

DIVERSION PROPOSAL FOR KATAMATI IRON MINE
OF
THE TATA STEEL LTD
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)

1	Project details	
i)	Short narrative of the proposal and project/scheme for which the forest land is required.	<p>Originally the Katamati Iron lease of Tata Steel was granted for a period of 30 years w.e.f., from 17.01.1933 to 16.01.1963 over an area of 12.17 Sq. miles by the Ruling Chief of Keonjhar Estate. The lease deed was executed on 20.11.1933. The lease was consisting of three blocks i.e. Block-A(Katamati), Block-B(Joda West) & Block-D(Khondbond) (Lease Deed copy enclosed) Annexure I.</p> <p>First renewal was granted for a period of 20 years w.e.f., 17.01.1963 to 16.01.1983 over the same area (i.e. 12.17 Sq. miles) consisting of above three blocks by Mining & Geology Deptt., Govt. of Orissa vide letter No.III(A)MG-87/73-11510 dt.21.11.1973. The lease deed was executed between Tata Steel & the State Govt. on 10.01.1978 (Lease Deed copy enclosed) Annexure II.</p> <p>The second renewal was granted for a period of 20 years w.e.f. 17.01.1983 to 16.01.2003 by the Mining & Geology Deptt., Govt. of Orissa vide Letter No.III(A)MG-58/83-14879MG dt.24.12.1983 and issued Execution order vide Letter No-III (A) MG 27/84-9026 MG dt.01.09.1984.</p> <p>During second renewal the lease blocks were separated forming three separate leases. The details of the three leases are as follows :</p> <p style="margin-left: 40px;">Katamati : 403.3238 ha. Joda West : 1437.719 ha. Khondbond : 1293.433 ha.</p> <p>The Katamati lease over an area of 403.3238 ha . was executed between Tata Steel and State Govt. on 17.10.1984 and registered vide lease deed no.67 date.27.11.1984. (Lease Deed copy enclosed) Annexure III</p> <p>M/s Tata Steel applied for third (3rd) renewal of the</p>

	<p>lease on 5.9.2001 for 20 years over 403.3238ha w.e.f 17.1.2003. The Renewal of Mining Lease application has been recommended by the Collector, Keonjhar and Director of Mines, Orissa. Bhubaneswar to the State Govt. for the consideration of renewal of Mining Lease.(copy of RML application is enclosed. (Annexure IV)</p> <p>The location of the Katamati Iron Mine falls in Survey of India's Topo-sheet No. 73 F/8 and 73 F/12 with Latitude between N 22° 05' and N 22° 10' and longitude E 85° 25' and E 85° 30'</p> <p>The project is situated under Thakurani Reserve Forest under Belaipada Forest Section of Barbil Range of Keonjhar Forest Division and Khesra Forest.</p> <p>Katamati Iron Mine consists of 403.3238 ha lease area.</p> <p>The details of lease area are as under:</p> <table><tr><td>R.F.</td><td>..</td><td>57.5520 ha.</td><td rowspan="3">} 199.1720 ha</td></tr><tr><td>K.F.</td><td>..</td><td>141.6200 ha.</td></tr><tr><td>D.L.C.</td><td>..</td><td>nil.</td></tr><tr><td>N.F land</td><td>..</td><td>204.1518 ha</td><td></td></tr><tr><td>Total</td><td></td><td>403.3238 ha</td><td></td></tr></table> <p>The 3rd Renewal of Mining Lease is applied for mining of Iron Ore over 403.3238 ha.. The Iron Ore produced from this mine will be supplied to steel plants of Tata Steel and Tis Group companies.</p> <p>This Mine is one of the major sources of supply of high grade Iron ore to Jamshedpur works . Within the applied lease area of 403.3238 ha, the forest land constitutes 199.1720 ha (57.5520 Reserve Foest +141.6200 Khesra Forest) +204.1518 ha of Non-Forest land .There is no DLC land. Forest area of 31.1791ha has been broken (R.F 8.2834 ha + K.F 22.8957 ha) prior to 25.10.1980. Presently 196.9719 ha forest land has been sought for diversion for Mining and ancillary activities. (31.1791 ha. broken up forest prior to 25.10.1980 and 165.7928 ha. fresh forest area) and 2.2001 ha. forest area has been used as safety zone.</p>	R.F.	..	57.5520 ha.	} 199.1720 ha	K.F.	..	141.6200 ha.	D.L.C.	..	nil.	N.F land	..	204.1518 ha		Total		403.3238 ha	
R.F.	..	57.5520 ha.	} 199.1720 ha																
K.F.	..	141.6200 ha.																	
D.L.C.	..	nil.																	
N.F land	..	204.1518 ha																	
Total		403.3238 ha																	

ii)	Map showing the required forest land, boundary of adjoining forest on a 1:50,000 scale map.	:	Location Plan bearing Drg. No. KAT/DRP/1/07 dated 22.3.2007 showing the details marked as Plate No- I.
iii)	Cost of the project.	:	Total cost of expansion of Katamati Iron Mine project is Rs. 45 Crores upto the Production level of 5 million tonnes per annum.

iv)	Justification for locating the project in forest area	<p>The Northern boudary of the lease, falls on the inter-state boundary of Orissa and Jharkhand and forms a common boundary with our Noamundi Mining Lease in the State of Jharkhand, over a stretch of 3600 mtrs. The Company is operating Noamundi Mine to meet the requirements of Tata Steel and Tis group companies (including Tata Sponge, Bileipada, Tata Metaliks, Kaharagpur, Tayo, Adityapur etc.) The Company has developed the necessary infrastructure at Noamundi and invested substantially in terms of Plant and Machineries and other infrastructure required for mechanised operation keeping in view of the future development of both Noamundi and Katamati deposits.</p> <p>Noamundi Iron Mine is in operation for last 75 years and is now encountering "Blue Dust" at lower levels. Major expansion is going on in Tis Group Companies. Hence Katamati mine will have to be developed to mine the total deposit available in both forest and non forest area to meet the iron ore requirement.</p> <p>To sustain the steel production additional raw material will be required which will be produced and supplied from this mine as well as other mines of the Lessee.</p> <p>Intensive mineralised zone of Iron ore occurs in the virgin forest area and as such mining has to be carried out in the forest area. However the mineralised zone of both forest & Non-forest area will be worked simultaneously Other ancillary activities linked with mining operation are required to be located close to the mining pit for smooth and economical operation of Mines. It will be located both in forest and non-forest area.</p> <p>The mining plan has been approved by IBM vide letter No. 314(3)/2000-MCCM (C) /MP-14 dt.6.7.2001. (enclosed) Annexure -VII</p> <p>The modified mining plan along with mine closure plan have been submitted to IBM vide letter No.GM/PL/194/216/2006 dt. 23.6.2006. (enclosed). Annexure - VIII</p> <p>The total proved mineral reserve is 81.96 million tons.</p> <p>Detailed justification is enclosed vide Annexure- A</p>
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v)	Cost benefit analysis	:	Furnished vide Annexure- B
vi)	Employment likely to be generated	:	175 persons. (115 Direct + 60 Indirect)

2.	Purpose-wise break-up of the total land required (already broken & to be broken). Details given below and indicated in the Land Use Plan bearing Drawing No marked as Annexure .		
	Drawing Nos	KAT/DRP/III/07 dated 22/3/2007	Plate No - III
		KAT/DRP/III-A/07 dated 22/3/2007	Plate No - IIIA
		KAT/DRP/IV/07 dated 22/3/2007	Plate No - IV
		KAT/DRP/IV-A/07 dated 22/3/2007	Plate No - IVA

(A) Land use pattern of forest area (already broken before 1980)& Non-Forest area utilised.

Sl. No	Pattern of utilisation	Forest Area (in Ha)				Non-Forest area Utilised (in Ha)	Total (in Ha)
		R.F	K.F	D.L.C	Total		
a	Mining	3.5160	14.0862	--	17.6022	18.7789	36.3811
b	Storing of Mineral/ ore.	--	--	--	--	1.1000	1.1000
c	Dumping O.B/slime disposal	--	5.1434	--	5.1434	29.3141	34.4575
d	Storing of tools and machineries.	--	--	--	--	--	--
e	Construction of building, Power Station, Workshop etc.	--	--	--	--	7.3299	7.3299
f	Township/ Housing Colony.	--	--	--	--	--	--
g	Construction of Road, Rope Way, Rly. Line etc.	4.7674	3.6661	--	8.4335	3.0000	11.4335
Grand Total:		8.2834	22.8957	--	31.1791	59.5229	90.7020

(B) Future Requirement of Forest and Non-Forest land

Sl. No	Pattern of utilisation	Forest Area to be broken (in Ha)				Non-Forest area to be broken (in Ha)	Total (in Ha)
		R.F	K.F	D.L.C	Total		
a	Mining	48.3539	105.6619	--	154.0158	107.4866	261.5024
b	Storing of Mineral/ ore.	--	--	--	--	0.9000	0.9000
c	Dumping O.B/slime disposal	--	6.0000	--	6.0000	18.2000	24.2000
d	Storing of tools and machineries.	--	--	--	--	--	--
e	Construction of building, Power Station, Workshop etc.	--	5.7770	--	5.7770	9.7076	15.4846
f	Township/ Housing Colony.	--	--	--	--	--	--
g	Construction of Road, Rope Way, Rly. Line etc.	--	--	--	--	5.1999	5.1999
Grand Total:		48.3539	117.4389	--	165.7928	141.4941	307.2869

(C) Safety Zone	Safety-zone has not been shown from pillar No.BP-1 to BP22 on the northern portion of the lease boundary since the Steel Company has a plan for joint working of Katamati Mine and Noamundi Mine. Safety Zone has been shown in the rest of forest area as per Drawing No- KAT/DRP/V/07 dated 22/3/2007. (Plate No. V).			
(C) Safety Zone Area (Plan showing the details enclosed vide Drawing No. KAT/DRP/V/07 dated 22/3/2007. Plate No. V)	Area in hectares			
	R.F.	K.F.	DLC	Total Forest
	0.9147	1.2854	--	2.2001

Non-Forest area left out : 3.1348 HA.

3		Details of displacement of people due to the project, if any	No displacement is involved due to this Project.
	(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 Detail in Annexure- XI
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).		Furnished vide Annexure- C

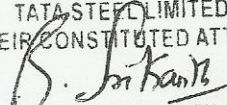
Forest land diverted for Mining Projects in the state of Orissa is enclosed vide Annexure- D

6	Details of Certificates/documents enclosed as required under the instructions.	Description of Documents	Annexure
		Detailed justification	Annexure - A
		Cost Benefit Analysis	Annexure - B
		Undertakings	Annexure - C
		Forest Land diverted for Mining Projects in the State of Orissa	Annexure - D
		Copy of Mining Lease Deed executed on 20.11.1933 for a period of 30 years from 17.01.1933 to 16.01.1963 over an area of 12.17 Sq. miles.	Annexure - I
		Copy of 1 st renewal Mining lease Deed executed on 10.01.1978 for a period of 20 years from 17.01.1963 to 16.01.1983 over an area of 12.17 Sq. miles.	Annexure - II
		Copy of 2 nd Renewal of Mining Lease Deed executed on 17.10.84 for a period of 20 years from 17.01.83 to 16.01.2003 over an area of 403.3238 ha vide registered Lease deed No-67 dt.27.11.1984.	Annexure - III
		Copy of Renewal of Mining Lease Application Letter No. MD/LO/1062/980 dated 04.09.2001	Annexure - IV
		Boundary description of broken up forest area	Annexure - V
		Phased Reclamation and Afforestation Scheme and Programme.	Annexure - VI
		Copy of letter No. 314(3)/2000-MCCM (C) /MP-14 dt.6.7.2001 and Approved Mining Plan	Annexure - VII
		Modification of approved Mining Plan along with progressive Mine closure Plan submitted vide our letter No-GM/PL/194/216/2006 dt.23.06.2006 and letter No-MD/PL/405/194/2006 dt.24.11.2006	Annexure - VIII
		Copy of NOC for consent to establish crushing and screening plant vide letter no 2820 from OSPCB dated 14/02/06 .	Annexure - IX
		Copy of NOC for consent to establish for expansion vide letter no. 10307 from OSPCB dated 30/05/03	Annexure - X
		EMP approval letter No-J / 11015 / 120/ 2003 IA.II (M) dt.06.05.2005 of MOEF, G.O.I	Annexure - XI
		Copy of Surface Right Grant Orders	Annexure - XII
		Brief profile of Lessee	Annexure - XIII
		Cost estimate for reclamation and afforestation of 1 ha	Annexure - XIV

	Copy of Aam sabha Resolution	Annexure - XV
	Copy of Power of Attorney	Annexure - XVI

DRAWING PLATES

Plate No.I	Location Plan showing Mining Lease area and adjoining lease for the project (Topo Sheet No 73 F/8 & 73F/12.) in 1:50,000 scale Drawing No KAT/DRP/I/07 dated 22/3/2007
Plate No.II And II A	Plan showing lease area of Katamati Iron Mine and Forest Land. (Scale : 16 inch = 1 Mile) Drawing No. No KAT/DRP/II/07 dated 22/3/2007 and Drawing No. No KAT/DRP/IIA/07 dated 22/3/2007
Plate No.III and IIIA	Land Use Plan for forest and non-forest area already broken up/utilised (Scale : 16 inch = 1 Mile) Drawing No KAT/DRP/III/07 dated 22/3/2007 and Drawing No KAT/DRP/IIIA/07 dated 22/3/2007
Plate No.IV and IVA	Land Use Plan for forest and non-forest area for future requirement. (Scale : 16 inch = 1 Mile) Drawing No KAT/DRP/IV/07 dated 22/3/2007 and Drawing No KAT/DRP/IVA/07 dated 22/3/2007
Plate No.V	Plan showing the safety zone area (Scale : 16 inch = 1 Mile) Drawing No. KAT/DRP/V/07 dated 22/3/2007
Plate No.VI	Geological Plan (Scale 1 : 5000) Drawing No. MD/KIM/M-1/03-06 dated 1/4/2006

FOR AND ON BEHALF OF
TATA STEEL LIMITED
BY THEIR CONSTITUTED ATTORNEY

RAMAN SRIKANTH

Signature
(Name in Block letters)
Designation
Address (of User Agency)

Date:- _____
Place:- _____

State serial No. of proposal 222/07 dtd. 27.4.2007
(To be filled up by the Nodal Officer with date of receipt)