352.872	85°25'25.702962"	21°46'49.452279"
Kasia_S1	388	337040.597	2409352.543	85°25'25.735226"	21°46'49.441881"
Kasia_S1	389	337050.530	2409349.337	85°25'26.82143"	21°46'49.340931"
Kasia_S1	390	337048.506	2409318.344	85°25'26.22695"	21°46'48.332604"
Kasia_S1	391	337028.368	2409285.715	85°25'25.333287"	21°46'47.265053"
Kasia_S1	392	337013.065	2409269.621	85°25'24.806318"	21°46'46.736698"
Kasia_S1	393	336970.868	2409235.292	85°25'23.342617"	21°46'45.606504"
Kasia_S1	394	336962.366	2409226.211	85°25'23.56923"	21°46'45.308483"
Kasia_S1	395	336955.703	2409166.679	85°25'22.846169"	21°46'43.370708"
Kasia_S1	396	336931.560	2409031.888	85°25'22.53674"	21°46'38.980255"
Kasia_S1	397	336927.994	2409006.214	85°25'21.939675"	21°46'38.144309"
Kasia_S1	398	336925.794	2408961.238	85°25'21.878092"	21°46'36.681294"
Kasia_S1	399	336922.699	2408942.411	85°25'21.777058"	21°46'36.68146"
Kasia_S1	400	336895.790	2408840.452	85°25'20.876624"	21°46'32.744202"
Kasia_S1	401	336875.967	2408799.154	85°25'20.201296"	21°46'31.394915"
Kasia_S1	402	336876.806	2408798.961	85°25'20.230577"	21°46'31.388928"
Kasia_S1	403	336872.063	2408788.594	85°25'20.69147"	21°46'31.50275"
Kasia_S1	404	336841.692	2408689.646	85°25'19.47191"	21°46'27.823080"
Kasia_S1	405	336784.801	2408596.247	85°25'17.100123"	21°46'24.767498"
Kasia_S1	406	336748.691	2408535.642	85°25'15.864766"	21°46'22.765061"
Kasia_S1	407	336690.079	2408429.931	85°25'13.662227"	21°46'19.326592"
Kasia_S1	408	336674.269	2408427.456	85°25'13.312776"	21°46'19.242875"
Kasia_S1	409	336669.751	2408424.615	85°25'13.156535"	21°46'19.149004"
	Patch-26				

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Kasia_S1	410	336661.814	2408250.942	85°25'12.942063"	21°46'13.499752"
Kasia_S1	411	336661.972	2408238.718	85°25'12.951961"	21°46'13.102374"
Kasia_S1	412	336659.256	2408239.096	85°25'12.857288"	21°46'13.119736"
Kasia_S1	413	336660.128	2408241.037	85°25'12.886935"	21°46'13.177146"
Kasia_S1	414	336665.715	2408311.972	85°25'13.56162"	21°46'15.485316"
Kasia_S1	415	336664.750	2408328.706	85°25'13.16600"	21°46'16.29070"
Kasia_S1	416	336667.370	2408316.189	85°25'13.112253"	21°46'15.622951"
Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-27				
Kasia_S2	417	336599.604	2407973.528	85°25'10.882488"	21°46'04.459584"
Kasia_S2	418	336593.286	2407950.451	85°25'10.663838"	21°46'03.707120"
Kasia_S2	419	336583.216	2407952.092	85°25'10.312737"	21°46'03.757113"
Kasia_S2	420	336590.125	2407974.958	85°25'10.545057"	21°46'04.502856"
Kasia_S2	421	336593.035	2408004.062	85°25'10.635995"	21°46'05.450088"
Kasia_S2	422	336601.766	2408038.723	85°25'10.927561"	21°46'06.579906"
Kasia_S2	423	336599.120	2408046.396	85°25'10.832734"	21°46'06.828496"
Kasia_S2	424	336591.183	2408101.561	85°25'10.536805"	21°46'08.619454"
Kasia_S2	425	336598.459	2408115.981	85°25'10.784929"	21°46'09.90705"
Kasia_S2	426	336613.408	2408134.699	85°25'11.298526"	21°46'09.710749"
Kasia_S2	427	336618.932	2408126.954	85°25'11.493614"	21°46'09.454279"
Kasia_S2	428	336605.031	2408107.661	85°25'11.16587"	21°46'08.828866"
Kasia_S2	429	336601.771	2408099.835	85°25'10.905957"	21°46'08.566840"
Kasia_S2	430	336609.300	2408049.868	85°25'11.185824"	21°46'06.944774"
Kasia_S2	431	336612.676	2408038.614	85°25'11.307347"	21°46'06.579998"
Kasia_S2	432	336602.449	2408002.524	85°25'10.964172"	21°46'05.403221"
	Patch-28				
Kasia_S2	433	337266.306	2406964.320	85°25'34.439288"	21°45'31.868407"
Kasia_S2	434	337287.970	2406951.588	85°25'35.197804"	21°45'31.461615"
Kasia_S2	435	337300.634	2406940.512	85°25'35.642517"	21°45'31.105712"
Kasia_S2	436	337283.127	2406941.688	85°25'35.32778"	21°45'31.138157"
Kasia_S2	437	337253.559	2406959.053	85°25'33.997478"	21°45'31.692936"
Kasia_S2	438	337268.097	2407021.239	85°25'34.481441"	21°45'33.719629"
Kasia_S2	439	337277.406	2407059.867	85°25'34.791737"	21°45'34.978612"
Kasia_S2	440	337282.314	2407076.337	85°25'34.956723"	21°45'35.515739"
Kasia_S2	441	337284.219	2407087.873	85°25'35.18938"	21°45'35.891436"
Kasia_S2	442	337293.874	2407084.510	85°25'35.356197"	21°45'35.785297"
Kasia_S2	443	337282.572	2407037.075	85°25'34.979633"	21°45'34.239284"
Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-29				
Balabhadrapur S1	444	337347.081	2406899.127	85°25'37.273780"	21°45'29.775536"
Balabhadrapur S1	445	337333.042	2406898.790	85°25'36.785257"	21°45'29.759934"
Balabhadrapur S1	446	337283.127	2406941.688	85°25'35.32778"	21°45'31.138157"
Balabhadrapur S1	447	337300.725	2406940.506	85°25'35.645687"	21°45'31.105544"
	Patch-30				
Balabhadrapur S1	448	337494.644	2406799.438	85°25'42.451910"	21°45'26.583207"
Balabhadrapur S1	449	337502.988	2406798.862	85°25'42.735540"	21°45'26.567193"
Balabhadrapur S1	450	337493.588	2406799.361	85°25'42.409141"	21°45'26.580957"
Balabhadrapur S1	451	337481.700	2406802.927	85°25'41.297091"	21°45'26.685685"
Balabhadrapur S1	452	337446.590	2406805.036	85°25'40.840064"	21°45'26.749981"

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Balabhadrapur S1	453	337411.661	2406815.084	85°25'39.551198"	21°45'27.64409"
Balabhadrapur S1	454	337403.457	2406822.694	85°25'39.282983"	21°45'27.309112"
Balabhadrapur S1	455	337413.738	2406816.085	85°25'39.623144"	21°45'27.97631"
Balabhadrapur S1	456	337448.387	2406805.439	85°25'40.832866"	21°45'26.782945"
	Patch-31				
Balabhadrapur S1	457	337551.923	2406774.664	85°25'44.447289"	21°45'25.796609"
Balabhadrapur S1	458	337541.008	2406688.235	85°25'44.97954"	21°45'22.982905"
Balabhadrapur S1	459	337543.429	2406646.914	85°25'44.196158"	21°45'21.705262"
Balabhadrapur S1	460	337533.336	2406664.260	85°25'43.839416"	21°45'22.200872"
Balabhadrapur S1	461	337533.654	2406703.968	85°25'43.836466"	21°45'23.492027"
Balabhadrapur S1	462	337542.904	2406780.834	85°25'44.131187"	21°45'25.994226"
Balabhadrapur S1	463	337541.885	2406780.747	85°25'44.95756"	21°45'25.991056"
Balabhadrapur S1	464	337544.912	2406796.621	85°25'44.195487"	21°45'26.508182"
Balabhadrapur S1	465	337532.874	2406797.213	85°25'43.776318"	21°45'26.523438"
Balabhadrapur S1	466	337556.773	2406800.099	85°25'44.607066"	21°45'26.625182"
	Patch-32				
Balabhadrapur S1	467	337543.277	2406847.685	85°25'44.191274"	21°45'21.665271"
Balabhadrapur S1	468	337537.740	2406832.492	85°25'44.3959"	21°45'21.169468"
Balabhadrapur S1	469	337527.730	2406833.074	85°25'43.655350"	21°45'21.185081"
Balabhadrapur S1	470	337514.503	2406813.244	85°25'43.201999"	21°45'20.535964"
Balabhadrapur S1	471	337506.780	2406816.599	85°25'42.931328"	21°45'20.642494"
Balabhadrapur S1	472	337473.724	2406578.143	85°25'41.795144"	21°45'19.381243"
Balabhadrapur S1	473	337482.264	2406563.972	85°25'42.97389"	21°45'18.923316"
Balabhadrapur S1	474	337493.596	2406565.424	85°25'42.491289"	21°45'18.974263"
Balabhadrapur S1	475	337507.352	2406542.087	85°25'42.978303"	21°45'18.220055"
Balabhadrapur S1	476	337499.567	2406507.889	85°25'42.719460"	21°45'17.105602"
Balabhadrapur S1	477	337495.154	2406508.841	85°25'42.565523"	21°45'17.135116"
Balabhadrapur S1	478	337489.130	2406489.149	85°25'42.362653"	21°45'16.492678"
Balabhadrapur S1	479	337490.894	2406469.354	85°25'42.431254"	21°45'15.849860"
Balabhadrapur S1	480	337495.408	2406469.423	85°25'42.588255"	21°45'15.853581"
Balabhadrapur S1	481	337495.339	2406468.174	85°25'42.586151"	21°45'15.812944"
Balabhadrapur S1	482	337484.301	2406467.774	85°25'42.202345"	21°45'15.796285"
Balabhadrapur S1	483	337482.543	2406489.637	85°25'42.133356"	21°45'16.513050"
Balabhadrapur S1	484	337488.938	2406510.743	85°25'42.348518"	21°45'17.194878"
Balabhadrapur S1	485	337487.960	2406510.965	85°25'42.314414"	21°45'17.201794"
Balabhadrapur S1	486	337494.593	2406540.101	85°25'42.534940"	21°45'18.151276"
Balabhadrapur S1	487	337471.722	2406578.903	85°25'41.725210"	21°45'19.405277"
Balabhadrapur S1	488	337506.070	2406619.988	85°25'42.906133"	21°45'20.752377"
Balabhadrapur S1	489	337513.878	2406615.671	85°25'43.179409"	21°45'20.614667"
Balabhadrapur S1	490	337525.729	2406635.155	85°25'43.584989"	21°45'21.252081"
Balabhadrapur S1	491	337526.785	2406634.557	85°25'43.621945"	21°45'21.232985"
Balabhadrapur S1	492	337530.991	2406646.100	85°25'43.764256"	21°45'21.609671"
	Patch-33				
Balabhadrapur S1	493	337361.214	2406177.105	85°25'38.21369"	21°45'06.305043"
Balabhadrapur S1	494	337343.758	2406148.846	85°25'37.423851"	21°45'05.380466"
Balabhadrapur S1	495	337358.362	2406185.341	85°25'37.919221"	21°45'06.571863"
Balabhadrapur S1	496	337360.685	2406194.439	85°25'37.996842"	21°45'06.868431"
Balabhadrapur S1	497	337365.110	2406204.291	85°25'38.147360"	21°45'07.190241"
Balabhadrapur S1	498	337385.656	2406225.797	85°25'38.854800"	21°45'07.896254"
Balabhadrapur S1	499	337406.174	2406284.449	85°25'39.548147"	21°45'09.810001"
Balabhadrapur S1	500	337409.733	2406290.347	85°25'39.669918"	21°45'10.2923"

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Balabhadrapur S1	501	337437.289	2406316.843	85°25'40.619577"	21°45'10.873528"
Balabhadrapur S1	502	337478.053	2406371.631	85°25'42.18914"	21°45'12.668321"
Balabhadrapur S1	503	337481.630	2406422.345	85°25'42.125470"	21°45'14.318373"
Balabhadrapur S1	504	337483.483	2406453.860	85°25'42.178801"	21°45'15.343645"
Balabhadrapur S1	505	337483.216	2406422.852	85°25'42.180471"	21°45'14.335400"
Balabhadrapur S1	506	337479.752	2406372.295	85°25'42.77821"	21°45'12.690486"
Balabhadrapur S1	507	337480.222	2406356.119	85°25'42.99892"	21°45'12.164683"
Balabhadrapur S1	508	337446.151	2406310.326	85°25'40.930309"	21°45'10.664573"
Balabhadrapur S1	509	337437.030	2406301.334	85°25'40.616054"	21°45'10.369185"
Balabhadrapur S1	510	337428.449	2406301.272	85°25'40.317440"	21°45'10.364328"
Balabhadrapur S1	511	337423.145	2406287.963	85°25'40.137542"	21°45'09.930506"
Balabhadrapur S1	512	337409.642	2406274.999	85°25'39.672194"	21°45'09.503894"
Balabhadrapur S1	513	337398.198	2406237.933	85°25'39.287016"	21°45'08.294980"
Balabhadrapur S1	514	337387.592	2406218.635	85°25'38.924705"	21°45'07.664031"
Balabhadrapur S1	515	337369.202	2406199.278	85°25'38.291552"	21°45'07.28588"
Balabhadrapur S1	516	337365.331	2406192.503	85°25'38.159214"	21°45'06.807032"
Balabhadrapur S1	517	337350.813	2406168.113	85°25'37.662584"	21°45'06.9235"
Balabhadrapur S1	518	337361.268	2406178.586	85°25'38.22674"	21°45'06.352548"
Village Name	**Pillar No**	**UTM Coordinates**		**Geo-graphic Coordinates**	
		Easting	**Northing**	**Longitude**	**Latitude**
	Patch-34				
Balabhadrapur S2	519	337237.359	2405155.852	85°25'34.72659"	21°44'33.59925"
Balabhadrapur S2	520	337286.012	2405163.425	85°25'35.763159"	21°44'33.322252"
Balabhadrapur S2	521	337354.062	2405141.541	85°25'38.139104"	21°44'32.633236"
Balabhadrapur S2	522	337339.901	2405135.542	85°25'37.646416"	21°44'32.433518"
Balabhadrapur S2	523	337285.299	2405153.193	85°25'35.741972"	21°44'32.969361"
Balabhadrapur S2	524	337228.972	2405144.426	85°25'33.764836"	21°44'32.685658"
Balabhadrapur S2	525	337210.067	2405222.592	85°25'33.99240"	21°44'35.220824"
Balabhadrapur S2	526	337163.995	2405306.407	85°25'32.162207"	21°44'37.937286"
Balabhadrapur S2	527	337177.144	2405342.623	85°25'31.910927"	21°44'39.112507"
Balabhadrapur S2	528	337176.490	2405381.531	85°25'31.874381"	21°44'40.377323"
Balabhadrapur S2	529	337175.004	2405398.032	85°25'31.816832"	21°44'40.913312"
Balabhadrapur S2	530	337176.429	2405405.898	85°25'31.863633"	21°44'41.169551"
Balabhadrapur S2	531	337176.607	2405437.547	85°25'31.928203"	21°44'42.199275"
Balabhadrapur S2	532	337176.676	2405462.307	85°25'31.852205"	21°44'43.3657"
Balabhadrapur S2	533	337174.946	2405465.020	85°25'31.791081"	21°44'43.91285"
Balabhadrapur S2	534	337175.230	2405473.955	85°25'31.797781"	21°44'43.361892"
Balabhadrapur S2	535	337174.795	2405485.778	85°25'31.778464"	21°44'43.766155"
Balabhadrapur S2	536	337176.131	2405476.237	85°25'31.828330"	21°44'43.456398"
Balabhadrapur S2	537	337168.183	2405475.422	85°25'32.178461"	21°44'43.433226"
Balabhadrapur S2	538	337164.917	2405432.403	85°25'32.149633"	21°44'42.34103"
Balabhadrapur S2	539	337163.107	2405421.577	85°25'32.90488"	21°44'41.681543"
Balabhadrapur S2	540	337163.252	2405407.786	85°25'32.100428"	21°44'41.233172"
Balabhadrapur S2	541	337176.316	2405382.670	85°25'31.937546"	21°44'40.414944"
Balabhadrapur S2	542	337179.187	2405339.842	85°25'31.983038"	21°44'39.22774"
Balabhadrapur S2	543	337182.672	2405316.614	85°25'32.112527"	21°44'38.268695"
Balabhadrapur S2	544	337199.496	2405263.725	85°25'32.716762"	21°44'36.554694"
Balabhadrapur S2	545	337208.898	2405263.416	85°25'33.44100"	21°44'36.547747"
Balabhadrapur S2	546	337220.635	2405225.711	85°25'33.465912"	21°44'35.325743"
Balabhadrapur S2	547	337164.452	2405611.479	85°25'31.373953"	21°44'47.849656"
Balabhadrapur S2	548	337164.496	2405605.046	85°25'31.377772"	21°44'47.640504"

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Balabhadrapur S2	549	337174.714	2405606.962	85°25'31.732700"	21°44'47.706178"
Balabhadrapur S2	550	337174.250	2405593.021	85°25'31.721469"	21°44'47.252761"
Balabhadrapur S2	551	337164.496	2405590.582	85°25'31.382899"	21°44'47.170254"
Balabhadrapur S2	552	337162.129	2405582.637	85°25'31.303337"	21°44'46.911141"
Balabhadrapur S2	553	337162.927	2405574.823	85°25'31.333865"	21°44'46.657361"
Balabhadrapur S2	554	337173.076	2405577.414	85°25'31.686154"	21°44'46.744949"
Balabhadrapur S2	555	337177.745	2405555.886	85°25'31.856268"	21°44'46.46538"
Balabhadrapur S2	556	337168.583	2405554.976	85°25'31.537737"	21°44'46.13935"
Balabhadrapur S2	557	337169.162	2405535.083	85°25'31.564956"	21°44'45.367344"
Balabhadrapur S2	558	337173.614	2405523.275	85°25'31.724083"	21°44'44.984908"
Balabhadrapur S2	559	337174.764	2405466.629	85°25'31.777074"	21°44'43.793798"
Balabhadrapur S2	560	337173.574	2405518.992	85°25'31.724195"	21°44'44.845650"
Balabhadrapur S2	561	337167.723	2405533.619	85°25'31.515395"	21°44'45.319278"
Balabhadrapur S2	562	337167.070	2405553.205	85°25'31.485733"	21°44'45.955839"
Balabhadrapur S2	563	337161.197	2405580.269	85°25'31.271715"	21°44'46.834500"
Balabhadrapur S2	564	337163.170	2405590.813	85°25'31.336657"	21°44'47.177321"
Balabhadrapur S2	565	337164.146	2405620.085	85°25'31.360239"	21°44'48.129355"
Balabhadrapur S2	566	337174.197	2405663.534	85°25'31.694660"	21°44'49.545364"
Balabhadrapur S2	567	337168.031	2405699.557	85°25'31.467303"	21°44'50.714519"
Balabhadrapur S2	568	337170.657	2405720.893	85°25'31.551129"	21°44'51.409086"
Balabhadrapur S2	569	337181.109	2405761.391	85°25'31.900502"	21°44'52.729264"
Balabhadrapur S2	570	337205.169	2405801.066	85°25'32.723813"	21°44'54.27184"
Balabhadrapur S2	571	337217.497	2405843.889	85°25'33.137678"	21°44'55.623564"
Balabhadrapur S2	572	337255.228	2405938.871	85°25'34.417150"	21°44'58.524223"
Balabhadrapur S2	573	337260.048	2405947.620	85°25'34.581783"	21°44'58.810298"
Balabhadrapur S2	574	337288.164	2406036.240	85°25'35.528910"	21°45'01.700913"
Balabhadrapur S2	575	337299.667	2406036.124	85°25'35.929304"	21°45'01.700934"
Balabhadrapur S2	576	337270.533	2405944.294	85°25'34.947666"	21°44'58.705813"
Balabhadrapur S2	577	337265.294	2405934.346	85°25'34.769082"	21°44'58.380450"
Balabhadrapur S2	578	337227.895	2405840.246	85°25'33.500650"	21°44'55.308598"
Balabhadrapur S2	579	337215.323	2405796.572	85°25'33.78758"	21°44'53.864446"
Balabhadrapur S2	580	337208.194	2405765.023	85°25'32.634750"	21°44'53.506801"
Balabhadrapur S2	581	337196.756	2405765.023	85°25'32.436701"	21°44'53.502814"
Balabhadrapur S2	582	337182.746	2405762.737	85°25'31.966999"	21°44'52.773576"
Balabhadrapur S2	583	337170.357	2405718.216	85°25'31.541630"	21°44'51.321947"
Balabhadrapur S2	584	337169.970	2405693.439	85°25'31.536939"	21°44'50.516239"
Balabhadrapur S2	585	337175.098	2405663.743	85°25'31.725945"	21°44'49.552453"
	Patch-36				
Balabhadrapur S2	586	337558.101	2405107.806	85°25'45.251786"	21°44'31.603840"
Balabhadrapur S2	587	337557.870	2405097.496	85°25'45.247390"	21°44'31.268553"
Balabhadrapur S2	588	337383.343	2405121.895	85°25'39.165060"	21°44'32.4177"
Balabhadrapur S2	589	337369.761	2405126.147	85°25'38.690911"	21°44'32.197931"
Balabhadrapur S2	590	337369.636	2405127.815	85°25'38.686966"	21°44'32.192136"
Balabhadrapur S2	591	337397.075	2405123.460	85°25'39.642400"	21°44'32.59802"
Balabhadrapur S2	592	337397.623	2405129.665	85°25'39.659192"	21°44'32.268667"
Village Name	Pillar No	UTM Coordinates		Geo-graphic Coordinates	
		Easting	Northing	Longitude	Latitude
	Patch-36				
Phulajhar S4	593	338614.610	2405075.676	85°26'22.30686"	21°44'30.906988"
Phulajhar S4	594	338665.866	2405014.226	85°26'23.836007"	21°44'28.925846"
Phulajhar S4	595	338650.789	2405016.688	85°26'23.310483"	21°44'29.069"

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Phulajhar S4	596	338601.833	2405075.382	85°26'21.586135"	21°44'30.693248"
Phulajhar S4	597	338601.823	2405075.837	85°26'21.585633"	21°44'30.908041"
Phulajhar S4	598	338601.433	2405075.862	85°26'21.572035"	21°44'30.908721"
Phulajhar S4	599	338598.776	2405081.445	85°26'21.408011"	21°44'31.88718"
Phulajhar S4	600	338597.777	2405095.858	85°26'21.437780"	21°44'31.557634"

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