Part-I

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Part-I

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FOR TATA STEEL LTD.

By their Constituted Attorney

(GANESH PRASAD SAHU) Head (Ferro Alloys Production Ferro Alloys & Minerals Divisi



Part-I

	<u>DRAWING PLATES</u>	
PLATE NO.	SUBJECT	DRAWING NO.
I	Location Plan showing Iron & Manganese Mining Lease Area over 978.000 HA. in respect of Khondbond in Keonjhar Dist. Reference Topo Sheet No. 73-G/5 (Scale -1:50,000)	<u>-</u>
II & IIA	Plan Showing the lease map forest & non-forest within Mining Lease Area of 978.000 HA. of Khondbond Iron & Manganese Mine (Scale 16" = 1 Mile Or 1:5000)	KIMM/DRP/II/16
	Map Showing DGPS Surveyed forest of 38.441 ha. area as on 25.10.1980 to be diverted as per Sabik Records within ML Area of 978.000 ha.	KIMM/DRP/IIA/16
IIB	Map showing Original Lease Plan	-
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IVA	Land use plan of forest land already diverted (453.150 ha.) already applied area (383.607 ha.) and now applied Sabik forest area (38.441 ha.) up to 31.03.2020.	KIMM/DRP/IVA/16
IVB	Land use plan of forest land already diverted (453.150 ha.) already applied area (383.607 ha.) and now applied Sabik forest area (38.441 ha.) up to 31.03.2025.	KIMM/DRP/IVB/16
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V	Surface Geological Plan of Khondbond Iron & Manganese Mine (Scale 1:4000)	KIMM/DRP/V/16
VI	Plan showing Safety Zone area for mining operation Khondbond Iron & Manganese Mine (Scale 16" = 1 Mile Or 1:4000)	KIMM/DRP/VI/16
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FOR TATA STEEL LTD.

By their Constituted Attorney

FORM-A

### **ANNEXURE - A**

### DIVERSION PROPOSAL FOR KHONDBOND IRON & MANGANESE MINE OF <u>TATA STEEL LTD</u> 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	ief Description of the	Reference Plate No. I, Survey of India Topo She	et No. 73 G/5
	oject Location of the Area	Longitude : Between 85°-21'-00" E and 85°-24'	'-17" F
		21 00 Eana 05 21	1, 1
		Latitude : Between 21°-54'-50" N and 21°-57'-4	47" N
		   Village : Khondbond, Jalahari, Guruda, and Bait	arani Reserve Forest
		Sub Division : Champua	aram reserve rorest
		District : Keonjhar	
		Forest Division : Keonjhar	
		Forest Range : Champua	
		Forest Section : Joda	
		Distance from Joda : 10 Kms	
2.	Mineral to be Mined	Iron ore and Manganese Ore	
3.	Extent of the Area		
		Original M.L Area	: 1293.433 ha.
		Lease area applied for renewal	: 978.000 ha.
		Reserve Forest	: 681.718 ha.
		Khesara Forest	: 44.653 ha.
		Non Forest Govt. Land treated as Forest Land	: 110.386 ha.
		Total Sabik Forest Land as on 25.10.1980	: 38.441 ha.
		Total Forest	: 875.198 ha.
		10001101000	. 0/3.170 na.
		Non-Forest Land	: 102.802 ha.
		Non Forest Land	. 102.802 lia.
		Grand Total	: 978.000 ha
4.	Approximate	Forest Land (As on 31.03.2016): -	
	Reserve of		
	Ore/Mineral	A. Mn Ore: 0.517 Million Tones (111+12	
		B. Iron Ore: 161.68 Million Tones (111+1	21+122)
5.	Extent of Surface	810.752 ha. within RML applied area	
	Right Area Acquired		
6.	Approximate	Manganese Ore: 1,00,000 Metric Tonne (RC	)M)
.	Production of the	Iron Ore : 80,00,000 Metric Tonnes (1	
	Mineral Envisaged	i so,oo,ooo neerie ronnes (i	
7.	Approximate Value	Manganese Ore : 51.74 Crores	
	of the Ore/Mineral	Iron Ore : 1039.00 Crores	FOR AND ON BEHALF OF
	to be produced(Per		TATA STEEL LIMITED
	Annum)	Total : 1090.74 Crores BY T	HEIR CONSTITUTED ATTORNE



**FORM-A** 

8. Utilization of Minerals Produced (Whether to be Utilized in Industry or to be exported)	Manganese ore will be utilized at Company's Ferro Alloys Plants and Co's Steel Plants. Iron ore will be utilized at Company Steel Plant at Jamshedur, Kalinganagar, Tata Sponge Iron Limited, Tata Metaliks, Tayo plant etc.
9. Why the Project is Required	We have already applied for forest diversion proposal over 383.607 ha. for expansion of our Khondbond Project which is under compliance stage. Now MoEF&CC, Govt. of India, New Delhi has directed to submit diversion proposal over the Sabik Land falling within the lease hold as on 25.10.1980 vide F. No. 8-78/1996-FC (pt.) dated 10.03.2015 & F. No. 8-78/1996-FC (pt.), dated 09.03.2016 and accordingly this proposal is submitted for diversion as because in coming years the Steel Company is planning to expand its capacity many fold. It is required that iron ore is fed from different mines to attain targeted level of production. In view of the above Mining expansion of Khondbond Lease is very much required to augment the iron ore as well as manganese ore production. The Project is essential to cater to the need of enhanced requirement of Mn. Ore in Co's Ferro Alloys Plants, Steel Plants, and Iron ore in Company Steel Plant at Jamshedur, Kalinganagar, Tata Sponge Iron Limited, Tata Metaliks, Tayo plant etc.
10. Why the Project is required	The Company is planning and implementing a growth plan, which is expected to increase the steel making capacities with corresponding increase of its Ferro/ Silico Manganese Alloys production. The Steel Company has invested substantial amount to develop the mine, beneficiation plant and other infrastructural facilities. Mining expansion of Khondbond Lease is very much required to augment the iron ore as well as manganese ore production to 8.00 MTPA of Iron Ore ROM & 1.00 LTPA of Manganese Ore ROM. The Project is essential to cater to the need of enhanced requirement of Mn. Ore in Co's Ferro Alloys Plants, Steel Plants, and Iron ore in Company Steel Plant at Jamshedur, Kalinganagar, Tata Sponge Iron Limited, Tata Metaliks, Tayo plant etc.
	With the expansion of FAP, Joda and acquisition of Silico Manganese plant the requirement of Manganese ore of all grades would increase upto 5 LTPA. Part of the requirement would be fulfilled from the Manganese ore of Khondbond Iron & Manganese mines.
	Further to above, one Crushing, Washing & Beneficiation Plan and one conveyor corridor and electric transmission line (33 KV) shall be installed within the mining lease area to transport iron ore from our Khondbondh Iron & Manganese Mines to Joda East Iron Mine siding.
11. What will be the Mandays generated per Annum	1,80,000 Mandays per annum will be generated out of this project.
12. Site for Dumping of Overburden	Overburden will be dumped on the old dump yard and some mined out pits of Khondbond Iron & Mn. Mines and also on the adjoining Non-Forest and forest land as per the details of Land use Plan (Plate No. IV) and Justification [Annexure – I (A)]

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





FORM-A

## 1 Project details

Originally the lease was granted for a period of 30 years w.e.f 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). 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 dated 21.11.1973. The lease deed was executed between Tata Steel & the State Govt. on 10.01.1978.

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-58/83-14879 MG dated 24.12.1983. During second renewal the lease blocks were separated forming three separate leases. The details of the leases are as follows:

Katamati

: 403.3238 ha.

Joda West

: 1437.719 ha.

Khondbond

: 1293.433 ha.

The State Govt. vide letter No. - III(A) MG-27/84-9026 MG dated 01.09.1984 allotted 2nd renewal of M.L separately for 3 blocks.

The Khondbond lease over an area of 1293.433 ha. was executed between Tata Steel Ltd. and State Govt. on 27.10.1984 and registered vide lease deed No. 69 dated 27.11.1984. (Annexure-I)

Tata Steel Ltd. applied for Third Renewal of the lease for 20 years over reduced area of 978 ha. on 27.10.2001. The copy of RML application and receipt in Form-D enclosed. (Annexure-II)

In the meanwhile Special Secretary to Govt, GoO conveyed an order no. 3315/S&M III(A)SM-01/2004, Bhubaneswar dated 18.04.2015 (Annexure-III) to extend the validity period of mining lease u/s 8A(5) of the M&M(D&R) Act, 1957 as amended by the MMDR Amendment Act, 2015 from 17.01.2003 to 31.03.2030. Accordingly a Supplementary Lease Deed was executed on and registered vide registration no. 11031500239 dated 08.05.2015. (Annexure-IV)

The Company submits that it has all other statutory clearances in respect of its Khondbond Iron & Manganese Mine which are set out hereunder:

- a) Environment Clearance granted vide Ref. No. J-11015/888/2007-IA.II(M), Dt. 21.12.2011 for 1,00,000 MT (ROM) of Manganese Ore and 80,00,000 MT (ROM) and will be increased subsequently (Annexure-V)
- b) Consent to Operate granted vide Ref No. 4814/IND-I-CON-1127, Dt.18.03.2016 & valid up to 31.03.2017. (Annexure-VI)

Mining Plan/Scheme approved vide No. 314(3)/2012-MCCM (CZ)/MS-51, Nagpur dt.19.06.2013. (Annexure-VII)

Stage-II Forest Clearance granted vide Ref. No. 8-98/2004-FC dt 09.08.2006 over an area of 453.150 ha. of forest land. (Annexure-IX)

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

M. C. THOMAS



**FORM-A** 

The location of Khondbond lease falls in Survey of India's Topo-sheet No. 73 G/5 with latitude between 210 54' -50" N to 21 o 57'-47" N and longitude between 85 ° 21'- 00" E to 85 0 24' -17" E

The forest diversion proposal was submitted on 14.11.2002 over 653.15 ha (136.150 ha broken prior to 1980 & 517 fresh). The State Govt. while recommending for forest diversion reduced the fresh diversion area from 517.000 ha to 317.000 ha. Accordingly MoEF, Govt. of India in their in-principle approval vide letter No.8-98/2004 F.C, dated 13.07.2005 (Annexure-VIII) approved for diversion of 453.150 ha (136.150 broken & 317.000 ha fresh) with condition for compliance. After compliance of Stage-I clearance and on recommendation of State Govt., MoEF, Govt. of India granted final clearance (Stage-II) u/s 2 of F.C Act'1980 vide letter No.- 8-98/2004-F.C, dated 09.08.2006 (Annexure-IX).

Further to above, we had applied for Forest Diversion Proposal over balance 369.245 ha. and DFO, Keonjhar had advised us vide memo no. 6506/Mining dated 03.08.2011 to comply deficiencies found in the proposal. DFO, Keonjhar again advised us to submit our proposal in the portal for "Online Submission & Monitoring of Forest and Wildlife Clearance Proposals". Since the diversion for Safety Zone area over 14.362 ha. has also be mandated, hence we submitted our proposal over 383.607 ha. (369.245 ha. + 14.362 ha.) including the Safety Zone area through online (Proposal no. FP/OR/MIN/9739/2015 dated 18.02.2015) and the same is presently under compliance. (Annexure-X)

We are now submitting a separate proposal over 38.441 ha of forest land as per Sabik records as on 25.10.1980 falling within the lease hold as per the circular of MoEF&CC, Govt. of India, New Delhi vide F. No. 8-78/1996-FC (pt.) dated 10.03.2015 & F. No. 8-78/1996-FC (pt.) dated 09.03.2016 as because Tata Steel is planning and implementing a growth plan, which is expected to increase the Steel making capacities with corresponding increase of its iron ore production. As per the circular the non-forest land was authenticated by Tahsildar, Barbil and the extent of forest and involved i.e 38.441 ha as on 25.10.1980 was communicated to DFO, Keonjhar vide letter no. 2682, dated 02.06.2016 (Annexure-XI). Based on the authentication we requested DFO, Keonjhar to raise the Demand for payment of NPV over 38.441 ha of Sabik forest land vide our letter no. JCO/13/404/109, dated 04.06.2016 (Annexure-XI).

The Project is situated under Joda Forest Section, Champua Forest Range of Keonjhar Forest Division, in the State of Orissa. The lease area is coming under Baitarani P.R.F, Khesara Forest, DLC Land, Sabik forest as well as Government Non-Forest Land and tenanted land in the Keonjhar Forest Division in the State of Orissa.

The Site Specific Wildlife Conservation Plan submitted by the Company and the same has been approved by PCCF (WL&CWLW) vide memo no. 843/1 WL-SSP-100/2016, dated 28.01.2016. (Annexure-XIII)

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

M. C. THOMAS



FORM-A

i) Short narrative of the proposal and project/ scheme for which the forest land is required.

Khondbond Iron & Manganese Mine consists of 978.000 ha. lease area.

The details of lease area are as under:

681.718 ha R.F.

K.F. 44.653 ha

DLC 110.386 ha.

Sabik forest .. 38.441 ha.

N.F land .. 102.802 ha

Total 978.000 ha

The lease has been obtained for both of Iron and Manganese Ore. The lease is for exploitation of iron and manganese ore for supplying to Company's Steel Plants, Ferro Manganese Plants. Apart from Iron ore deposit certain portion of the lease coming within the forest land have occurrence of manganese ore. Detailed investigations are essential to prove the deposits for their suitability to our requirement for supplying manganese ore to Ferro Manganese Plants. The lease is already being worked for both Iron & Manganese ore.

875.198 ha.

This mine is one of the major sources of supply of Iron ore to Steel plant of the company located at Jamshedpur, Kalinganagar, Tata Sponge Iron Limited, Tata Metaliks, Tayo Limited. Similarly, high grade Manganese Ore is used in our Ferro Manganese Plants and also it caters to the requirements of Medium grade Manganese Ore for Jamshedpur Works through other Ferro Alloys Plants.

Within the lease area of 978.000 ha, the forest land constitutes 875.198 ha.,(681.718 RF + 44.653 KF + 110.386 ha non- forest Govt. land recently termed as forest land as per DLC report + 38.441 ha. Sabik Forest) and 102.802 ha. of non-forest land. Forest area of 136.150 ha has been broken up prior to 25.10.1980. Under Stage -II Clearance, the MoEF, GoI has approved for diversion of 453.15 ha forest area (including 136.150 ha. Broken up prior to 1980 and 317 ha fresh forest) plus 5.962 ha. left out as Safety Zone vide letter no. F.No.8-98/2004-FC dated 9th. August'2006. Land Schedule of Total Forest Land over 836.757 ha. as per Hal records is enclosed as **Annexure-XIV**.

The company has already deposited the following amount against the approved forest over 453.150 ha:

1. Cost of Compensatory Afforestation over 317 ha.

2. Penal Compensatory Afforestation over 136.95 ha.

3. NPV over 836.757 ha.

4. Wildlife Management Plan

5. Safety Zone & 1.5 times SZ

6. Protection & Maint. of 377.645 ha. & Conservation and enrichment of 315.433 ha. Non-mineralized area

Rs. 126.21 lacs

Rs. 23.38 lacs

Rs. 6544.65 lacs

Rs. 420.54 lacs

Rs. 0.433 lacs

Rs. 67.77 lacs

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



FORM-A

		Co	mnany has subsequently, submitted a property
		ha	ompany has subsequently, submitted a proposal for diversion over 369.245 a. of forest land and Divisional Forest Officer, Keonjhar Forest Division had divised to submit compliance of proposal vide his memo no. 6506/Mining ated 03.08.2011. (State Sl No 486.2011 dt 31.05.2011).
		Di 74 0 ai V F	ivisional Forest Officer, Keonjhar Forest Division advised vide his letter no. 481/Mining dated 12.11.2014 to re-submit the above proposal through SMFCP (Online Submission and Monitoring of Forest Clearance Proposals) accordingly we re-submitted the proposal over 383.607 ha. (369.245 ha. irgin Forest + 14.362 ha. Safety Zone Area) vide proposal no. P/OR/MIN/9739/2015 dated 18.02.2015. (Annexure-X)
t	Map showing the required forest land, boundary of adjoining forest on a 1:50,000	: L	cocation Plan of the Mining Lease and the forest area over 38.441 ha applied or diversion as per Sabik Records (as on 25.10.1980) is enclosed as drawing bearing Drg. No. KIMM/DRP/I/16 showing the details is annexed as drawing PLATE No I
	scale map. Cost of the	:	Total cost of Project is Rs. 2320.00 Crores.
,	project.		
	Justification for locating the project in forest area		In coming years the Steel Company is expanding its capacity many folds. It is required that Iron Ore is fed from different mines to attain targeted level of production. In view of the above expansion Khondbond lease is very much required to augment the iron ore as well as manganese ore production.  We are submitting the forest diversion proposal over 38.441 ha. Of forest land
			as per Sabik records as per the directive of MoEP&CC, dovc. of india, not issued vide circular no. F. No. 8-78/1996-FC (pt.) dated 10.03.2015 & F. No. 8 78/1996-FC (pt.) dated 09.03.2016. As can be seen from Geological Plan (Plat No -V) intensive mineralized zone of Manganese and Iron Ore occurs both is broken up and fresh forest areas and as such mining has to be in the forest areas. Other ancillary activities linked with mining operation are primarily innon-forest & planned in broken up forest land. Very small area for essentia activity planned in fresh forest land (non-mineralized zone). As such 38.44 ha. of fresh forest land sought for diversion over Sabik forest for meeting the requirement of fulfill the supply of Iron Ore & Manganese Ore to lessee's Steplant at Jamshedpur, Kalinganagar, Tata Sponge Iron Limited, Tata Metalik Tayo Limited, Ferro Manganese Plants at Joda, Company's Steel Plants & other Group of Companies. The detailed justification is separately enclosed.
v)	Cost benefit	:	Annexure-I(A).  Cost Benefit Analysis has been done and details is furnished as Annexure-XV
	analysis Employment		In the Khondbond Iron & Mn. Mine, the additional employment likely to
vi)	likely to be		generated for manpower is 400 directly and 300 muli ectly.
2.	Purpose-wise h	reak	-up of the total land required (already approved & proposed). Details giv
2.	1 1 1		ated in the land like ridil begins browning
	KIMM/DRP/IV	/16	annexed as drawing Plate No. III & IV respectively.  FOR AND ON BEHALF OF

FOR AND ON BEHALF OF

TATA STEEL LIMITED

BY THEIR CONSTITUTED ATTORNEY



FORM-A

# LAND USE PATTERN OF ALREADY APPROVED AREA (453.150 Ha), APPLIED FOR DIVERSION (383.607 Ha) & NOW APPLIED FOR SABIK FOREST LAND (38.441 Ha) TILL 31.03.2020 (Ref. Plate-IV-A)

GIVENIO	TOTAL		257.579	116 727	157.611	109.227		21.98		18.611		1			46.231	0.38	15.374	70070	391.881	978.000		in Mn would be rehandled for mining
NON-FOREST	(102.802 ha.)		20.433	000	13.009	9999		0		0.207		0			3.403	0.380	6	>	58.704	102.802		would be reha
	TOTAL		42.55		24.112	12,006	12.000	2.69		3.01	10.0	c	,		800.6	0		15.374	313.218	422.048		dumns in Mi
SABIK FOREST	PATTERN	(38,441ha.)	4.6	O.F.	9.296	1	3.675	2.69		0	60.0		1		1.837			1.012	14.941	38 441		Of Jourt of OB
AREA		DIC		:	-		1				1		1		-		!	2.36	1	200	7.30	
APPLIED FOREST AREA	(383.607 На.)	KF	IN	0.765		1	1		:		1		1		1		1	0.257		+	1.022	
APPLIEI	(38	DE	Ž.	37.185	11 516	14.510	8.411		1		2.920		1		7.171		1	11 745	777	717.867	380.225	
	ď.		Total	194.596	100	78.616	90.475		19.290		15.394		1.000		33.820		0.000	0000	0000	19.959	453.15	
DDECT ADE	APPROVED FOREST AREA (453.150 Ha)		DLC	52.348		37.760	4.535		1.970		1.330		1		3.180		1			6.787	107.910	
	ROVED FOREST (453.150 Ha)		KF	4.050		2.486	13.528		8.490		8.394		1.000		3.280		1			2.052	43.280	
	APF		RF	138 198	100.1	38.370	77 412	12.77	8.830		5.670		}		27.360					11.12	301.960	
		Furpose		:		Storing Mineral / Ore, sub-	Dumning of Over Burden /	slime dam etc.	Storing Tools, Machineries &	- 1	Construction of Building	store etc	Township, Housing Colony		Construction of Road, Ropeway, conveyor ,pipe	line, power line and Kiy Lille	בור.	Magazine	Safety zone	IIn-utilised area	TOTA!	10195
	5		No.		A)	B)		ට	2	(u	ε	์ บิ		E	9	5		H)				

#: Part of the area where mining was done would be utilized for storage of slime/over burden dumping. Part of 0B dumps in Mn would %%: Part of the area where mining was done would be utilized for Storing Tools, Machineries & plant etc \*. Part of the area where mining was done would be utilized for storage of mineral/ sub grade ore Note:

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



FORM-A

# LAND USE PATTERN OF ALREADY APPROVED AREA (453.150 Ha), APPLIED FOR DIVERSION (383.607 Ha) & NOW APPLIED FOR SABIK FOREST LAND (38.441 Ha) TILL 31.03.2025 (Ref. Plate-IV-B)

		_		_				Г	7				٦					T	T			
CDAND	TOTAL		312.964		109 671		168.156	24.08	21.98	10000	£77:07	7	7		46.231	0.38	15 274	F/C'CT	276.02	978.000		
	NON-FOREST (102.802ha.)		28213	617:07	000	13.009	25.529		0		11.221	,	0		3.403	0.380	,	0	21.047	102.802		
	TOTAL		100	95.58/		24.112	28.479		5.69		3.043		0		800.6	0	,	15.374	243.755	422.048		
SABIK FOREST	LAND USE	CO 441 ha)	(30.441 11a.)	098.9		9.596	3.675		2.69		0.123		1		1.837			1.012	12.648	38.441		
DEA	INEA	DIC	חחת	1		1	1		!		1		;		1		:	2.36	1	236	4:30	
A TOBECT A	APPLIED FUKEST ANEA (383.607 Ha.)	1/1	Nr	0.765		ı		1			1				1		1	0.257		4 000	1.022	
	APPLIED (383		KF	87 962		14.516		24.804		1	2.920			1	7.171		1	11 745	221 107	701.177	380.225	
	A		Total	100 164	107,101	72.55		114.148		19.290	11,960			1.000	33.820		0			11.218	453.15	
	APPROVED FOREST AREA	o mar	DLC	0 0 1	53.500	24.040		17.103		1.970	1.330			1	3.180		1			6.787	107.910	
	ROVED FOREST	(433,13	KF	1	3.050	5.920		16.580		8.490	7.960	4.700		1.000	3.280			:		0	43.280	
	APP		RF		132.614	42.590		80.465		8.830	L L	2.070		1	27.360			1		4.431	301.960	
		Purpose			Mining #	Storing Mineral / Ore,	etc.*	Dumping of Over Burden	/ slime dam etc. **	Storing Tools ,	Construction of Building	Power Station	Workshop, store etc	Township, Housing	Construction of Road, Ropeway, conveyor ,pipe	line, power line and Rly	Line etc.	Magazine	Safety zone	Un-utilised area	TOTAI.	
		CI NO	SI. NO.		(A)	( )	O .	6	ĵ.	D)		E)		F)	(	5		(H	=	=		

ATTORNEY TATA STEEL LIMITED \*. Part of the area where storage of mineral/ sub grade ore was done would be utilized for storage of slime & in some part for mining AND ON BEHALF OF \*\*: In Manganese area, one dump would be rehandlied to backfill pit and mining to resume in the rehandled dump location. #: Part of the area where mining was done would be utilized for storage of slime and sub=grade mineral stacking Note:

M. C. THOMAS BY THEIR CONST



FORM-A

# LAND USE PATTERN OF ALREADY APPROVED AREA (453.150 Ha), APPLIED FOR DIVERSION (383.607 Ha) & NOW APPLIED FOR SABIK FOREST LAND (38.441 Ha) TILL 31.03.2030 (Ref. Plate-IV-C)

		_			_		T				T	T										
GRAND	TOTAL	1	454.511	107.674		303.857		21.98		26.224	-	1		46.231		0.38	15 374	2.007	0.769	978.000		
NON-FOREST	(102.802 ha.)		49.26	12 000	13.00.	25.529		0		11.221		0		3.403		0.380		0	0	102.802		0 0 1 A U U U
	TOTAL		251.543	I I	7/8.77	114 744	11/11/11	2.69		3.043		0		800.6		c	,	15.374	692'0	422 048		PO BILLDEGINO CINA GOT
SABIK FOREST	LAND USE PATTERN	(38,441 ha.)	18.739		9.596	L C	3.075	2.69		0.123		1		1.837			:	1.012	0.769	444	30.441	
		DTC			1		1			1		:		1			1	2.36	1		2.36	
APPLIED FOREST AREA	(383,607 Ha.)	KF	-	0	0.765		1		1		!		:				-	0.257		:	1.022	
APPLIEI	(38	RF	10000	232.804	14.516		111.069		1	000	7.920		1	7	1.1.1		1	11 745	21 /177	1	380.225	
\ \frac{1}{2}	L'A	Total	Intai	153.708	69.788		163.584		19.290		11.960		1.000		33.820		0			0	453.15	
ODECT AD	APPROVED FOREST ANEA (453.150HA.)	210	DEC	62.452	10 970	10:210	28.008		1.970		1.330		1		3.180		1			1	107.910	
	PROVED F (453.1		¥	5.768	010	4.339	15.423		8.490		4.960		1.000		3.280					1	43.280	
	AP		RF	85.488	1	54.459	120.15	3	8.830		5.670		1		27.360			:		1	301.96	0
		Purpose		Mining #	Organiza Mineral / Ore Sub-	grade and top soil etc. *	/ ua	slime dam.	Storing Tools, Machineries	& Plant etc.	Power Station Workshop,	store etc	Township Housing Colony	Construction of Road,	Ropeway, Conveyor , Pipe	line, Power line and ray	Line etc.	Magazine	Safety zone	Un-utilised area	I V HOE	IOIAL
		Sl. No.		(4	(A)	B)		ට	la		H	(II	E		9	5		(H	=			

#: Part of the area where mining was done would be utilized for storage of slime \*: Part of the area where storage of mineral/ sub grade ore was done would be utilized for mining Note:

TATA STEEL LIMITED

BY THEIR CONSTITUT

M. C. THOMAS



Part-I

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	Whetl 1986	her clearance under Environment (Protection) Act, required? (Yes/No).	Yes. Environment Clearance has already been granted by MoEF, Govt. of India vide Ref. No. J-11015/888/2007-IA.II(M), dated 21.12.2011 for 1.00 MTPA of Manganese Ore (ROM) & 8.00 MTPA Iron Ore (ROM).  Copy of the letter is enclosed as Annexure-V
5	of compand prep	ertaking to bear the cost of raising and maintenance compensatory afforestation and/or penal pensatory afforestation as well as cost for protection regeneration of Safety Zone, etc. as per the scheme ared by the State Government (undertaking to be osed).	compensatory afforestation and/or penal compensatory afforestation as

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

Sl. No.	Description of Documents	Annexure	Page No.
1	PART-1 (Form-A) for seeking prior approval under section 2	Annexure -A	
	of proposal.	Annexure - A1	
2	PART-II of Form -A	Annexure - A2	
3	PART-III of Form-A	Annexure - A3	
4	PART-III A of Form-A	Annexure - A4	
5	PART-IV of Form-A	Annexure - A5	
6	PART-V of Form-A	Annexure - B &	
7	Check-list	Annexure - B1	
8	Justification for requirement of forest land.	Annexure - I (A)	
	Lease Deed over an area of 1293.433 ha. was executed	Annexure-I	
9	between Tata Steel Ltd. and State Govt. on 27.10.1984 and registered vide lease deed No. 69 dated 27.11.1984		
	Renewal application over 978 ha for further period of 20	Annexure-II	
10	years w.e.f. 17.1.2003 submitted on 29.10.2001, copy of Land Schedule and Plan of renewal applied area and Schedule of Forest Lands within RML applied area.		
	Govt. Order No. 3315/S&M III(A)SM-01/2004, Bhubaneswar	Annexure-III	
11	1 1 1 1 0 04 2015 for extension of Lease Period	ONAnnexu Fe OV	
12	· In · · · · · · · · · · · · · · · · · ·	Annexured	
13	Come of Environmental Clearance for production of 6 Milim		1-16

Khondbond Iron & Manganese Mines



Part-I

l. o.	Description of Documents	Annexure	Page No.
	Iron Ore (ROM) & 1 LTPA Manganese Ore.		
4	Copy of Consent to Operate granted vide Ref No. 16275/IND-	Annexure - VI	
17	L CON 1127 Dt 09 11 2016	****	
15	Copy of letter No. 314(3)/2012-MCCM (CZ)/MS-51, Nagpur	Annexure - VII	
10	dt.19.06.2013 of IBM along with a copy of Mining plan		
	(aubmitted in a senarate volume).		
16	Copy of Stage-I Clearance No. F.No.8-98/2004-FC, dated 13th.	Annexure - VIII	
	July 2005	Annexure - IX	
17	Copy of Stage-II Clearance F.No.8-98/2004-FC, dated 09th.	Annexure - IX	
	August'2006	Annexure - X	
18	Acknowledge for Proposal no. FP/OR/MIN/9739/2015	Allicaure A	
	dated 18.02.2015 over 383.607 ha	Annexure - XI &	
19	Copy of letter no. 2682, dated 02.06.2016 from Tahsildar, Barbil after authentication of Land Schedule of Sabik Forest	XIA	
	Barbil after authentication of Land Schedule of Sabik Forest Land over 38.441 ha within ML area of Khondbond Iron &		
	Manganese Mine and 2856, dated 10.06.2016 and Land		
	Schedule over 102.802 ha. of non-forest land.		
20	Certificate towards payment of NPV in respect of all other	Annexure - XII	
20	mines/projects of the lessee situated in Keonjhar District of		
	Odisha		
21	Copy of letter from PCCF (WL&CWLW) vide memo no. 843/1	Annexure - XIII	
21	WL-SSP-100/2016, dated 28.01.2016 for approval of Site		
	Specific Wild Life Conservation Plan.	. 3/13/	
22	Land Schedule of total Forest Land within ML area of	Annexure - XIV	
	Khondbond Iron & Manganese Mine over 836.757 ha.	Annexure - XV	
23	Cost Benefit Analysis		
24	Undertakings.	Annexure - XVI	
0.5	Phased Reclamation and Afforestation Scheme and	Annexure - XVII	
25	Thaseu Recamación		
26	programme.	Annexure - XVIII	
20	Surface Right Grant Statement.	Annexure - XIX	
27	Copy of Registered Power of Attorney.	Annexure - XX	
28	Brief Profile of the Lessee  Respect Letter no ICO/13/481/108 dt. 21.07.2016	Amiexure and	
		Annexure-XXI	
29	addresses to Collector, Keonjhar for issue of FRA Certificate		
	and letter no. 2379/ITDA dt. 09.09.2016 from PA ITDA to		
	BDO, Joda for taking necessary action for the same.	Annexure-XXII &	ž
30	Details of Land identified for CA with CA Scheme.	XXIIA	
0.4	Note on End Use of Product	Annexure-XXIII	
31		Annexure-XXIV	1
32	Note on Method of Transportation  Abstract of Tree Enumeration	Annexure-XXV	

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



Part-I

	DRAWING PLATES SUBJECT	DRAWING NO.
PLATE NO.	Location Plan showing Iron & Manganese Mining Lease Area over 978.000 HA. in respect of Khondbond in Keonjhar Dist. Reference Topo Sheet No. 73-G/5 (Scale -1:50,000)	-
II & IIA	Plan Showing the lease map forest & non-forest within Mining Lease Area of 978.000 HA. of Khondbond Iron & Manganese Mine (Scale 16" = 1 Mile Or 1:5000)	KIMM/DRP/II/16
11 & 11A	Map Showing DGPS Surveyed forest of 38.441 ha. area as on 25.10.1980 to be diverted as per Sabik Records within ML Area of 978.000 ha.	KIMM/DRP/IIA/16
IIB	Man showing Original Lease Plan	-
TID	Plan showing approved land use of forest & non-forest land.	KIMM/DRP/III/16
III & IIIA	Plan showing present utilization of approved forest, applied forest land (383.607 ha.) and non-forest land.	KIMM/DRP/IIIA/16
YYYD	Plan showing present land utilization of forest land	KIMM/DRP/IIIB/16
IVA	Land use plan of forest land already diverted (453.150 ha.) already applied area (383.607 ha.) and now applied Sabik forest area (38.441 ha.) up to 31.03.2020	KIMM/DRP/IVA/16
IVB	Land use plan of forest land already diverted (453.150 ha.) already applied area (383.607 ha.) and now applied Sabik forest area (38.441 ha.) up to 31.03.2025.	KIMM/DRP/IVB/16
IVC	Land use plan of forest land already diverted (453.150 ha.) already applied area (383.607 ha.) and now applied Sabik forest area (38.441 ha.) up	KIMM/DRP/IVC/16
V	Surface Geological Plan of Khondbond Iron &	KIMM/DRP/V/16
VI	Plan showing Safety Zone area for mining operation Khondbond Iron & Manganese Mine (Scale 16" = 1	KIMM/DRP/VI/16
VII	Plan showing Phase Reclamation and Afforestation of Khondbond Iron & Manganese Mine (Scale 16" = 1 Mile Or 1:4000)	KIMWI/ DIG / VII/ IC
VIII	Map showing the non-forest Govt. land for Compensatory Afforestation in Rodanga Village under Kankadahad Tahasil in Dhenkanal District	KIMM/DRP/VIII/1
IX	Map showing DGPS Surveyed Co-ordinates and Boundary of forest area proposed to be diverted of Khondbond Iron & Mn. Mines authenticated by ORSAC	TATA STEEL LIMIT HEIR CONSTITUTED AT

FORM-A

**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.



FORM-A

12.	Divisi	on/District profile:
	(i) (ii) (iii) (iv)	Geographical area of the district.  Forest area of the district.  Total forest area diverted since 1980 with number of cases.  Total compensatory afforestation stipulated in the district/division since 1980 on (a) forest land including penal compensatory afforestation,  (b) Non-forest land.  Progress of compensatory afforestation as on (date) on  (a) Forest land  (b) Non-forest land.
13.	Spec	ific recommendations of the DCF for acceptance or otherwise of the proposal with reasons.
		Signature
		Name Official Seal
	Date	9:

Place:-\_\_\_\_



FORM-A

**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

Place:-\_\_\_\_

Section of the sectio



FORM-A

ANNEXURE - A3

### **PART-III A**

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

- 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.

		Signature Name Official Seal
Date:		
Place:		



FORM-A

ANNEXURE - A4

### PART-IV (To be filled in by the Nodal Officer or Principal Chief Conservator of Forests or Head of Forest department)

17.	<u>Detailed opinion and specific recommendation of the State Forest Department for acceptance of otherwise of the proposal with remarks.</u>
-----	--

(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:	



FORM-A

**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:
TO.	

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

	Signature Name & Designation (Official Seal)
Date:	 (Official bear)
Place:	



**FORM-A** 

### **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.