



*Proposal for Diversion of Forest Land over 303.066 ha in respect of Bamebari Iron & Manganese Mines Lease Of Tata Steel Limited in Villages Palasa (Ka), Kundaposi, Namira, Jadibahal, Jajanga, Khandbondh & Boneikela under Barbil Tehsil in the Keonjhar district of Odisha*

*Part-I*



**PROPOSAL  
FOR  
DIVERSION OF  
303.066 HECTARES OF FOREST LAND  
WITHIN  
BAMEBARI IRON & MANGANESE MINES  
(Including 66.126 ha of Non-Forest land  
Recorded as Forest in Government Records  
as on 25.10.1980)**

**TATA STEEL LIMITED**



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**DRAWING PLATES**

| PLATE NO. | DRAWING NO.              | SUBJECT  |
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|           | FAMD/L&L/BBM/ 2-C-I/2016 | Plan Showing Mining Lease Area of 233.00 Ha. (Boneikela Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
| III       | FAMD/L&L/BBM /3-A/2016   | Land Use Plan for Forest and Non-Forest Area Already Diverted / Utilized (Bamebari Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).   |
|           | FAMD/L&L/BBM /3-B/2016   | Land Use Plan for Forest and Non-Forest Area Already Diverted / Utilized (Joribar Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
|           | FAMD/L&L/BBM /3-C/2016   | Land Use Plan for Forest and Non-Forest Area Already Diverted / Utilized (Boneikela Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
| IV        | FAMD/L&L/BBM /4-A/2016   | Land Use Plan for Forest and Non-Forest Area for Future Requirement (Bamebari Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
|           | FAMD/L&L/BBM /4-B/2016   | Land Use Plan for Forest and Non-Forest Area for Future Requirement (Joribar Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).   |
|           | FAMD/L&L/BBM /4-C/2016   | Land Use Plan for Forest and Non-Forest Area for Future Requirement (Boneikela Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).   |
| V         | FAMD/L&L/BBM /5-A/2016   | Geological Plan (Bamebari Block) of Bamebari Lease (Scale 1:8000).   |
|           | FAMD/L&L/BBM /5-B/2016   | Geological Plan (Joribar Block) of Bamebari Lease (Scale 1:4000).  |
|           | FAMD/L&L/BBM /5-C/2016   | Geological Plan (Boneikela Block) of Bamebari Lease (Scale 1:4000).  |
| VI        | FAMD/L&L/BBM /6-A/2016   | Plan Showing the Safety Zone Area of Bamebari Block of Bamebari Lease (Scale 16:1 Mile Or 1:3960).   |
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|-------|--|---|
| VII   | FAMD/L&L/BBM /7-A/2016                           | Plan Showing Phase Reclamation and Afforestation of Bamebari Block of Bamebari Lease (Scale 16:1 Mile or 1:3960).   |
|       | FAMD/L&L/BBM /7-B/2016                           | Plan Showing Phase Reclamation and Afforestation of Joribar Block of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
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| VIII  | FAMD/L&L/BBM /8 /2016                            | Skitch Map Showing the Method of Reclamation, Top Soil and Waste Dump Management of Bamebari Lease.   |
| IX    | FAMD/L&L/BBM / 9/2016                            | Plan showing 160.419 ha. out of 209.419 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Telkoi Tahasil of Keonjhar District.      |
| X     | FAMD/L&L/BBM /10 /2016                           | Topo Sheet Plan 160.419 ha. out of 209.419 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Telkoi Tahasil of Keonjhar District.   |
| XI    | FAMD/L&L/BBM /11/2016                            | DGPS Plan showing 160.419 ha. out of 209.419 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Telkoi Tahasil of Keonjhar District. |
| XII   | FAMD/L&L/BBM /12/2016                            | Topo Sheet Plan showing 66.126 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Kankadahad Tahasil of Dhenkanal District.          |
| XIII  | FAMD/L&L/BBM /13/2016                            | Plan showing 66.126 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Kankadahad Tahasil of Dhenkanal District.                     |
| XIV   | FAMD/L&L/BBM /14/2016<br>(3 Sheets)              | Original Lease Plan of Bamebari Iron & Manganese Mines over an area of 1150.55 ha   |
| XV    | FAMD/L&L/BBM /15/2016<br>(5 Sheets)              | Approved Land Use Plan of the diverted forest land within (Bamebari, Joribar & Boneikela Block of Bamebari Lease).  |
| XVI   | FAMD/L&L/BBM /16/2016<br>(18 Sheets of 3 Blocks) | DGPS Map showing the patch wise forest land proposed for diversion along with co-ordinates within Bamebari, Joribar & Boneikela Block of Bamebari Iron & Mn. Mines.     |
| XVII  | FAMD/L&L/BBM /17/2016                            | DGPS Plan showing 66.126 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Kankadahad Tahasil of Dhenkanal District.                |
| XVIII | FAMD/L&L/BBM /18 /2021                           | Topo Sheet Plan showing 49.00 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Banspal Tahasil of Keonjhar District.               |
| XIX   | FAMD/L&L/BBM/19/2021                             | Plan showing 49.00 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Banspal Tahasil of Keonjhar District                           |
| XX    | FAMD/L&L/BBM /20/2021                            | DGPS Plan showing 49.00 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Banspal Tahasil of Keonjhar District.                     |



Proposal for Diversion of Forest Land over 303.066 ha in respect of Bamebari Iron & Manganese Mines Lease Of Tata Steel Limited in Villages Palasa (Ka), Kundaposi, Namira, Jadibahal, Jajanga, Khandbondh & Boneikela under Barbil Tehsil in the Keonjhar district of Odisha

Part-I

ANNEXURE - A

**DIVERSION PROPOSAL FOR BAMEBARI LEASE OF**  
**TATA STEEL LIMITED**  
**FORM - 'A'**

**Form for seeking prior approval under Section 2 of the proposals  
by the State Governments and other authorities**

**PART-I**  
**(to be filled up by user agency)**

|   |  |
|---|--|
| <b>Brief Description of the Project</b> | Reference: Plate No.- I,<br>Survey of India Topo Sheet No.: 73 G/5 & 73 F/8<br>(New Topo Sheet No. F45N5 & F45H8)<br>Longitude : Between<br>Bamebari Block - 85°-25'-00" E and 85°-27'-00" E.<br>Joribar Block - 85°-24'-00" E and 85°-26'-00" E.<br>Boneikela Block- 85°-24'-00" E and 85°-26'-00" E.<br>Latitude : Between<br>Bamebari Block - 21°-53'-00" E and 21°-55'-00" E.<br>Joribar Block - 21°-55'-00" E and 21°-57'-00" E.<br>Boneikela Block- 22°-01'-00" E and 22°-04'-00" E.<br>Villages: Palasa(Ka), Kundaposi, Namira, Bandhuabeda, Jadibahal, Jajang, Boneikela, Thakurani RF and Sidhamath RF. |
| <b>1. Location of the Area</b>          | Sub Division : Champua<br>District : Keonjhar<br>Forest Division : Keonjhar<br>Forest Range : Champua & Barbil<br>Forest Section : Joda.<br>Distance from Joda : 15 Kms.   |
| <b>2. Mineral to be Mined</b>           | Manganese ore and Iron ore.  |
| <b>3. Extent of the Area</b>            | Original M.L. Area : 1150.550 ha<br>Lease Area Applied for Renewal : 464.000 ha<br>Reserve Forest : 170.157 ha.<br>Khesara Forest : 62.844 ha.<br>Non Forest Govt. Land treated as Forest Land as per DLC report. : 149.268 ha.<br>Non Forest Land recorded as Forest in Government Records as on 25.10.1980. : 66.126 ha<br>Total Forest : 448.395 ha.<br>Non-Forest Land : 15.605 ha.<br><b>Grand Total : 464.000 ha.</b>  |



**Proposal for Diversion of Forest Land over 303.066 ha in respect of Bamebari Iron & Manganese Mines Lease Of Tata Steel Limited in Villages Palasa (Ka), Kundaposi, Namira, Jadibahal, Jajanga, Khandbondh & Boneikela under Barbil Tehsil in the Keonjhar district of Odisha**

**Part-I**

| Block  | Reserve Forest   | Khesera Forest | DLC Forest     | NF land recorded as Forest as on 25.10.1980 | Total Forest   | Non-Forest land | TOTAL          |
|--|--|----------------|----------------|---|----------------|-----------------|----------------|
| BAMEBARI   | 0.00   | 0.145          | 70.200         | 59.015                                      | 129.360        | 10.640          | 140.000        |
| JORIBAR  | 0.00   | 4.249          | 79.068         | 6.041                                       | 89.358         | 1.642           | 91.000         |
| BONEIKELA  | 170.157  | 58.450         | 0.00           | 1.070                                       | 229.677        | 3.323           | 233.000        |
| <b>TOTAL</b>   | <b>170.157</b>   | <b>62.844</b>  | <b>149.268</b> | <b>66.126</b>                               | <b>448.395</b> | <b>15.605</b>   | <b>464.000</b> |
| 4. Approximate Reserve of Ore/Mineral  | Proved Reserve Within Forest Land as on 01.04.2020:<br>Mn Ore: 1.393 Million tonnes  |                |                |   |                |                 |                |
| 5. Extent of Surface Right Area Acquired   | a) Bamebari Block - 108.698 ha.<br>b) Jadibahal Block - 90.000 ha.<br>c) Boneikela Block - 104.443 ha.<br><br><b>Total - 303.141 ha.</b>   |                |                |   |                |                 |                |
| 6. Approximate Production of the Mineral Envisaged   | Manganese Ore: 83,200 Tonne/ annum (max)<br>Iron Ore: 10,000 Tonne/ annum of incidental Iron ore production may be done during the mining of Manganese Ore as per the approved Mining Plan/ Review of Mining Plan. However, Iron production may increase in future to cater the requirement of downstream steel production at company existing plant at Jamshedpur and Kalinganagar after taking necessary permissions and approvals under the statute.  |                |                |   |                |                 |                |
| 7. Approximate Value of the Ore/Mineral to be produced (Per Annum)                         | Manganese Ore : 117.378 Crores<br>Iron Ore : 5.826 Crores<br>-----<br>Total (Rs.) : 123.204 Crores<br>Note: the value of Ore/ Mineral has been calculated based on the prevailing IBM prices being published from time to time.  |                |                |   |                |                 |                |
| 8. Utilization of Minerals Produced (Whether to be Utilized in Industry or to be exported) | Manganese ore will continue to be utilized at Company's Ferro Alloys Plants and Co's Steel Plants. Iron ore that shall be produced incidentally during Manganese ore excavation will be utilized at Co's Steel Plants & other Plants in group.<br><br>The Company with its on-going expansion of its Steel making capacities envisages the enhancing of Ferro Manganese production capacity at its exiting Ferro Alloys Plant at Joda from 0.0504 MTPA to 0.060 MTPA, installing new silico manganese plant of 0.060 MTPA and one sinter plant of 0.050 MTPA within the existing plant at Joda. The Public hearing for the purpose was successfully completed on 12.11.2014 and presentation was made before EAC on 26.03.2015 and on 02.07.2015. Subsequently, MoEF & C.C was pleased to grant the Environmental Clearance for the aforesaid purpose vide Letter F.No. J-11011/03/2012-IA II (I) dated 5th November 2015. |                |                |   |                |                 |                |



|   |   |
|---|---|
|   | <p>Further, company has proposal to acquire Silico Manganese (SiMn) capacities of 50000 TPA for greater value addition to the low grade and medium grade ore produced during the mining operation which otherwise has no other use.</p>   |
| 9. Why the Project is Required  | <p>The Company is planning and implementing a growth plan, which is expected to increase the steel making capacities both at existing Jamshedpur Steel Plant, Kalinganagar steel plants and newly acquired steel facilities in the eastern part of the country with corresponding increase of its Ferro/Silico Manganese Alloys requirement. The Steel Company has invested substantial amount to develop the mine and other infrastructural facilities. The Project is essential to cater to the need of enhanced requirement of Manganese Ore in Co's Ferro Alloys Plants, which will be subsequently used in our Steel Plants. Iron ore that will be produced incidentally during Manganese ore excavation will be utilized at Co's Steel Plants &amp; other Plants in group. Further we are also trying to get environmental Clearance to include iron ore as a product and after we get the same, iron ore excavated will cater to the needs of the company.</p>   |
| 10. Utilization of Minerals Produced (Whether to be Utilized in Industry or to be exported) | <p>Manganese ore will continue to be utilized at Company Ferro Alloys Plants which subsequently will be used in the Co's Steel Plants.</p> <p>Iron ore that shall be produced incidentally during Manganese ore excavation will be utilized at Co's Steel Plants &amp; other Plants in group.</p> <p>The Company with its on-going expansion of its Steel making capacities envisages enhancing the Ferro manganese production capacity at its exiting Ferro Alloys Plant at Joda from 0.0504 MTPA to 0.060 MTPA, installing new silico manganese plant of 0.060 MTPA and one sinter plant of 0.050 MTPA within the existing plant at Joda. The Public hearing for the purpose was successfully completed on 12.11.2014 and presentation was made before EAC on 26.03.2015 and on 02.07.2015. Subsequently, MoEF &amp; C.C was pleased to grant the Environmental Clearance for the aforesaid purpose vide Letter F.No.: J-11011/03/2012-IA II (I) dated 5th November 2015.</p> <p>Further, company has proposal to acquire Silico Manganese (SiMn) capacities of 50000 TPA for greater value addition to the low grade and medium grade ore produced during the mining operation which otherwise has no other use.</p> |
| 11. Why the Project is required   | <p>The Company is planning and implementing a growth plan, which is expected to increase the steel making capacities both at existing Jamshedpur Steel Plant, Kalinganagar steel plants and newly acquired steel facilities in the eastern part of the country with corresponding increase of its Ferro/ Silico Manganese Alloys requirement. The Steel Company has invested substantial amount to develop the mine and other infrastructural facilities. The Project is essential to cater to the need of enhanced requirement of Manganese Ore in Co's Ferro Alloys Plants, which will be subsequently used in our Steel Plants. Iron ore that will be produced incidentally during Manganese ore excavation will be utilized at Co's Steel Plants &amp; other Plants in group. Further we are also trying to get environmental Clearance to include iron ore as a product and after we get the same, iron ore excavated will cater to the needs of the company.</p>  |
| 12. What will be the mandays generated per Annum  | <p>1,36,800 Mandays per annum will be generated out of this project.</p>  |



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| <p><b>13. Site for Dumping of Overburden</b></p> | <p>The manganese ore deposit within the lease area is entirely pocket type for which huge overburden excavation is required. The pit development will be carried out with stripping ratio of 1: 2.33 (T: CuM) by which ~41 lakh cum of overburden will be generated. Overburden will be dumped over the non-mineralized area. Concurrent back filling will also be undertaken once the pit is exhausted. Considering these aspects, additional 56.101 ha of forest land is required for disposal of over burden.</p> <p>The details are given in Land use Plan (Plate No. IV A,B &amp; C) and Justification [Annexure -I(A) ]</p> |
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|-------------------------------|--|
| <p><b>Project details</b></p> | <p>: Bamebari mining lease over an area of 1150.550 ha comprises of 3 blocks namely Bamebari, Joribar and Boneikela under Barbil Tahasil of Keonjhar District and was sanctioned in favour of M/s. Tata Steel Ltd by the Maharaja of Keonjhar for 30 years with effect from 1.04.1930 to 31.03.1960. This lease was renewed by Government in Department of Mining &amp; Geology and lease deed was executed on 28.04.1971 for a period of 20 years with effect from 1.04.1960 to 31.03.1980. The 2<sup>nd</sup> renewal of the above lease was sanctioned by Government in Department of Mining &amp; Geology's letter No. 2851/MG dated 16.02.1982 for 20 years from 01.04.1980 to 31.03.2000 for mining of Manganese &amp; Manganiferous Iron Ore.</p> <p style="text-align: right;"><b>Annexure-I</b></p> <p>Tata Steel Limited had applied 3<sup>rd</sup> renewal vide RML No.700 dated 5.01.1999 for Bamebari Iron &amp; Manganese lease covering an area of 464.000 hectares (Bamebari Block 140.000 ha, Joribar Block 91.000 ha and Boneikela Block 233.000 ha) confining to villages Palasa(Ka), Kundaposi, Namira, Bandhuabeda, Jadibahal, Jajang, Boneikela, Thakurani RF and Sidhamath RF as per rule 24(A)(1) of Mineral Concession Rules-1960. The 3<sup>rd</sup> renewal was under active consideration of the Government.</p> <p>As per Orders of the Hon'ble Supreme Court dated 02.05.2014 in I.A. No. 3763 of 2014 and 16.05.2014 in Common Cause (supra), the Company was asked by Deputy Director of Mines, Joda to stop mining operations in the Bamebari Iron &amp; Manganese Mines and accordingly Company stopped mining operations &amp; communicated the same to the Deputy Director of Mines vide letter No GM/OMQ/42/16-A, dated 17.05.2014. The Company thereafter kept following up with the State Government to issue its Express Orders under Section 8(3) of the MMDR Act, 1957.</p> <p>That on 31.05.2014, the State Government, Steel and Mines Dept. GoO vide order No. III (A) SM-06/2006 4076/SM, Bhubaneswar, issued Express Orders under Section 8(3) of the MMDR Act in respect of the Bamebari Iron &amp; Manganese Mines of the Company.</p> <p style="text-align: right;"><b>Annexure-XVII</b></p> <p>That on 31.05.2014, the Company communicated its acceptance of the terms and conditions mentioned in the aforesaid Express Order dated 31.05.2014 vide letter No. TSL/ML/0925/2014 to the Additional Secretary to Government, Steel and Mines Department, Government of Odisha. The Deputy Director Mines vide letter No 2338/Mines dated 31.05.2014 allowed to resume mining operation.</p> <p>Subsequently the State Government vide letter No III(A) SM-14/2006 3298/SM dated 18.04.2015 extended the validity period of Bamebari lease up to 31.03.2030 under section of 8A of the MMDR Amendment Act,2015.</p> <p style="text-align: right;"><b>Annexure-XVIII</b></p> <p>Accordingly, Supplementary Lease Deed was executed and registered on dated 08.05.2015 in respect of Bamebari Iron &amp; Manganese Mines.</p> <p style="text-align: right;"><b>Annexure-XIX</b></p> <p>Tata Steel Ltd applied for Surrendering of the relinquished area over 686.550 ha. out of 1150.550 ha. of the Mining Lease vide letter No. MPP/L&amp;L/844/15 dated 30.11.2015, the Survey &amp; demarcation of the Surrendered area has been completed by ORSAC and the said application is under process.</p> <p>The copy of the forwarding letter of the application is enclosed herewith as</p> <p style="text-align: right;"><b>Annexure No. XXIV</b></p> |
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The Company submits that it has all other statutory clearances in respect of its Bamebari Iron & Manganese Mines which are set out hereunder:

- a) Environment Clearance granted vide Ref. No. J-11015/85/2004-IA.II(M), Dt.17.11.2005 for 0.83 LTPA of Manganese Ore.

**Annexure-VIII**

- b) Consent to Operate granted vide Ref No. 3623/IND-I-CON-189, Dt.10.03.2021 valid up to 31.03.2022.

**Annexure-VI**

- c) Review of Mining Plan approved vide Ref. No RMP/A/08-ORI/BHU/2020-21, Dt. 03.08.2020.

**Annexure-VII**

- d) Stage-II Forest Clearance granted vide Ref. No. 8-72/2004-FC, Dt 25.01.2007 over an area of 145.329 ha of forest land.

**Annexure-XII**

The location of Bamebari Iron & Manganese Mines, lease falls in Survey of India Topo Sheet No. : 73 G/5 & 73 F/8 (New Topo Sheet No. F45N5 & F45H8).

Tata steel is planning and implementing a growth plan, which is expected to increase the steel making capacities with corresponding increase of its Ferro Manganese Alloys production & Silico Manganese Alloy. The Steel Company has invested large amount to develop the mine and other infrastructural facilities.

The Project is situated under Joda Forest Section, Champua Forest Range and Beleipada Forest Section under Barbil Range of Keonjhar Forest Division, in the State of Orissa. The lease area is coming under Sidhamath & Thakurani R.F, Khesara Forest, DLC Forest land and Non-Forest land recorded as Forest as on 25.10.1980 as well as Government Non-Forest Land and Tenanted land.



|   |   |  |                |            |               |           |            |            |   |           |                          |                   |                  |           |                                |                   |
|---|---|--|----------------|------------|---------------|-----------|------------|------------|---|-----------|--------------------------|-------------------|------------------|-----------|--------------------------------|-------------------|
| i)  | <b>Short narrative of the proposal and project/ scheme for which the forest land is required.</b> | <p>Bamebari Iron &amp; Manganese Mine consists of 464.000 Ha. of Lease area.</p> <p>The details of lease area are as under:</p> <table border="0"><tr><td>Reserve Forest</td><td>170.157 ha</td></tr><tr><td>Khesra Forest</td><td>62.844 ha</td></tr><tr><td>DLC Forest</td><td>149.268 ha</td></tr><tr><td>NF land recorded as Forest as on 25.10.1980</td><td>66.126 ha</td></tr><tr><td><b>Total Forest Land</b></td><td><b>448.395 ha</b></td></tr><tr><td>Non- Forest Land</td><td>15.605 ha</td></tr><tr><td><b>Total Mining Lease Area</b></td><td><b>464.000 ha</b></td></tr></table> <p>The lease has been obtained for both Manganese and Iron ore for primarily supplying to Company's Plants and conversion agents and final product to be utilized in company steel plant, for sale and export.</p> <p>This mine is one of the major sources of supply of Manganese Ore for use in our Ferro Manganese Plant at Joda and there is a proposal for expansion of this Plant for increased production. We are also producing other value added Ferro Alloy products by having conversion arrangements with other plants. Within the lease area of 464.000 ha, the forest land constitutes 448.395 ha (170.157 RF + 62.844 ha KF + 149.268 ha DLC forest land as per DLC report+ 66.126 ha of non-forest land recorded as forest in Government records as on 25.10.1980) and 15.605 ha of non-forest land. The MoEF, Govt of India under Stage-II Clearance granted approval for diversion of 145.329 ha forest area (including 85.029 ha. Broken up prior to 1980) &amp; an area of 3.097 ha was approved as safety zone vide letter no. F.No.8-72/2004-FC dated 25<sup>th</sup> January'2007.</p> <p style="text-align: right;"><b>Annexure-XII</b></p> | Reserve Forest | 170.157 ha | Khesra Forest | 62.844 ha | DLC Forest | 149.268 ha | NF land recorded as Forest as on 25.10.1980 | 66.126 ha | <b>Total Forest Land</b> | <b>448.395 ha</b> | Non- Forest Land | 15.605 ha | <b>Total Mining Lease Area</b> | <b>464.000 ha</b> |
| Reserve Forest                              | 170.157 ha  |  |                |            |               |           |            |            |   |           |                          |                   |                  |           |                                |                   |
| Khesra Forest                               | 62.844 ha   |  |                |            |               |           |            |            |   |           |                          |                   |                  |           |                                |                   |
| DLC Forest                                  | 149.268 ha  |  |                |            |               |           |            |            |   |           |                          |                   |                  |           |                                |                   |
| NF land recorded as Forest as on 25.10.1980 | 66.126 ha   |  |                |            |               |           |            |            |   |           |                          |                   |                  |           |                                |                   |
| <b>Total Forest Land</b>                    | <b>448.395 ha</b>   |  |                |            |               |           |            |            |   |           |                          |                   |                  |           |                                |                   |
| Non- Forest Land                            | 15.605 ha   |  |                |            |               |           |            |            |   |           |                          |                   |                  |           |                                |                   |
| <b>Total Mining Lease Area</b>              | <b>464.000 ha</b>   |  |                |            |               |           |            |            |   |           |                          |                   |                  |           |                                |                   |



As per Stage-I approval of MoEF vide letter No **8-72/2004-FC dated 26.05.2005**, the Company had deposited the following forest dues :

| <b>Items</b>                                   | <b>In Rupees</b>    |
|--|---------------------|
| 1. Cost of compensatory afforestation          | 23,50,000.00        |
| 2. Infrastructural facilities                  | 7,00,000.00         |
| 3. Protection of Safety Zone                   | 96,400.00           |
| 4. Afforestation over 1.5 times of Safety Zone | 1,75,000.00         |
| 5. NPV (Including Sabik Forest)                | 31,57,80,000.00     |
| 6. Wild life protection Plan                   | 1,99,52,000.00      |
| 7. Site Specific W.L Conservation Plan         | 4,69,81,000.00      |
| <b>Grand Total:</b>                            | <b>386034400.00</b> |

Company has subsequently, submitted a proposal for diversion of 209.419 ha of forest land and it was returned to submit online for the entire forest land. (**State Sl. No 433 dt 27.10.2010**).

Pursuant to guidelines issued from MoEF & C.C vide F.No.8-87/1996-FC (pt.) dated 10.03.2015 & F.No.8-78/1996-FC (pt.) dated 09.03.2016, we had been following up with the office of Asst. Settlement Officer, Keonjhar and Tahasildar, Barbil and as per the details provided by the said offices, the extent of areas came to be 66.126 ha, which were recorded as forest in Government records as on 25.10.1980.

**As such the present diversion proposal is being filed for 303.066 ha i.e 236.940 ha of balance forest land and 66.126 ha of Non-forest land recorded as forest in government records as on 25.10.1980.**

On our application, the Collector & District Magistrate, Keonjhar vide letter No. 2181/Rev dated 26.09.2015 allotted of 209.419 ha of Govt. Non-forest land and also the Deputy Collector, Revenue, Collectorate, Dhenkanal vide letter No. II-53/16/1185 dated 20.07.2016 also allotted an area measuring 66.126 ha against the non-forest land termed as forest as on 25.10.1980 for raising Compensatory Afforestation, in total 275.545 ha, excluding safety zone, in lieu of the present Forest Diversion Proposal of 303.066 ha.

Meanwhile, the Tahasildar, Telkoi vide letter No. 1150/ dated 21.06.2019 intimated that an area measuring 48.4194 ha has been allotted to villagers from the already allotted CA Land of 209.419 for Bamebari Iron & Mn. Mines under Telkoi, Tahasil and advised TSL to identify fresh non-forest land measuring 49.00 ha of Government Non-Forest land elsewhere within the Keonjhar District. Pursuant to the same TSL vide letter no. BIMM/L&L/558/2019 dated 23.07.2019 requested the Collector & DM, Keonjhar to allot 49.00 ha additional non forest land as advised by the Tahasildar, Telkoi.

The Collector & District Magistrate, Keonjhar vide letter No. 1837/Rev/Dt. 24.09.2020 pleased to allot fresh area measuring 49.00 ha of Government Non-Forest land in Village-Sudanga of Banspal Tahasil for raising Compensatory Afforestation.

**Annexure-XX series**



|      |   |  |
|------|---|--|
|      |   | <p>The DFO, Keonjhar, therefore vide Letter No. 4750/Mining dated 27.06.2016 had requested Tata Steel Ltd to deposit an amount of Rs. 4, 82, 71,980/- towards NPV for the said area of 66.126 ha and vide letter No. BMM/L&amp;L/423/2016 dated 27.06.2016 Tata Steel Ltd. intimated the DFO, Keonjhar about the payment made as per the aforesaid demand against NPV.</p> <p style="text-align: right;"><b>Annexure-XXI</b></p> <p>Tata Steel Ltd vide Letter No. BMM/L&amp;L/585/2016 dated 9.9.2016 requested the Collector &amp; District Magistrate, Keonjhar to issue necessary certificate under FRA, 2006 for the forest land proposed to be diverted.</p> <p style="text-align: right;"><b>Annexure-XXII</b></p> <p>Under this proposal, 303.066 ha fresh forest land which includes an area 115.308 ha of Reserve Forest, 48.893 ha of Khesera Forest and 72.739 ha of DLC Forest and 66.126 ha of Non forest land recorded as forest in government records as on 25.10.1980, has been sought for diversion. Further in this diversion proposal an area of 27.862 ha has been proposed for diversion as Safety Zone.</p>   |
| ii)  | Map showing the required forest land, boundary of adjoining forest on a 1:50,000 scale map.   | : Location Plan bearing Drawing. Plate No. FAMD/L&L/BBM/01/2016 showing the details is annexed as drawing <b>PLATE- I</b> .  |
| iii) | Cost of the project.  | : Total cost of Project is Rs. 46.33 Crores.   |
| iv)  | Justification for locating the project in forest area   | : It can be seen from Geological Plan ( <b>Plate-V</b> ) intensive mineralized zone of Manganese and Iron ores occur both in forest land already diverted and virgin forest areas now requested for diversion and as such, to cater to enhanced requirements, mining has to be done in the forest areas. The dumping of overburden linked with mining operation is planned in forest land to be diverted. However, certain essential activities which shall be temporarily required considering its proximity with the mining pits viz. storage of mineral and topsoil, mineral separation plant shall require fresh forest land (non-mineralized zone). Accordingly, 303.066 ha of fresh forest land is required for diversion to fulfill the supply of Manganese ore to lessee's Ferro Manganese Plant at Joda, Company's Steel Plants & other Plants in group.<br>The Manganese Ore produced from this mine are being supplied to lessee's Ferro Alloys Plant, at Joda for production of Ferro Manganese Alloy & Silico Manganese Alloy which in turn is used for producing different grades of steel. There is a proposal for expansion of this Plant for increased production.<br>Iron ore that shall be produced incidental to the manganese ore production will also be utilized at Co's Steel Plants and sister concerns. The detailed justification is separately enclosed as Annexure-I (A). |
| v)   | Cost benefit analysis   | : Furnished vide Annexure- XVI   |
| vi)  | Employment likely to be generated   | : In Bamebari Iron & Manganese Mines, the additional employment likely to be generated directly is 456 & indirectly is 296.  |
| 2.   | Purpose-wise break-up of the total land required (already diverted and proposed). Details given below and indicated in the Land Use Plan bearing Drawing No FAMD/L&L/BBM /4-A/2016, FAMD/L&L/BBM /4-B/2016, FAMD/L&L/BBM /4-C/2016 is annexed as drawing <b>Plate-IV A, B and C</b> . |  |



**Proposal for Diversion of Forest Land over 303.36 ha in respect of Bamebari Iron & Manganese Mines Lease Of Tata Steel Limited in Villages Palasa (Ka), Kundaposi, Namira, Jadibahal, Jajanga, Khandbondh & Boneikela under Barbil Tehsil in the Keonjhar district of Odisha**

**Part-I**

**LAND USE PATTERN OF ALREADY APPROVED AREA & FUTURE REQUIREMENT OF FOREST LAND APPLIED FOR DIVERSION (AREA IN HECTS.) TILL 31.03.2030 (Ref. Plate – IV) (BAMEBARI, JORIBAR & BONEIKELA BLOCKS)  
(LEASE AREA :464.000 Ha.)**

| Sl. No. | Purpose   | Forest Area already Approved (in HA.) and Broken-up Non-forest land recorded as Forest as on 25.10.1980. |               |               |                |  |                                   | Future Requirement of Fresh Forest Land (in HA.) |                |               |               |  |                | Grand Total   |  |                |
|---------|---|--|---------------|---------------|----------------|--|-----------------------------------|--|----------------|---------------|---------------|--|----------------|---------------|--|----------------|
|         |   | RF   | KF            | DLC           | Total          | Broken up Non-forest land recorded as Forest as on 25.10.1980 (In Ha.) | Non-forest land utilized (In Ha.) | Total  | RF             | KF            | DLC           | Future Requirement of Non-forest land recorded as Forest as on 25.10.1980 (In Ha.) | Total Forest   |               | Future Requirement of Non-forest land (In Ha.) | Total          |
| 1       | Mining  | 38.442   | 8.104         | 40.040        | 86.586         | 2.390  | 0.705                             | 89.681   | 79.103         | 10.133        | 38.675        | 7.842  | 135.753        | 1.370         | 137.123  | 226.804        |
| 2       | Storing Mineral / Top soil                        | 2.200  | 1.800         | 3.297         | 7.297          | 5.000  | 0.000                             | 12.297   | 9.350          | 9.497         | 7.676         | 2.313  | 28.836         | 1.813         | 30.649   | 42.946         |
| 3       | Dumping of Over Burden                            | 10.637   | 2.827         | 25.222        | 38.686         | 8.554  | 0.137                             | 47.377   | 16.740         | 18.668        | 15.963        | 4.730  | 56.101         | 2.322         | 58.423   | 105.800        |
| 4       | Plant, workshop, Storing Tools & Machineries      | 0.480  | 0.000         | 0.000         | 0.480          | 0.319  | 0.421                             | 1.220  | 0.000          | 1.231         | 0.840         | 2.540  | 4.611          | 0.651         | 5.262  | 6.482          |
| 5       | Construction of Building, Power Station, Workshop | 0.350  | 0.000         | 0.190         | 0.540          | 3.242  | 0.352                             | 4.134  | 0.000          | 0.000         | 0.000         | 0.000  | 0.000          | 0.000         | 0.000  | 4.134          |
| 6       | Township & Housing Colony                         | 0.000  | 0.000         | 3.100         | 3.100          | 19.465   | 1.246                             | 23.811   | 0.000          | 0.000         | 0.000         | 0.000  | 0.000          | 5.057         | 5.057  | 28.868         |
| 7       | Construction of Road, Ropeway & Rly Line          | 2.740  | 1.220         | 4.680         | 8.640          | 3.453  | 0.117                             | 12.210   | 2.560          | 0.969         | 0.310         | 1.974  | 5.813          | 0.000         | 5.813  | 18.023         |
| 8       | Magazine  | 0.000  | 0.000         | 0.000         | 0.000          | 0.000  | 0.000                             | 0.000  | 0.000          | 0.000         | 0.000         | 0.000  | 0.000          | 0.000         | 0.000  | 0.000          |
|         | <b>SUB TOTAL</b>                                  | <b>54.849</b>  | <b>13.951</b> | <b>76.529</b> | <b>145.329</b> | <b>42.423</b>  | <b>2.978</b>                      | <b>190.730</b>                                   | <b>107.753</b> | <b>40.498</b> | <b>63.464</b> | <b>19.399</b>  | <b>231.114</b> | <b>11.213</b> | <b>242.327</b>                                 | <b>433.057</b> |
| 9       | Safety Zone                                       | 1.020  | 0.112         | 1.965         | 3.097          | 0.476  | 0.854                             | 4.427  | 6.535          | 8.283         | 7.310         | 2.161  | 24.289         | 0.560         | 24.849   | 29.276         |
| 10      | Green Belt  | 0.000  | 0.000         | 0.000         | 0.000          | 0.000  | 0.000                             | 0.000  | 0.000          | 0.000         | 0.000         | 1.667  | 1.667          | 0.000         | 1.667  | 1.667          |
|         | <b>TOTAL</b>                                      | <b>55.869</b>  | <b>14.063</b> | <b>78.494</b> | <b>148.426</b> | <b>42.899</b>  | <b>3.832</b>                      | <b>195.157</b>                                   | <b>114.288</b> | <b>48.781</b> | <b>70.774</b> | <b>23.227</b>  | <b>257.070</b> | <b>11.773</b> | <b>268.843</b>                                 | <b>464.000</b> |

**FOR TATA STEEL LTD.**

By their Constituted Attorney

*Sabyasachi Mishra*

(SABYASACHY MISHRA)  
Head Mine Planning  
TATA STEEL LTD.



Proposal for Diversion of Forest Land over 303.36 ha in respect of Bamebari Iron & Manganese Mines Lease Of Tata Steel Limited in Villages Palasa (Ka), Kundaposi, Namira, Jadibahal, Jajanga, Khandbondh & Boneikela under Barbil Tehsil in the Keonjhar district of Odisha

Part-I

**LAND USE PATTERN OF ALREADY APPROVED AREA & FUTURE REQUIREMENT OF FOREST LAND APPLIED FOR DIVERSION (AREA IN HECTS.) TILL 31.03.2030 (Ref. Plate - IV) (BAMEBARI BLOCK)  
(LEASE AREA: 140.000Ha.)**

| Sl. No. | Purpose   | Forest Area already Approved (in HA.) and Broken up |       |        |        |  |                                   | Future Requirement of Fresh Forest Land (in HA.) |       |       |        |  |              | Grand Total |  |         |
|---------|---|---|-------|--------|--------|--|-----------------------------------|--|-------|-------|--------|--|--------------|-------------|--|---------|
|         |   | RF  | KF    | DLC    | Total  | Broken up Non-forest land recorded as Forest as on 25.10.1980 (In Ha.) | Non-forest land utilized (In Ha.) | Total  | RF    | KF    | DLC    | Future Requirement of Non-forest land recorded as Forest as on 25.10.1980 (in Ha.) | Total Forest |             | Future Requirement of Non-forest land (in Ha.) | Total   |
| 1       | Mining  | 0.000   | 0.000 | 28.265 | 28.265 | 2.390  | 0.000                             | 30.655   | 0.000 | 0.000 | 13.850 | 7.360  | 21.210       | 0.000       | 21.210   | 51.865  |
| 2       | Storing Mineral / Ore/Top soil                    | 0.000   | 0.000 | 0.000  | 0.000  | 5.000  | 0.000                             | 5.000  | 0.000 | 0.000 | 1.891  | 2.313  | 4.204        | 1.100       | 5.304  | 10.304  |
| 3       | Dumping of Over Burden                            | 0.000   | 0.145 | 17.500 | 17.645 | 8.554  | 0.000                             | 26.199   | 0.000 | 0.000 | 0.913  | 4.730  | 5.643        | 2.303       | 7.946  | 34.145  |
| 4       | Plant, Workshop, Storing Tools & Machineries etc. | 0.000   | 0.000 | 0.000  | 0.000  | 0.319  | 0.421                             | 0.740  | 0.000 | 0.000 | 0.000  | 2.540  | 2.540        | 0.160       | 2.700  | 3.440   |
| 5       | Construction of Building Power Station Workshop   | 0.000   | 0.000 | 0.070  | 0.070  | 1.930  | 0.000                             | 2.000  | 0.000 | 0.000 | 0.000  | 0.000  | 0.000        | 0.000       | 0.000  | 2.000   |
| 6       | Township Housing Colony                           | 0.000   | 0.000 | 0.000  | 0.000  | 16.011   | 0.566                             | 16.577   | 0.000 | 0.000 | 0.000  | 0.000  | 0.000        | 5.057       | 5.057  | 21.634  |
| 7       | Construction of Road Ropeway Rly Line             | 0.000   | 0.000 | 1.320  | 1.320  | 1.780  | 0.117                             | 3.217  | 0.000 | 0.000 | 0.000  | 1.974  | 1.974        | 0.000       | 1.974  | 5.191   |
| 8       | Magazine  | 0.000   | 0.000 | 0.000  | 0.000  | 0.000  | 0.000                             | 0.000  | 0.000 | 0.000 | 0.000  | 0.000  | 0.000        | 0.000       | 0.000  | 0.000   |
|         | SUB TOTAL   | 0.000   | 0.145 | 47.155 | 47.300 | 35.984   | 1.104                             | 84.388   | 0.000 | 0.000 | 16.654 | 18.917   | 35.571       | 8.620       | 44.191   | 128.579 |
| 9       | Safety Zone                                       | 0.000   | 0.000 | 1.455  | 1.455  | 0.314  | 0.656                             | 2.425  | 0.000 | 0.000 | 4.936  | 2.133  | 7.069        | 0.260       | 7.329  | 9.754   |
| 10      | Green Belt  | 0.000   | 0.000 | 0.000  | 0.000  | 0.000  | 0.000                             | 0.000  | 0.000 | 0.000 | 0.000  | 1.667  | 1.667        | 0.000       | 1.667  | 1.667   |
|         | TOTAL   | 0.000   | 0.145 | 48.610 | 48.755 | 36.298   | 1.760                             | 86.813   | 0.000 | 0.000 | 21.590 | 22.717   | 44.307       | 8.880       | 53.187   | 140.000 |

FOR TATA STEEL LTD.

By their Constituted Attorney

*Sabyasachi Mishra*

(SABYASACHY MISHRA)

Head Mine Planning

TATA STEEL LTD.



Proposal for Diversion of Forest Land over 303.56 ha in respect of Bamebari Iron & Manganese Mines Lease Of Tata Steel Limited in Villages Palasa (Ka), Kundaposi, Namira, Jadibahal, Jajanga, Khandbondh & Boneikela under Barbil Tehsil in the Keonjhar district of Odisha

Part-I

**LAND USE PATTERN OF ALREADY APPROVED AREA & FUTURE REQUIREMENT OF FOREST LAND APPLIED FOR DIVERSION (AREA IN HECTS.) TILL 31.03.2030 (Ref. Plate - IV) (JORIBAR BLOCK)**  
(LEASE AREA: 91.000Ha.)

| Sl. No. | Purpose   | Forest Area already Approved and Broken-up (in HA.) |       |        |        |  |                                   | Future Requirement of Fresh Forest Land (in HA.) |       |        |       |  |              | Grand Total |  |
|---------|---|---|-------|--------|--------|--|-----------------------------------|--|-------|--------|-------|--|--------------|-------------|--|
|         |   | RF  | KF    | DLC    | Total  | Broken up Non-forest land recorded as Forest as on 25.10.1980 (In Ha.) | Non-forest land utilized (In Ha.) | Total  | RF    | KF     | DLC   | Future Requirement of Non-forest land recorded as Forest as on 25.10.1980 (In Ha.) | Total Forest |             | Future Requirement of Non-forest land (In Ha.) |
| 1       | Mining  | 0.000   | 1.335 | 11.775 | 13.110 | 0.000  | 0.000                             | 0.000  | 0.000 | 24.825 | 0.482 | 25.307   | 0.000        | 25.307      | 38.417   |
| 2       | Storing Mineral / Top soil                      | 0.000   | 0.000 | 3.297  | 3.297  | 0.000  | 0.000                             | 3.297  | 0.000 | 5.785  | 0.000 | 5.785  | 0.000        | 5.785       | 9.082  |
| 3       | Dumping of Over Burden                          | 0.000   | 2.445 | 7.722  | 10.167 | 0.000  | 0.000                             | 10.167   | 0.000 | 15.050 | 0.000 | 15.050   | 0.000        | 15.050      | 25.217   |
| 4       | Storing Tools & Machineries etc.                | 0.000   | 0.000 | 0.000  | 0.000  | 0.000  | 0.000                             | 0.000  | 0.000 | 0.840  | 0.000 | 0.840  | 0.322        | 1.162       | 1.162  |
| 5       | Construction of Building Power Station Workshop | 0.000   | 0.000 | 0.120  | 0.120  | 1.312  | 0.352                             | 1.784  | 0.000 | 0.000  | 0.000 | 0.000  | 0.000        | 0.000       | 1.784  |
| 6       | Township/Housing colony                         | 0.000   | 0.000 | 3.100  | 3.100  | 3.454  | 0.680                             | 7.234  | 0.000 | 0.000  | 0.000 | 0.000  | 0.000        | 0.000       | 7.234  |
| 7       | Construction of Road Ropeway Rly Line           | 0.000   | 0.220 | 3.360  | 3.580  | 0.607  | 0.000                             | 4.187  | 0.000 | 0.310  | 0.000 | 0.310  | 0.000        | 0.310       | 4.497  |
| 8       | Magazine  | 0.000   | 0.000 | 0.000  | 0.000  | 0.000  | 0.000                             | 0.000  | 0.000 | 0.000  | 0.000 | 0.000  | 0.000        | 0.000       | 0.000  |
|         | SUB TOTAL                                       | 0.000   | 4.000 | 29.374 | 33.374 | 5.373  | 1.032                             | 39.779   | 0.000 | 46.810 | 0.482 | 47.292   | 0.322        | 47.614      | 87.393   |
| 9       | Safety Zone                                     | 0.000   | 0.112 | 0.510  | 0.622  | 0.162  | 0.198                             | 0.982  | 0.000 | 2.374  | 0.024 | 2.535  | 0.090        | 2.625       | 3.607  |
| 10      | Green Belt                                      | 0.000   | 0.000 | 0.000  | 0.000  | 0.000  | 0.000                             | 0.000  | 0.000 | 0.000  | 0.000 | 0.000  | 0.000        | 0.000       | 0.000  |
|         | TOTAL   | 0.000   | 4.112 | 29.884 | 33.996 | 5.535  | 1.230                             | 40.761   | 0.000 | 49.184 | 0.506 | 49.827   | 0.412        | 50.239      | 91.000   |

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Part-I

**LAND USE PATTERN OF ALREADY APPROVED AREA & FUTURE REQUIREMENT OF FOREST LAND APPLIED FOR DIVERSION (AREA IN HECTS.) TILL 31.03.2030 (Ref. Plate - IV) ( BONEIKELA BLOCK)**  
(LEASE AREA: 233.000Ha.)

| Sl. No. | Purpose   | Forest Area already Approved and Broken up (in HA.) |       |       |        |   |                                   | Future Requirement of Fresh Forest Land (in HA.) |         |        |       |  |              | Grand Total |  |         |
|---------|---|---|-------|-------|--------|---|-----------------------------------|--|---------|--------|-------|--|--------------|-------------|--|---------|
|         |   | RF  | KF    | DLC   | Total  | Broken up Non-forest land recorded as Forest as on 25.10.1980(In Ha.) | Non-forest land utilized (In Ha.) | Total  | RF      | KF     | DLC   | Future Requirement of Non-forest land recorded as Forest as on 25.10.1980 (In Ha.) | Total Forest |             | Future Requirement of Non-forest land (In Ha.) | Total   |
| 1       | Mining  | 38.442  | 6.769 | 0.000 | 45.211 | 0.000   | 0.705                             | 45.916   | 79.103  | 10.133 | 0.000 | 0.000  | 89.236       | 1.370       | 90.606   | 136.522 |
| 2       | Storing Mineral / Top Soil                      | 2.200   | 1.800 | 0.000 | 4.000  | 0.000   | 0.000                             | 4.000  | 9.350   | 9.497  | 0.000 | 0.000  | 18.847       | 0.713       | 19.560   | 23.560  |
| 3       | Dumping of Over Burden                          | 10.637  | 0.237 | 0.000 | 10.874 | 0.000   | 0.137                             | 11.011   | 16.740  | 18.668 | 0.000 | 0.000  | 35.408       | 0.019       | 35.427   | 46.438  |
| 4       | Storing Tools & Machineries                     | 0.480   | 0.000 | 0.000 | 0.480  | 0.000   | 0.000                             | 0.480  | 0.000   | 1.231  | 0.000 | 0.000  | 1.231        | 0.169       | 1.400  | 1.880   |
| 5       | Construction of Building Power Station Workshop | 0.350   | 0.000 | 0.000 | 0.350  | 0.000   | 0.000                             | 0.350  | 0.000   | 0.000  | 0.000 | 0.000  | 0.000        | 0.000       | 0.000  | 0.350   |
| 6       | Township Housing Colony                         | 0.000   | 0.000 | 0.000 | 0.000  | 0.000   | 0.000                             | 0.000  | 0.000   | 0.000  | 0.000 | 0.000  | 0.000        | 0.000       | 0.000  | 0.000   |
| 7       | Construction of Road Ropeway Rly Line           | 2.740   | 1.000 | 0.000 | 3.740  | 1.066   | 0.000                             | 4.806  | 2.560   | 0.969  | 0.000 | 0.000  | 3.529        | 0.000       | 3.529  | 8.335   |
| 8       | Magazine  | 0.000   | 0.000 | 0.000 | 0.000  | 0.000   | 0.000                             | 0.000  | 0.000   | 0.000  | 0.000 | 0.000  | 0.000        | 0.000       | 0.000  | 0.000   |
| 9       | SUB TOTAL                                       | 54.849  | 9.806 | 0.000 | 64.655 | 1.066   | 0.842                             | 66.563   | 107.753 | 40.498 | 0.000 | 0.000  | 148.251      | 2.271       | 150.522  | 217.085 |
| 10      | Safety Zone                                     | 1.020   | 0.000 | 0.000 | 1.020  | 0.000   | 0.000                             | 1.020  | 6.535   | 8.146  | 0.000 | 0.004  | 14.685       | 0.210       | 14.895   | 15.915  |
|         | Green Belt                                      | 0.000   | 0.000 | 0.000 | 0.000  | 0.000   | 0.000                             | 0.000  | 0.000   | 0.000  | 0.000 | 0.000  | 0.000        | 0.000       | 0.000  | 0.000   |
|         | TOTAL   | 55.869  | 9.806 | 0.000 | 65.675 | 1.066   | 0.842                             | 67.583   | 114.288 | 48.644 | 0.000 | 0.004  | 162.936      | 2.481       | 165.417  | 233.000 |

FOR TATA STEEL LTD.

By their Constituted Attorney

*Sabyasachy Mishra*

(SABYASACHY MISHRA)

Head Mine Planning

TATA STEEL LTD.



Proposal for Diversion of Forest Land over 303.36 ha in respect of Bamebari Iron & Manganese Mines Lease Of Tata Steel Limited in Villages Palasa (Ka), Kundaposi, Namira, Jadibahal, Jajanga, Khandbondh & Boneikela under Barbil Tehsil in the Keonjhar district of Odisha

Part-I

**ABSTRACT OF LAND USE PATTERN OF BAMEBARI LEASE (AREA IN HECTS.)**

| Sl. No. | Land Use Pattern                                | RF      | KF     | DLC    | Broken up Non-forest land recorded as Forest as on 25.10.1980(In Ha.) | NF Land Recorded as Forest as on 25.10.1980 | Total Forest | NF     | Total   |
|---------|---|---------|--------|--------|---|---|--------------|--------|---------|
| 1       | Mining  | 79.103  | 10.133 | 38.675 | 2.390   | 7.842                                       | 138.143      | 1.370  | 139.513 |
| 2       | Storing Mineral/ Top Soil                       | 9.350   | 9.497  | 7.676  | 5.000   | 2.313                                       | 33.836       | 1.813  | 35.649  |
| 3       | Dumping of Over Burden                          | 16.740  | 18.668 | 15.963 | 8.554   | 4.730                                       | 64.655       | 2.322  | 66.977  |
| 4       | Plant, Workshop, Storing Tools & Machineries    | 0.000   | 1.231  | 0.840  | 0.319   | 2.540                                       | 4.930        | 0.651  | 5.581   |
| 5       | Construction of Building Power Station Workshop | 0.000   | 0.000  | 0.000  | 3.242   | 0.000                                       | 3.242        | 0.000  | 3.242   |
| 6       | Township Housing Colony                         | 0.000   | 0.000  | 0.000  | 19.465  | 0.000                                       | 19.465       | 5.057  | 24.522  |
| 7       | Construction of Road Ropeway Rly Line           | 2.560   | 0.969  | 0.310  | 3.453   | 1.974                                       | 9.266        | 0.000  | 9.266   |
| 8       | Magazine  | 0.000   | 0.000  | 0.000  | 0.000   | 0.000                                       | 0.000        | 0.000  | 0.000   |
| 9       | Safety Zone                                     | 6.535   | 8.283  | 7.310  | 0.476   | 2.161                                       | 24.765       | 0.560  | 25.325  |
| 10      | Green Belt                                      | 0.000   | 0.000  | 0.000  | 0.000   | 1.667                                       | 1.667        | 0.000  | 1.667   |
|         | Sub-Total                                       | 114.288 | 48.781 | 70.774 | 42.899  | 23.227                                      | 299.969      | 11.773 | 311.742 |
| 11      | Safety Zone involved in the approved land       | 1.020   | 0.112  | 1.965  | 0.000   | 0.000                                       | 3.097        | 0.000  | 3.097   |
|         | TOTAL   | 115.308 | 48.893 | 72.739 | 42.899  | 23.227                                      | 303.066      | 11.773 | 314.839 |

**FOR TATA STEEL LTD.**

By their Constituted Attorney

*Sabyasachi Mishra*

(SABYASACHY MISHRA)

Head Mine Planning

TATA STEEL LTD.



Proposal for Diversion of Forest Land over 303.66 ha in respect of Bamebari Iron & Manganese Mines Lease Of Tata Steel Limited in Villages Palasa (Ka), Kundaposi, Namira, Jadibahal, Jajanga, Khandbondh & Boneikela under Barbil Tehsil in the Keonjhar district of Odisha

Part-I

**ABSTRACT OF LAND USE PATTERN OF BAMEBARI BLOCK (AREA IN HECTS.)**

| BAMEBARI BLOCK | Sl. No. | Land Use Pattern                                | Future Requirement of Fresh Forest Land (in HA.) |       |        |   |   | Total Forest        | NF     | Total   |
|----------------|---------|---|--|-------|--------|---|---|---------------------|--------|---------|
|                |         |   | RF   | KF    | DLC    | Broken up Non-forest land recorded as Forest as on 25.10.1980(In Ha.) | NF Land Recorded as Forest as on 25.10.1980 |                     |        |         |
|                | 1       | Mining  | 0.000  | 0.000 | 13.850 | 2.390   | 7.360                                       | 23.600              | 0.000  | 23.600  |
|                | 2       | Storing Mineral / Top Soil                      | 0.000  | 0.000 | 1.891  | 5.000   | 2.313                                       | 9.204               | 1.100  | 10.304  |
|                | 3       | Dumping of Over Burden                          | 0.000  | 0.000 | 0.913  | 8.554   | 4.730                                       | 14.197              | 2.303  | 16.500  |
|                | 4       | Plant, Workshop, Storing Tools & Machinerics    | 0.000  | 0.000 | 0.000  | 0.319   | 2.540                                       | 2.859               | 0.160  | 3.019   |
|                | 5       | Construction of Building Power Station Workshop | 0.000  | 0.000 | 0.000  | 1.930   | 0.000                                       | 1.930               | 0.000  | 1.930   |
|                | 6       | Township Housing Colony                         | 0.000  | 0.000 | 0.000  | 16.011  | 0.000                                       | 16.011              | 5.057  | 21.068  |
|                | 7       | Construction of Road Ropeway Rly Line           | 0.000  | 0.000 | 0.000  | 1.780   | 1.974                                       | 3.754               | 0.000  | 3.754   |
|                | 8       | Magazine  | 0.000  | 0.000 | 0.000  | 0.000   | 0.000                                       | 0.000               | 0.000  | 0.000   |
|                | 9       | Safety Zone                                     | 0.000  | 0.000 | 4.936  | 0.314   | 2.133                                       | 7.383               | 0.260  | 7.643   |
|                | 10      | Green Belt                                      | 0.000  | 0.000 | 0.000  | 0.000   | 1.667                                       | 1.667               | 0.000  | 1.667   |
|                |         | Sub-Total                                       | 0.000  | 0.000 | 21.590 | 36.298  | 22.717                                      | 80.605              | 8.880  | 89.485  |
|                | 11      | Safety Zone involved in the approved land       | 0.000  | 0.000 | 1.455  | 0.000   | 0.000                                       | 1.455               | 0.000  | 1.455   |
|                |         | TOTAL   | 0.000  | 0.000 | 23.045 | 36.298  | 22.717                                      | 142.069             | 18.140 | 160.209 |
|                |         |   |  |       |        |   | 22.717                                      | FOR TATA STEEL LTD. |        | 90.940  |

By their Constituted Attorney

*Sabyasachi Mishra*

(SABYASACHY MISHRA)

Head Mine Planning

TATA STEEL LTD



Proposal for Diversion of Forest Land over 303.66 ha in respect of Bamebari Iron & Manganese Mines Lease Of Tata Steel Limited in Villages Palasa (Ka), Kundaposi, Namira, Jadibahal, Jajanga, Khandbondh & Boneikela under Barbil Tehsil in the Keonjhar district of Odisha

Part-I

**ABSTRACT OF LAND USE PATTERN OF JORIBAR BLOCK (AREA IN HECTS.)**

| JADIBAHAL BLOCK | Land Use Pattern                                | Future Requirement of Fresh Forest Land (in HA.) |       |        |       | Broken up Non-forest land recorded as Forest as on 25.10.1980(In Ha.) | NF Land Recorded as Forest as on 25.10.1980 | Total Forest | NF     | Total |
|-----------------|---|--|-------|--------|-------|---|---|--------------|--------|-------|
|                 |   | RF   | KF    | DLC    |       |   |   |              |        |       |
| 1               | Mining  | 0.000  | 0.000 | 24.825 | 0.000 | 0.482   | 25.307                                      | 0.000        | 25.307 |       |
| 2               | Storing Mineral / Top Soil                      | 0.000  | 0.000 | 5.785  | 0.000 | 0.000   | 5.785                                       | 0.000        | 5.785  |       |
| 3               | Dumping of Over Burden                          | 0.000  | 0.000 | 15.050 | 0.000 | 0.000   | 15.050                                      | 0.000        | 15.050 |       |
| 4               | Storing Tools & Machineries                     | 0.000  | 0.000 | 0.840  | 0.000 | 0.000   | 0.840                                       | 0.322        | 1.162  |       |
| 5               | Construction of Building Power Station Workshop | 0.000  | 0.000 | 0.000  | 1.312 | 0.000   | 1.312                                       | 0.000        | 1.312  |       |
| 6               | Township Housing Colony                         | 0.000  | 0.000 | 0.000  | 3.454 | 0.000   | 3.454                                       | 0.000        | 3.454  |       |
| 7               | Construction of Road Ropeway Rly Line           | 0.000  | 0.000 | 0.310  | 0.607 | 0.000   | 0.917                                       | 0.000        | 0.917  |       |
| 8               | Magazine  | 0.000  | 0.000 | 0.000  | 0.000 | 0.000   | 0.000                                       | 0.000        | 0.000  |       |
| 9               | Safety Zone                                     | 0.000  | 0.137 | 2.374  | 0.162 | 0.024   | 2.697                                       | 0.090        | 2.787  |       |
| 10              | Green Belt                                      | 0.000  | 0.000 | 0.000  | 0.000 | 0.000   | 0.000                                       | 0.000        | 0.000  |       |
|                 | Sub-Total                                       | 0.000  | 0.137 | 49.184 | 5.535 | 0.506   | 55.362                                      | 0.412        | 55.774 |       |
| 11              | Safety Zone involved in the approved land       | 0.000  | 0.112 | 0.510  | 0.000 | 0.000   | 0.622                                       | 0.000        | 0.622  |       |
|                 | TOTAL   | 0.000  | 0.249 | 49.694 | 5.535 | 0.506   | 55.984                                      | 0.412        | 56.396 |       |

FOR TATA STEEL LTD.

By their Constituted Attorney

*Sabyasachi Mishra*

(SABYASACHY MISHRA)

Head Mine Planning



Proposal for Diversion of Forest Land over 303.36 ha in respect of Bamebari Iron & Manganese Mines Lease Of Tata Steel Limited in Villages Palasa (Ka), Kundaposi, Namira, Jadibahal, Jajanga, Khandbondh & Boneikela under Barbil Tehsil in the Keonjhar district of Odisha

Part-I

**ABSTRACT OF LAND USE PATTERN OF BONEIKELA BLOCK (AREA IN HECTS.)**

| BANEIKALA BLOCK | Sl. No. | Land Use Pattern                                | Future Requirement of Fresh Forest Land (in HA.) |        |       |       | Broken up Non-forest land recorded as Forest as on 25.10.1980(In Ha.) | NF Land Recorded as Forest as on 25.10.1980 | Total Forest | NF      | Total |
|-----------------|---------|---|--|--------|-------|-------|---|---|--------------|---------|-------|
|                 |         |   | RF   | KF     | DLC   |       |   |   |              |         |       |
|                 | 1       | Mining  | 79.103   | 10.133 | 0.000 | 0.000 | 0.000   | 89.236                                      | 1.370        | 90.606  |       |
|                 | 2       | Storing Mineral / Top Soil                      | 9.350  | 9.497  | 0.000 | 0.000 | 0.000   | 18.847                                      | 0.713        | 19.560  |       |
|                 | 3       | Dumping of Over Burden                          | 16.740   | 18.668 | 0.000 | 0.000 | 0.000   | 35.408                                      | 0.019        | 35.427  |       |
|                 | 4       | Storing Tools & Machineries                     | 0.000  | 1.231  | 0.000 | 0.000 | 0.000   | 1.231                                       | 0.169        | 1.400   |       |
|                 | 5       | Construction of Building Power Station Workshop | 0.000  | 0.000  | 0.000 | 0.000 | 0.000   | 0.000                                       | 0.000        | 0.000   |       |
|                 | 6       | Township Housing Colony                         | 0.000  | 0.000  | 0.000 | 0.000 | 0.000   | 0.000                                       | 0.000        | 0.000   |       |
|                 | 7       | Construction of Road Ropeway Rly Line           | 2.560  | 0.969  | 0.000 | 1.066 | 0.000   | 4.595                                       | 0.000        | 4.595   |       |
|                 | 8       | Magazine  | 0.000  | 0.000  | 0.000 | 0.000 | 0.000   | 0.000                                       | 0.000        | 0.000   |       |
|                 | 9       | Safety Zone                                     | 6.535  | 8.146  | 0.000 | 0.000 | 0.000   | 14.685                                      | 0.210        | 14.895  |       |
|                 | 10      | Green Belt                                      | 0.000  | 0.000  | 0.000 | 0.000 | 0.000   | 0.000                                       | 0.000        | 0.000   |       |
|                 |         | Sub-Total                                       | 114.288  | 48.644 | 0.000 | 1.066 | 0.000   | 164.002                                     | 2.481        | 166.483 |       |
|                 | 11      | Safety Zone involved in the approved land       | 1.020  | 0.000  | 0.000 | 0.000 | 0.000   | 1.020                                       | 0.000        | 1.020   |       |
|                 |         | TOTAL   | 115.308  | 48.644 | 0.000 | 1.066 | 0.004   | 165.022                                     | 2.481        | 167.503 |       |

FOR TATA STEEL LTD.

By their Constituted Attorney

*Sabyasachi Mishra*

(SABYASACHY MISHRA)

Head, MISCELLANEOUS



|   |   |  |
|---|---|--|
| 3 | Details of displacement of people due to the project, if any  | Not Applicable   |
|   | (i) Number of families.   | N.A  |
|   | (ii) Number of Scheduled Castes/Scheduled Tribe families.   | N.A  |
|   | (iii) Rehabilitation plan. (to be enclosed)   | N.A  |
| 4 | Whether clearance under Environment (Protection) Act, 1986 required? (Yes/No).  | Yes. Environment Clearance has already been granted by MoEF, Govt. of India vide Ref. No.J-11015/85/2004-IA.II (M), dated. 17.11.2005 for 0.83 LTPA of Manganese Ore.<br><br>Copy of the letter is enclosed as <b>Annexure-VIII</b>    |
| 5 | Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone, etc. as per the scheme prepared by the State Government (undertaking to be enclosed). | Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone etc. is enclosed as <b>Annexure-III</b> . |

6. Details of Certificates/ documents enclosed as required under the instructions:

**List of documents and certificates:**

| Sl. No. | Description of Documents  | Annexure                       | Page No. |
|---------|---|--------------------------------|----------|
| 1.      | PART-1 (Form- A) for seeking prior approval under Section 2 of proposal   | ANNEXURE -A                    |          |
| 2.      | PART-II of Form- A  | ANNEXURE - A1                  |          |
| 3.      | PART- III of Form- A  | ANNEXURE - A2                  |          |
| 4.      | PART- III A of Form- A  | ANNEXURE - A3                  |          |
| 5.      | PART- IV of Form- A   | ANNEXURE - A4                  |          |
| 6.      | PART- V of Form- A  | ANNEXURE - A5                  |          |
| 7.      | Check-list  | ANNEXURE-B<br>&<br>ANNEXURE-B1 |          |
| 8.      | Copy of Mining Lease Deed over 1150.550 ha executed on 15.05.1985 for a period of 20 years w.e.f. 01.04.1980 & lease renewal Grant Order No.2851/MG Bhubaneswar, dt.16.02.1982. | ANNEXURE - I                   |          |
| 9.      | Justification for requirement of forestland.  | ANNEXURE - I (A)               |          |
| 10.     | Boundary Description of the already diverted area & proposed forest area.   | ANNEXURE - II                  |          |
| 11.     | Undertakings.   | ANNEXURE - III                 |          |
| 12.     | Phase Reclamation & Afforestation Scheme including Phase Reclamation & Afforestation Programme.   | ANNEXURE - IV                  |          |
| 13.     | Grant Orders of Surface Right from the Collector, Keonjhar along with statement.  | ANNEXURE - V                   |          |



| Sl. No. | Description of Documents   | Annexure  | Page No. |
|---------|--|---|----------|
| 14.     | Copy of Consent to Operate (CTO) obtained from SPCB, Odisha  | ANNEXURE - VI                                       |          |
| 15.     | Copy of Mining Plan approved by IBM vide letter No MSM/FM/05-ORI/BHU/2018-19/347, Dt. 04.05.2018 including Progressive Mine Closure Plan   | ANNEXURE - VII<br>(submitted in a separate volume). |          |
| 16.     | Copy of Environmental Clearance  | ANNEXURE - VIII                                     |          |
| 17.     | Land Schedule of Forest Land (Already diverted + Proposed)<br>Land Schedule of the entire lease-hold area of Bamebari lease, showing the non-forest land recorded as forest as on 25.10.1980 duly certified by The Tahasildar, Barbil.   | ANNEXURE- IX<br>ANNEXURE-IX(A)                      |          |
| 18.     | Land Schedule of Surface Right Area  | ANNEXURE- X   |          |
| 19.     | Copy of Aam Sabha Resolution   | ANNEXURE - XI                                       |          |
| 20.     | Copy of Stage-II clearance F.No.8-72/2004-FC, dated 25th January' 2007.  | ANNEXURE - XII                                      |          |
| 21.     | Copy of Stage-I Clearance No. 8-72/2004-FC, Dt. 25th May' 2005.  | ANNEXURE - XIII                                     |          |
| 22.     | Copy of Power of Attorney.   | ANNEXURE - XIV                                      |          |
| 23.     | Brief Profile of the Lessee  | ANNEXURE - XV                                       |          |
| 24.     | Cost Benefit Analysis  | ANNEXURE- XVI                                       |          |
| 25.     | Express Order issued by GOO vide Letter No. III(A)SM-14/2006 - 4076/SM dated 31.05.2014  | ANNEXURE- XVII                                      |          |
| 26.     | Order for Supplementary Lease Deed issued by Govt. of Odisha, Steel & Mines department vide its letter no. 3298/SM, Dt. 18.04.2015   | ANNEXURE - XVIII                                    |          |
| 27.     | Copy of Executed and Registered Supplementary Lease Deed   | ANNEXURE - XIX                                      |          |
| 28.     | <p>The Collector &amp; District Magistrate, Keonjhar vide letter No. 2181/Rev dated 26.09.2015 allotted an area measuring 209.419 ha of Govt. Non-forest land for raising Compensatory Afforestation.</p> <p>The Tahasildar, Telkoi vide letter No. 1150/ dated 21.06.2019 requested to identify fresh non-forest area of 49.00 ha elsewhere in the Keonjhar District since R.O.Rs under F.R. Act, 1980, have been issued to local villagers over the already allotted land in Village-Tamanga for Bamebari Iron &amp; Mn. Mines.</p> <p>TSL vide letter no. BMM/L&amp;L/558/2019 dated 23.07.2019 requested the Collector &amp; DM, Keonjhar to allot 49.00 ha additional non forest land as advised by the Tahasildar, Telkoi.</p> <p>The Collector &amp; District Magistrate, Keonjhar vide letter No. 1837/Rev/Dt. 24.09.2020 pleased to allot fresh area measuring 49.00 ha of Government Non-Forest land in Village-Sudanga of Banspal Tahasil for raising Compensatory Afforestation.</p> <p>Deputy Collector, Revenue, Collectorate, Dhenkanal vide letter No. II-53/16/1185 dated 20.07.2016 allotted an area</p> | ANNEXURE - XX<br>Series                             |          |



| Sl. No. | Description of Documents  | Annexure            | Page No. |
|---------|---|---------------------|----------|
|         | measuring 66.126 ha Govt. Non-forest land for Compensatory Afforestation for Sabik Forest.  |                     |          |
| 29      | Letter No. 4750/Mining dated 21.06.2016 of DFO, Keonjhar requesting payment of NPV for 66.126 ha of Non-forest land recorded as forest in Government Records as on 25.10.1980 and letter No. BMM/L&L/423/2016 dated 27.06.2016 intimating DFO, Keonjhar about the payment of the aforesaid NPV. | ANNEXURE-XXI Series |          |
| 30      | Copy of application to Collector Keonjhar for issuing necessary certificate under FRA, 2006.  | ANNEXURE-XXII       |          |
| 31      | Certificate of payment of NPV for all the other Mines in Odisha   | ANNEXURE-XXIII      |          |
| 32      | Forwarding letter of the Surrender Application over an area of 686.550 ha. out of 1150.550 ha. of Bamebari Iron & Manganese Mines of M/s Tata Steel Ltd.  | ANNEXURE-XXIV       |          |

**DRAWING PLATES**

| PLATE NO. | DRAWING NO.              | SUBJECT  |
|-----------|--------------------------|--|
| I         | FAMD/L&L/BBM/01/2016     | Location Plan Showing Mining Lease Area Over 464.00 Ha. in respect of Bamebari Lease, (Bamebari Block, Joribar Block & Boneikela Block & Adjoining Mining Leases in Keonjhar District in Reference Topo Sheet No. F45N5 & F45H8 (Scale – 1:50,000) duly Authenticated by the Deputy Director, Mines, Joda Circle, Joda |
| II        | FAMD/L&L/BBM /2-A-I/2016 | Plan Showing Mining Lease Area of 140.000 Ha. (Bamebari Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
|           | FAMD/L&L/BBM/ 2-B-I/2016 | Plan Showing Mining Lease Area of 91.000 Ha. (Joribar Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
|           | FAMD/L&L/BBM/ 2-C-I/2016 | Plan Showing Mining Lease Area of 233.00 Ha. (Boneikela Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
| III       | FAMD/L&L/BBM /3-A/2016   | Land Use Plan for Forest and Non-Forest Area Already Diverted / Utilized (Bamebari Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).   |
|           | FAMD/L&L/BBM /3-B/2016   | Land Use Plan for Forest and Non-Forest Area Already Diverted / Utilized (Joribar Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
|           | FAMD/L&L/BBM /3-C/2016   | Land Use Plan for Forest and Non-Forest Area Already Diverted / Utilized (Boneikela Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
| IV        | FAMD/L&L/BBM /4-A/2016   | Land Use Plan for Forest and Non-Forest Area for Future Requirement (Bamebari Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
|           | FAMD/L&L/BBM /4-B/2016   | Land Use Plan for Forest and Non-Forest Area for Future Requirement (Joribar Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).   |



|      |                                     |   |
|------|-------------------------------------|---|
|      | FAMD/L&L/BBM /4-C/2016              | Land Use Plan for Forest and Non-Forest Area for Future Requirement (Boneikela Block) of Bamebari Lease (Scale 16:1 Mile Or 1:3960).                                    |
| V    | FAMD/L&L/BBM /5-A/2016              | Geological Plan (Bamebari Block) of Bamebari Lease (Scale 1:8000).  |
|      | FAMD/L&L/BBM /5-B/2016              | Geological Plan (Joribar Block) of Bamebari Lease (Scale 1:4000).   |
|      | FAMD/L&L/BBM /5-C/2016              | Geological Plan (Boneikela Block) of Bamebari Lease (Scale 1:4000).   |
| VI   | FAMD/L&L/BBM /6-A/2016              | Plan Showing the Safety Zone Area of Bamebari Block of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
|      | FAMD/L&L/BBM /6-B/2016              | Plan Showing the Safety Zone Area of Joribar Block of Bamebari Lease (Scale 16:1 Mile Or 1:3960).   |
|      | FAMD/L&L/BBM /6-C/2016              | Plan Showing the Safety Zone Area of Boneikela Block of Bamebari Lease (Scale 16:1 Mile Or 1:3960).   |
| VII  | FAMD/L&L/BBM /7-A/2016              | Plan Showing Phase Reclamation and Afforestation of Bamebari Block of Bamebari Lease (Scale 16:1 Mile or 1:3960).   |
|      | FAMD/L&L/BBM /7-B/2016              | Plan Showing Phase Reclamation and Afforestation of Joribar Block of Bamebari Lease (Scale 16:1 Mile Or 1:3960).  |
|      | FAMD/L&L/BBM /7-C/2016              | Plan Showing Phase Reclamation and Afforestation of Boneikela Block of Bamebari Lease (Scale 16:1 Mile or 1:3960).  |
| VIII | FAMD/L&L/BBM /8 /2016               | Skтч Map Showing the Method of Reclamation, Top Soil and Waste Dump Management of Bamebari Lease.   |
| IX   | FAMD/L&L/BBM / 9/2016               | Plan showing 160.419 ha. out of 209.419 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Telkoi Tahasil of Keonjhar District.      |
| X    | FAMD/L&L/BBM /10 /2016              | Topo Sheet Plan 160.419 ha. out of 209.419 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Telkoi Tahasil of Keonjhar District.   |
| XI   | FAMD/L&L/BBM /11/2016               | DGPS Plan showing 160.419 ha. out of 209.419 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Telkoi Tahasil of Keonjhar District. |
| XII  | FAMD/L&L/BBM /12/2016               | Topo Sheet Plan showing 66.126 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Kankadahad Tahasil of Dhenkanal District.          |
| XIII | FAMD/L&L/BBM /13/2016               | Plan showing 66.126 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Kankadahad Tahasil of Dhenkanal District.                     |
| XIV  | FAMD/L&L/BBM /14/2016<br>(3 Sheets) | Original Lease Plan of Bamebari Iron & Manganese Mines over an area of 1150.55 ha   |
| XV   | FAMD/L&L/BBM /15/2016<br>(5 Sheets) | Approved Land Use Plan of the diverted forest land within (Bamebari, Joribar & Boneikela Block of Bamebari Lease).  |



**Proposal for Diversion of Forest Land over 303.066 ha in respect of Bamebari Iron & Manganese Mines Lease Of Tata Steel Limited in Villages Palasa (Ka), Kundaposi, Namira, Jadibahal, Jajanga, Khandbondh & Boneikela under Barbil Tehsil in the Keonjhar district of Odisha**

**Part-I**

|       |  |   |
|-------|--|---|
| XVI   | FAMD/L&L/BBM /16/2016<br>(18 Sheets of 3 Blocks) | DGPS Map showing the patch wise forest land proposed for diversion along with co-ordinates within Bamebari, Joribar & Boneikela Block of Bamebari Iron & Mn. Mines. |
| XVII  | FAMD/L&L/BBM /17/2016                            | DGPS Plan showing 66.126 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Kankadahad Tahasil of Dhenkanal District.            |
| XVIII | FAMD/L&L/BBM /18 /2021                           | Topo Sheet Plan showing 49.00 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Banspal Tahasil of Keonjhar District.           |
| XIX   | FAMD/L&L/BBM/19/2021                             | Plan showing 49.00 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Banspal Tahasil of Keonjhar District                       |
| XX    | FAMD/L&L/BBM /20/2021                            | DGPS Plan showing 49.00 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Banspal Tahasil of Keonjhar District.                 |

Date:  
Place: Joda

**FOR TATA STEEL LTD.**  
**By their Constituted Attorney**

*Sabyasachi Mishra*  
(SABYASACHI MISHRA)

**Head Mine Planning**

**TATA STEEL LTD.**

Signature

(Name in Block letters)

Designation

Address (of User Agency)

State serial No. of proposal \_\_\_\_\_  
(To be filled up by the Nodal Officer with date of receipt)



**ANNEXURE - A1**

**PART-II**

**(To be filled by the concerned Deputy Conservator of Forests)**

State serial No. of proposal \_\_\_\_\_

7. Location of the project/Scheme:
- (i) State/Union Territory
  - (ii) District.
  - (iii) Forest Division
  - (iv) Area of forest land proposed for diversion (in ha.)
  - (v) Legal status of forest
  - (vi) Density of vegetation.
  - (vii) Species-wise (scientific names) and diameter class-wise enumeration of trees (to be enclosed. In case of irrigation / hydel projects enumeration at FRL, FRL-2 meter & FRL-4 meter also to be enclosed.)
  - (viii) Brief note on vulnerability of the forest area to erosion.
  - (ix) Approximate distance of proposed site for diversion from boundary of forest.
  - (x) Whether forms part of National Park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, etc. (If so, the details of the area and comments of the Chief Wildlife Warden to be annexed).
  - (xi) Whether any rare/endangered/unique species of flora and fauna found in the area- if so details thereof.
  - (xii) Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required.
8. Whether the requirement of forest land as proposed by the user agency in col. 2 of Part-I is unavoidable and barest minimum for the project. If no, recommended area item-wise with details of alternatives examined.
9. Whether any work in violation of the Act has been carried out (Yes/No). If yes, details of the same including period of work done, action taken on erring officials. Whether work in violation is still in progress.
10. Details of compensatory afforestation scheme:
- (i) Details of non-forest area/degraded forest area identified for compensatory afforestation, its distance from adjoining forest, number of patches, size of each patch.
  - (ii) Map showing non-forest/degraded forest area identified for compensatory afforestation and adjoining forest boundaries.
  - (iii) Detailed compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc.
  - (iv) Total financial outlay for compensatory afforestation scheme.
  - (v) Certificates from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view. (To be signed by the concerned Deputy Conservator of Forests).
11. Site inspection report of the DCF (to be enclosed) especially highlighting facts asked in col. 7 (xi,



xii), 8 and 9 above.

12. Division/District profile:

- (i) Geographical area of the district.
- (ii) Forest area of the district.
- (iii) Total forest area diverted since 1980 with number of cases.
- (iv) Total compensatory afforestation stipulated in the district/division since 1980 on (a) forest land including penal compensatory afforestation, (b) Non-forest land.
- (v) Progress of compensatory afforestation as on (date) \_\_\_\_\_ on
  - (a) Forest land
  - (b) Non-forest land.

13. Specific recommendations of the DCF for acceptance or otherwise of the proposal with reasons.

Signature

Name  
Official Seal

Date:- \_\_\_\_\_

Place:- \_\_\_\_\_



**ANNEXURE - A2**

**PART-III**

**(To be filled by the concerned Conservator of Forests)**

14. Whether site, where the forest land involved is located has been inspected by concerned Conservator of Forests (Yes/No). If yes, the date of inspection & observations made in form of inspection note to be enclosed.
15. Whether the concerned Conservator of Forests agree with the information given in Part-B and the recommendations of Deputy Conservator of Forests.
16. Specific recommendation of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons.

Signature

Name:  
Official Seal

Date:-\_\_\_\_\_

Place:-\_\_\_\_\_



**ANNEXURE - A3**

**PART-III A**

(To be filled by the concerned Regional Conservator of Forests)

17. Whether site, where the forest land involved is located has been inspected by concerned Conservator of Forests (Yes/No). If yes, the date of inspection & observations made in form of inspection note to be enclosed.
18. Whether the concerned Conservator of Forests agree with the information given in Part-B and the recommendations of Deputy Conservator of Forests.
19. Specific recommendation of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons.

Date:-\_\_\_\_\_

Place:-\_\_\_\_\_

Signature  
Name:  
Official Seal



**ANNEXURE - A4**

**PART-IV**

**(To be filled in by the Nodal Officer or Principal Chief Conservator of Forests or Head of Forest department)**

17. Detailed opinion and specific recommendation of the State Forest Department for acceptance of otherwise of the proposal with remarks.

(While giving opinion, the adverse comments made by concerned Conservator of Forests or Deputy Conservator of Forests should be categorically reviewed and critically commented upon).

Signature  
Name & Designation  
(Official Seal)

Date:-\_\_\_\_\_

Place:-\_\_\_\_\_



**ANNEXURE - A5**

**PART- V**

**(To be filled in by the Secretary in charge of Forest Department or by any other authorized officer of the State Government not below the rank of an Under Secretary)**

18. Recommendation of the State Government:

(Adverse comments made by any officer or authority in Part-B or Part-C or Part-D above should be specifically commented upon)

Date:-\_\_\_\_\_

Place:-\_\_\_\_\_

Signature  
Name & Designation  
(Official Seal)



**INSTRUCTIONS (for Part-I):-**

1. The project authorities may annex a copy of the approved project/plan in addition to filling Col. 1 (i) e.g. IBM approved mining plan for major minerals/CMPDI plan with subsidence analysis reports, etc.
2. Map has to be in original duly authenticated jointly by project authorities and concerned DCF – Col. 1 (ii).
3. Complete details of alternative alignments examined especially in case of project like roads, transmission lines, railway lines, canals, etc. to be shown on map with details of area of forest land involved in each alternative to be given - Col. 1 (iii).
4. For proposals relating to mining, certificate from competent authority like District Mining Officer about non-availability of the same mineral in surrounding/nearby non-forest areas.
5. In case the same company/individual has taken forest land for similar project in the State, a brief detail of all such approvals/leases be given as an enclosure along with current status of the projects.
6. The latest clarifications issued by the Ministry under Forest (Conservation) Act, 1980 may be kept in mind. In case such information do not fit in the given columns, the same shall be annexed separately.

**GENERAL INSTRUCTIONS:-**

1. On receipt of proposal, Nodal Officer shall issue a receipt to the user agency indicating therein the name of the proposal, user agency, area in hectare, serial number and date of receipt.
2. If the space provided above is not sufficient to specify any information, please attach separate details/documents.
3. While forwarding the proposal to the Central Government, complete details on all aspects of the case as per Form prescribed above read with the clarifications issued by the Ministry of Environment and Forests, Government of India, New Delhi should be given. Incomplete or deficient proposals shall not be considered and shall be returned to the State Government in original.
4. The State Government shall submit the proposal to the Central Government within stipulated time limits. In case of delay while forwarding, the reasons for the same to be given in the forwarding/covering letter.