

Subject : Diversion of 1243.27 ha. of Forest land in favour of M/s ODISHA MINING CORPORATION LTD for Dubna-Sakradihi Iron and Manganese Ore Mines in District Keonjhar , State Orissa.

1. The State Government of Orissa vide their letter no. **10F (Cons) 77/19-17138/F&E** and date **06.09.2019** submitted the above mentioned proposal to obtain prior approval of central Government, in accordance with Section-2 of the Forest(Conservation)Act,1980.

2. Details indicated in the proposal submitted by the Government of Orissa are as below

FACT SHEET

1.	Project Details	
(i)	Proposal No	FP/OR/MIN/30349/2017
(ii)	Name of the Proposal	Dubna-Sakradihi Iron and Manganese Ore Mines
(iii)	Short Narrative of the proposal and Project/scheme for which the forest land is Required	Dubna-Sakradihi Iron and Manganese Mines of OMC Ltd., a State Government PSU, in villages of Handibhanga, Jampani, Dubuna and Purunadih under Barbil Tahasil and Basantapur and Naibuga under Jhumpura Tahasil and a part of Pedipokhari RF and Naibuga RF under Keonjhar Forest Division of Keonjhar distri
(iv)	Category	Mining
(v)	Total Area of the Forest Land (in ha.) :	1243.27
(vi)	Total period for which the forest land is proposed to be diverted (in years)	17
2.	Location:	
(i)	State	Orissa
(ii)	District	Keonjhar
3.	Detail of user agency	
(i)	Name of the user agency	ODISHA MINING CORPORATION LTD
(ii)	Shape of forest land proposed to be diverted	Non Linear
(iii)	Legal status of User Agency	State PSU

4. Legal status of forest land proposed for diversion

S. No.	Division	Forest Land(ha.)	Legal Status
1	Keonjhar	773.336	Reserved Forest
2	Keonjhar	28.992	Revenue Forest
3	Keonjhar	402.743	District Level Committee (D.L.C.) Forest
4	Keonjhar	38.199	Non-forest land recorded as Forest as on 25.10.1980.

5. Land use plan

Component wise breakup

S.no	Component	Forest Land(ha.)	Non-Forest Land(ha.)
1	Mining	1025.1813	20.2767
2	Overburden dump	78.4965	0.0998
3	Mineral Storage	107.2916	0.7358
4	Mineral processing	5	0

5	Infrastructure	3.1192	0.2113
6	Green belt	1.3478	0
7	Road	1.5129	2.0921
8	Safety zone area for mining operation	21.3207	12.402
9	Land use for Public purpose, Nalla, Road, Agricult	0	52.9313
Total		1243.27	88.749

6. Vegetation

(i) Species-wise and diameter class wise enumeration of trees

1.Division Name :Keonjhar

Species-wise local/scientific names and girth-wise enumeration of trees at FRL

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Acacia catechu	Khaira	0	57	40	23	7	3
2	Dalbergia sisoo	Sisoo	0	77	25	16	3	1
3	Tectona grandis	Teak	0	392	95	10	1	1
4	Pterocarpus marsupium	Piasal	0	528	253	67	12	11
5	Ougeinia ougenensis	Bandhan	0	134	40	13	8	3
6	Gmelina arborea	Ghambhar	0	493	177	35	10	5
7	Adina cordifolia	Kuruma	0	43	9	2	1	0
8	Anogeissus latifolia	Dhaura	-1	1334	598	186	46	17
9	Terminalia tomentosa	Asan	0	4781	1327	282	61	30
10	Mangifera indica	Mango	0	64	58	45	36	107
11	Syzygium cumini	Jamu	0	1573	630	171	59	76
12	Diosporus Melanoxyton	Kendu	0	7790	698	136	44	31
13	Bridelia retusa	Kasi	0	795	272	60	20	12
14	Artocarpus integrifolia	Panasa	0	1	0	1	1	11
15	Misc. Species	Misc	0	31704	7899	2556	1021	1531

(ii) Density of Vegetation

S.No.	Division Name	Density	Eco Class
1	Keonjhar	0.5	Eco 3

(iii) Total numbers of trees to be filled

S.No.	Division Name	Total numbers of trees
1	Keonjhar	68658

(iv) Total Tree to be retained .

S.No.	Division Name	Less than 60(in cm.)	Greater than 60(in cm.)
1	Keonjhar	49765	18893

7. Vulnerability of area to soil erosion

S.No.	Division Name	Vulnerability of area

		1	Keonjhar	No
8.	Approximate distance of proposed site for diversion from boundry of forest (in Km.)	S.No.	Division Name	distance from boundry of forest(Km.)
		1	Keonjhar	0
9.	Significance of the forest land proposed for diversion from wildlife point of view			
(i)	Details of wildlife present in and around the forest land proposed for diversion	S.No.	Division Name	Details of wildlife diversion
		1	Keonjhar	Hyna, Snake, Rabbit etc
(ii)	Whether forms part of national park, wildlife sanctuary, biosphere reserve,tiger reserve, elephant corridor, wildlife migration corridor etc.	S.No.	Division Name	National park/Wildlife sanctuary/Biosphere reserve/Tiger reserve/Elephant corridor/Wildlife migration corridor
		1	Keonjhar	No
(iii)	Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act,1972 (Note: In case, ESZ of a Protected Area is not notified,then,10kms distance from boundary of the Protected Area should be treated as ESZ)::	S.No.	Division Name	Diversion is located within ESZ
		1	Keonjhar	No
(iv)	Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion :	S.No.	Division Name	Location of reserve/corridor within 1 Km. from boundary of the forest land
		1	Keonjhar	No
(v)	Whether any rare/endangered/unique species of flora and fauna found in the area :	S.No.	Division Name	flora and fauna found in the area
		1	Keonjhar	No
10.	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, ifrequired.	S.No.	Division Name	Details of with NOC from competent authority
		1	Keonjhar	No
11.	Whether the requirement of forest land as proposed by the User Agency is unavoidable and bare minimum for the project.if no,recommended area item-wise with details of alternatives examined.	This is a proposal for mining whcih is site specific in nature		
12.	Whether any work in violation of the Act has been carried out(yes/No).if yes,details of	Details of violation(s), if any ,committed		
		Division Name	Details of violation(s)	Period of Work
				Area of forest land involved in violation

	the same including of the work done,action taken on erring officials. Whether work in violation is still under progress.	Keonjhar	Production of Iron ore from 1994-95 to 2006-07 wit	done(year)	19942007	(in ha.):	0
13.	Details of compensatory afforestation scheme						
	Patch wise details of non-forest or Revenue forest land to be provided by User Agency for CA						
	Patch Wise Details						
	S.no	District Name	Village	Area(in ha.)			
(i)	1	Kalahandi	Kumjore	224.85			
	2	Kalahandi	Pokhariguda	305.16			
	3	Kalahandi	Uparjhabi	360.05			
	4	Kalahandi	Silet	89.316			
	Total	Area :979.376					
	Patch wise details for Degraded Area (To be earmarked by DFO)						
(ii)	No Data						
	Total Financial Outlay for C.A(lacs):		S.No.	Division Name	Total Financial Outlay for C.A(lacs)		
(iii)			1	Keonjhar	2759.46777		
	Whether the land identified by User Agency is suitable for CA and from managementpoint of view:		S.No.	Division Name	Land is suitable for CA		
(iv)			1	Keonjhar	Yes		
14.	Documentary evidence in support of settlement of rights in accordance with the provisions of the scheduled Tribes and other Traditional Forest Dwellers(Recognition of forest Rights) Act,2006 on the forest land proposed to be diverted enclosed.	District Collector, Keonjhar has submitted certificate for settlement of rights in accordance with the provisions of the scheduled Tribes and other Traditional Forest Dwellers(Recognition of forest Rights) Act,2006 for 1243.664 ha forest land.					
15.	Whether the project requires envirmnt Clearance	(a). Status of the Environmental Clearance to the Project: EC application yet to be submitted					
16.	Catchment Area Treatment Plan	NA					
17.	Rehabilitaion of Outstee						
(i)	Number of SC Families	0					
(ii)	Number of ST Families	0					
(iii)	Number of Backword Families	0					
(iv)	Copies of R&R Plan	State Government has reported that the project does not involve displacement of any human habitation. hence R&R plan is not required for the proposed project.					
18.	Cost Benefit Analysis	1 17					

19.	Total cost of the project(in crore):	13263																												
20.	Employment Potential	Permanent Employee : 200 Temporary Employee : 0 Total Employee : 200																												
21.	Details of Mining lease	Yes																												
(i).	Whether the forest land is acquired under Coal Bearing Areas Act	No																												
(ii).	(a).Reference number of Letter of Intent for grant of mining lease: (b).Date of issue of the Letter of Intent(LOI) for grant of mining lease: (c).Total area of the mining lease(in ha.): (d).Area of forest land located in the mining lease(in ha.):	IV(A) SM-62/05-3607/SM 18 Feb 2008 1332.019 1243.27																												
(iii).	Details of Mining Plan	No																												
(iv).	(a).Date of approval of mining plan: (b).Approval authority: (c).Nature of mining (underground/opencast):	15 Nov 2017 IBM Opencast																												
(v).	Total area of safety zone of the mining lease in ha	No Record Found																												
(vi).	Details of safety zone of mining lease	No Record found																												
(vii).	Detail of prospecting activity under taken in the mining lease:	.																												
(viii).	Details of bore holes drilled for prospecting :	<table border="1"> <thead> <tr> <th colspan="5">Bore holes drilled for prospecting</th> </tr> <tr> <th>S.no</th> <th>No. of Bore holes (in forest land)</th> <th>Diameters(in inch.) forest land</th> <th>No. of Bore holes (in non-forest land)</th> <th>Diameters(in inch.) non-forest land</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1103</td> <td>4</td> <td>38</td> <td>4</td> </tr> </tbody> </table>	Bore holes drilled for prospecting					S.no	No. of Bore holes (in forest land)	Diameters(in inch.) forest land	No. of Bore holes (in non-forest land)	Diameters(in inch.) non-forest land	1	1103	4	38	4													
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(x).	a) Details of approval under the Forest (Consevation) Act,1980 obtained for undertaking prospecting activities in the forest land located in the mining lease : b)Whether approval under the Forest (Conservation) Act, 1980 for undertaking prospecting activities in the forest land located in the mining lease have been obtained :	No <table border="1"> <thead> <tr> <th colspan="6">Details of approval under the Forest(Consevation) Act,1980</th> </tr> <tr> <th>S.no</th> <th>MoEF File No</th> <th>Date of approval</th> <th>Area of forest land diverted(in ha.)</th> <th>From Date</th> <th>To Date</th> </tr> </thead> <tbody> <tr> <td colspan="6">NA</td> </tr> </tbody> </table>	Details of approval under the Forest(Consevation) Act,1980						S.no	MoEF File No	Date of approval	Area of forest land diverted(in ha.)	From Date	To Date	NA															
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22.	Undertaking to bear the cost of CA and NPV																													

23. District Profile

S.no	District Name	Geographical area of the district (in ha.)	Forest area of the district (in ha.)	Total forest area diverted since 1980 (in ha.)	No. of Approved Cases	Forest Land including penal C.A. (in ha.)	Progress of compensatory afforestation as on(date)	Forest land (in ha.)	Non-forest land (in ha.)
1	Keonjhar	830300	336615.6293	10319.8016	77	6664.4855	06/11/2018	4148.92	5983.9016

24.	Total area proposed for afforested since 1980 -	Degraded forest land - 6664.4855 Penal CA over Forest land - 4148.92 Non-Forest land - 5983.9016 Total- 16797.3071
25.	Total area afforested since 1980 -	Degraded forest land - 6664.4855 Penal CA over Forest land - 4148.92 Non-Forest land - 5983.9016 Total- 16797.3071

26. Site Inspection Report

Division	Circle	Site Inspection By	Date Of Visit	Brief Details of SIR at DFO
Keonjhar	Rourkela	DFO	06/11/2018	Eco Value Class of the applied forest has been taken as "Eco Value Class III" based on Eco Value Class prevailing vegetation in Pedipokhari and Naibaga Reserved Forest falling within the leasehold area. The canopy density of the applied area 0.3 to 0.7 and the average canopy density is taken as 0.5.
	Rourkela	CF	03/12/2018	Dubuna Sakradih Iron & Manganese Ore Mines of M/s OMC Ltd. Proposal No. FP/OR/MIN/30349/2017, State Sl. No. OR 069/2017 Dtd. 06.12.2017

27. Recommendation with Specific conditions, (if any)**DFO/CF/PCCF/Nodal Officer**

Division	Circle	Recommendation By	Recommendation	Remarks/Conditions
Keonjhar	Rourkela	DFO	Recommended	Dubna Sakradih Iron & Manganese Ore Mines of M/s OMC Ltd has been amalgamated vide proceedings No.3687/SM dt 18.02.2006 of the Steel & Mines Department, Govt. of Odisha over 1332.019 ha. This area involves 773.336 ha of Reserve Forest, 28.992 ha Revenue Forest, 402.743 ha DLC forest, 38.199 ha of non forest area recorded as forest as on 25.10.1980, 30.161 ha of Non forest Govt. land and 58.588 ha tenanted land. A total amount of Rs. 80,67,50,746/ has been deposited by the User Agency in Ad hoc CAMPA towards NPV including interest on belated payment of NPV amounting Rs. 9,74,816/ as per prevailing rate. User Agency undertakes to pay the balance amount of NPV over balance forest area over 87.434 ha as per the prevailing rate. The proposed area is unavoidable and the barest minimum for the purpose of mining. There is no sign of prevalence of endangered, threatened and vulnerable wild fauna in the said area except movement of wild elephant occasionally noticed. The proposed diversion of forest land will not attract displacement of people. The said proposal, is therefore, recommended for necessary approval under Sec 2 ii of FC Act, 1980 taking the aforesaid fact into consideration.
	Rourkela	CF	Recommended	As per the diversion proposal. the Benefit is more than the Cost.
		Nodal Officer	Recommended	Recommended for diversion of 1243.27 ha of forest land for Iron and Manganese mining in Mining lease area of 1322.019 ha of Dubuna Sakradih Iron Manganese Mines under Keonjhar Forest Division of

Keonjhar District, Odisha by M/s Odisha Mining Corporation OMC Ltd for approval under Section 2 of Forest Conservation Act, 1980

28. Specific recommendation of the State Government

State	Recommendation By	Recommendation	Remarks/Conditions
Orissa	State Secretary	Recommended	Recommended vide letter no 17138 dated 06.09.2019
29.	Forwarding Letter for Nodal Officer		Forwarded to the Addl.Chief Secretary to Govt. F& E Department, Odisha, Bhubaneswar vide this office letter No.14564 dated 17.09.2019 for approval under Section-2 of Forest (Conservation) Act, 1980.
30.	Forwarding Letter for State Government		

Brief detail of SIR by RO

The forest diversion proposal of the State Govt. is recommended for consideration by the FAC and the Ministry.

Comments of Additional Information By :

i. DSS & GIS Division Remarks

ii. Scientist-C/TO Remarks

F. No. 8-26/2019-FC

Sub. Proposal for diversion of 1243.270 ha of forest land involve in the mining lease area over 1322.019 ha of Dubna-Sakradihi Iron and Manganese Ore Mines of M/s OMC Ltd in Keonjhar District, Odisha.

(1) The State Government of Odisha vide their letter No. 10F (Cons) 77/19-17138/F& E dated 06.09.2019 submitted above subject proposal seeking prior approval of Government of India, under Section 2 of Forest (Conservation) Act. 1980.

(2) Ministry vide its letter dated 20.09.2019 requested the Regional office, Bhubaneswar to carry out site inspection of the proposal area. Regional Office, Bhubaneswar vide their letter no. 5-ORA 393/2019-BHU dated 18.10.2019 forwarded SIR done by RO. SIR is reproduced below

1.	Legal status of the forest land proposed for diversion	
	Legal status	Area in Ha.
	Reserve Forest	773.336
	Revenue Forest	28.992
	Forest as per DLC	402.743

Non-forest area recorded as forest as on and after 25.10.1980	38.199
Total	1243.27

2. Item-wise break-up details of the forest land proposed for diversion (in ha)

Sl. No.	Pattern of utilisation	R.F.	Revenue Forest	DLC forest	Non-forest area recorded as Forest as on 25.10.1980	Total
1	Mining	718.1819	21.1457	272.9921	12.8616	1025.1813
2	OB Dump	25.9233	0.7065	46.5932	5.2735	78.4965
3	Mineral processing	0	0	5.000	0	5.000
4	Mineral Storage	19.4473	3.5135	71.3127	13.0181	107.2916
5	Infrastructure	0	0.0961	2.3144	0.7087	3.1192
6	Green belt	0	0.6976	0	0.6502	1.3478
7	Road	0.4783	0	0.0594	0.9752	1.5129
8.	Safety zone	9.3052	2.8326	4.4712	4.7117	21.3207
TOTAL	773.336	28.992	402.743	38.199	1243.27	

3. Whether proposal involves any construction of buildings (including residential) or not. If yes, details thereof

As per the information submitted by the user agency, the project does not involve construction of

	buildings (including residential).
4.	Total cost of the project at present rates
	As per the information submitted by the user agency the total cost of the project is Rs.132.63 Crores.
5.	<u>Wildlife</u>
	Whether forest area proposed for diversion is important from wildlife point of view or not
	<p>The applied area does not form part of any National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor, etc. Movement of wild elephants is often witnessed in the applied forest land. The applied site falls under elephant habitat zone-2 as mentioned by ORSAC, Bhubaneswar.</p> <p>Existence of no rare or endangered species have been reported in the applied area for diversion till date. As per RCCF, Rourkela Circle wild animals like Barking Deer, Wild Pig, Sloth Bear, Indian Hare and Peacock, etc. in addition to the migratory elephants are seen in the area.</p>
6.	<u>Vegetation</u>
	<p>Major portion of the forest area applied for diversion falls within Pedipokhari RF and Naibuga RF. Eco-value class of the applied forest has been taken as Eco value class-III, based on the Eco value class of Pedipokhari RF and Naibuga RF falling within the lease area. The canopy density of the applied area varies from 0.3 to 0.7 and the average canopy density is taken as 0.5.</p> <p>Tree species present in the area are Sal (<i>Shorea robusta</i>), Piasal (<i>Pterocarpus marsupium</i>), Asan (<i>Terminalia alta</i>), Kusum (<i>Schleichera oleosa</i>), Dhaura (<i>Anogeisus latifolia</i>), Kurum (<i>Adina cordifolia</i>), Bahada (<i>Terminalia belerica</i>), Jammu (<i>Syzygium cumini</i>), Semul (<i>Bombax ceiba</i>), Aonla (<i>Embllica officinalis</i>), Sunari (<i>Cassia fistula</i>), Mango (<i>Mangifera indica</i>), Kendu (<i>Diospyros melanoxylon</i>), etc.</p>
(a)	Total number of trees to be felled.
	-
	As per the sample enumeration in 99 plots and extrapolation to the total area the total number of trees to be felled is 2,87,382 . There are 1,57,761 number of sound and 86,571 number of unsound trees on the virgin forest land over 984.671 ha. and 22,481 number of sound 20,569 number of unsound trees in the broken up forest land over 258.599 ha.

	Effect of removal of trees on the general ecosystem in the area
	Felling of the trees from the forest area will induce soil erosion. Tree felling should be done in a phased manner.
(b)	<u>Important species</u>
	Tree species present in the area are Sal (<i>Shorea robusta</i>), Piasal (<i>Pterocarpus marsupium</i>), Asan (<i>Terminalia alta</i>), Kusum (<i>Schleichera oleosa</i>), Dhaura (<i>Anogeisus latifolia</i>), Kurum (<i>Adina cordifolia</i>), Bahada (<i>Terminalia belerica</i>), Jammu (<i>Syzygium cumini</i>), Semul (<i>Bombax ceiba</i>), Aonla (<i>Emblica officinalis</i>), Sunari (<i>Cassia fistula</i>), Kendu (<i>Diospyrus melanoxylon</i>), Mango (<i>Mangifera indica</i>) etc.
	Number of trees of girth below 60 cm.
	-
	Around 2,14,254 nos. of less than 60 cm trees (poles- below 30 cm- 27,604 numbers)
	Number of trees of girth above 60 cm.
	Around 73,129 numbers.
7.	Background note on the proposal
	<p>Odisha Mining Corporation Ltd., a public sector undertaking of Govt. of Odisha, which is engaged in the field of mining to supply exploited minerals like iron and Manganese, Chromite, Aluminum & other minerals to the mineral based industries of the State and trade on minerals. Among several mining leases, the OMC Ltd. has Dubna-Sakradihi iron and manganese mine in Keonjhar District.</p> <p>Dubna manganese mining lease was executed on 08.09.1971 for a period of 20 years over 1135.419 ha. and Sakradihi iron ore mining lease executed on 28.12.1959 for a period of 30 years over 564.55 ha in favour of M/s OMC Ltd. The State Govt. of Odisha Steel & Mines Department has amalgamated the two mining leases into one compact block over 1332.019 ha (Comprising Dubna ML for manganese ore over an area of 1135.419 ha. in village Dubna, Naibuga, Pedipokhari, etc. and Sakradih ML for iron ore over reduced area over 196.60 in village Naibuga, Pedipokhari, etc.) vide Steel & Mines Department letter No.3607/SM dated 18.02.2006 and the period of renewal of both the mining leases will be counted w.e.f 28.12.1989. The amalgamated ML area over 1332.019 ha comprises 773.336 ha. Reserved Forest (Pedipokhari RF-725.158 ha.+Naibuga RF-48.178 ha), 402.743 ha of DLC forest, 28.992 ha. of Revenue forest, 38.199 ha of Sabik forest, 30.161 ha of non-forest Government land and 58 588 ha of tenanted land as certified by Tahasildar Barbil vide</p>

from forest department and the balance of remaining land is covered by Tahasildar, Dubna vide letter No.5121 dated 26.11.2016 and Tahasildar, Jhumpura vide letter No.2451 dated 05.11.2016. The Director of Mines-cum-Special Secretary to Government, Steel & Mines Department intimated vide letter No.6563/DM dated 19.09.2018 that the extension validity of the mining lease up to 26.12.2029(70 years from year 1959) pertaining to Dubna-Sakradihi mining lease over 1332.019 ha is under active consideration of the State Government under provision of Section-8A(8) of MMDR Act, 1957 and Rule-3 of Mineral (Mining by Government Company) Rules, 2015).

The present mining lease area is located within the latitudes N21⁰ 51' 52.019" to N21⁰ 48' 37.356" and longitudes E85⁰ 22' 17.839" to E 85⁰ 24' 26.478". The instant proposal has been submitted by the OMC Ltd. over 1243.27 ha (773.336 ha. RF, 28.992 ha. Revenue forest, 402.743 ha. of DLC forest and 38.199 ha of non-forest land recorded as forest as on 25.10.1980) of forest land including safety zone area over 21.3207 ha of forest land.

8.

Compensatory afforestation

The requirement of non-forest land for the project is as follows

1.	Total forest land involved in the project	1243.270 ha
2.	Forest land covered under safety zone	10.6854 ha
3.	Broken up forest land involved in the mining lease area	258.599 ha
	Balance land required for CA	973.9856 ha.

As per Para 2.4 (iv) of the Hand Book of Guidelines and clarifications of Forest (Conservation) Act, 1980 and FC Rules 2003 issued by MoEF& CC dated 28.03.2019, & Provisions of compensatory afforestation applicable for renewal of a mining lease, including the area broken up prior to 25.10.1980, if the same was not applied earlier. Therefore, another Non- forest land of 258.599 need to be identified for CA. For the time being in order to save delay in processing of forest diversion proposal the user agency has submitted an undertaking to provide the CA land against pre-1980 broken up forest land if decided by FAC.

To meet the above requirement of land for Compensatory Afforestation, Govt. Non-forest land over an area of 979.376 ha has been identified by the UA and allotted by the Collector, Kalahandi vide order No. 341 dt. 04.04.2014 and 486 dt. 06.04.2017, in village Uparjhabi 360.050 ha, Pokhariguda 305.160 ha, Kumjore 224.850 ha and Silet 89.316 ha under Thuamul Rampur Tahasil, Kahalandi (S) Forest Division of Kalahandi District.

(a)

Whether land for compensatory afforestation is suitable from plantation and management point of view or not

	As per the report of DFO, the land is suitable for compensatory afforestation. As per DSS analysis the land at Silet mostly contain MDF and VDF, in Uparjhabi there are four patches and some patches contain MDF. Therefore, degraded forest land may be required for CA if 1,000 plants cannot be accommodated in the said selected areas for CA. However, these areas being non-forest land are acceptable for CA.
(b)	Whether land for compensatory afforestation is free from encroachment/other encumbrances
	As per the report of DFO, Kalahandi (S) and Tahasildar, Thuamul-Rampur the land is free from encroachment.
(c)	Whether land for compensatory afforestation is important from Religious/Archaeological point of view
	Not reported.
(d)	Land identified for raising compensatory afforestation is in how many patches, whether patches are compact or not
	Total 9 patches of land has been identified in 4 villages. The details are given as below 1. Uparjhabi- 4 No. of patches 2. Pokhariguda- 1 patch 3. Kumjore- 1 patch 4. Silet- 3 No. of patches All the patches are compact.
(e)	Map with details
	Enclosed in the proposal.
(f)	Total financial outlay

	Rs. 46,71,44,700/-.
9.	Whether proposal involves violation of Forest (Conservation) Act, 1980 or not. If yes, a detailed report on violation including action taken against the concerned officials
	<p><u>Violation</u></p> <p>The DFO, Keonjhar Forest Division has reported in the site inspection report that production of Iron Ore from 1994-95 to 2006-07 without approval under FC Act, 1980 as mentioned in the Sl. No. 12 of Annexure-IV A of the 1st report submitted by Hon& rsquo ble Saha Commission of enquiry on illegal mining in the State of Odisha.</p> <p><u>Action taken</u></p> <p>OR case No.161CH of 2014-15 has been booked for illegal (without FC) production of iron and manganese ore during the period 1994-95 to 2006-07. The PR No.28 of 2014-15 dated 12.02.2015 submitted in the court of JMFC, Barbil is under subjudice.</p>
10.	Whether proposal involves rehabilitation of displaced persons. If yes, whether rehabilitation plan has been prepared by the State Government or not
	At Sakradih some private land with establishments are existing. However, these lands will not be acquired as stated by representatives of UA. So there is no involvement of resettlement and rehabilitation.
11.	<u>Reclamation plan</u>
	Mining plan is enclosed in the proposal and is valid from 15.11.2017 to 31.03.2020. No reclamation done for the earlier mining activities. It is to mention here that the mining was manual and mine pits are very shallow and are presently covered with weeds and grasses.
	Details and financial allocation -
12.	Details on catchment and command area under the project
	Not applicable.

	Catchment area treatment plan to prevent siltation of reservoir
	Not applicable.
13.	Cost benefit ratio
	The cost benefit ratio is 1:17.
14.	Recommendations of the Principal Chief Conservator of Forests/State Government
	Recommended.
15.	Recommendations of Dy. Director General of Forest (Central) along with detailed reasons
	The mining proposal for diversion of 1243.270 ha of forest land involved in the mining lease area over 1322.019 ha. of Dubna-Sakradihi iron and manganese ore mines of M/s Odisha Mining Corporation Limited in Keonjhar District, Odisha recommended for consideration by the FAC and the Ministry.
16.	Dy. Inspector General of Forests shall give detailed comments on whether there are any alternative routes/alignment for locating the project on the non-forest land
	This is a mining project and it is site specific.
17.	Utility of the project
	Numbers of Scheduled Caste/Scheduled Tribes to be benefited by the project
	The area is tribal dominated and underdeveloped and will give socio-economic benefits to the

	people of the area. The project will generate direct employment for 200 persons (the user agency has already placed regular employed executives and non-executives for this project, who are sitting idle due to the non-functioning of the mine and taking about Rs.5.00 crores of salary per month) and indirect employment for 1000 persons.
18.	
(a)	Whether land being diverted has any socio-cultural/ religious value
	Not reported.
(b)	Whether any sacred grove or very old growth trees/forests exist in the areas proposed for diversion
	Not reported.
(c)	Whether the land under diversion forms part of any unique ecosystem
	No, the land under diversion does not form part of any unique ecosystem.
19.	Situation with respect to any Protected Area There is no protected area within 10 km of the proposed site. However, the Karo-Karampada elephant corridor is about 13.59 km from the proposed site.
20.	Any other information relating to the project
	The user agency (M/s Odisha Mining Corporation) has 11 iron and manganese leases in Barbil region. They are viz., Banspani, Khandbandh, Tiringpahar, Dubuna-Sakradihi, Unchabali (Mahaparbat), BPJ, Serenda-Bhadrasahi, Dalki, Roida-78, Paralipada, Kaloraida. Out of these 5 are iron ore leases and 5 are iron+manganese leases and 1 i.e. Roida-78 is manganese lease. None of the above mines are working due to lack of various clearances. Khandabandh and Unchabali mines have got Stage-I forest clearance and Tiringpahar mining lease has got Stage-II forest clearance.

The present proposed lease on its eastern side has a very small mine owned one Mr. T. P. Mohanty, otherwise there is no mineral deposits and mainly contain the villages. On the south-east side at a distance of 10 km there exists the Nayagarh RF, adjacent to this RF towards the lease is the Nadijhari DPF and elephants are seen to be residents of Nayagarh and Nadijhari DPF. Towards the south between the lease and other leases on the west there is a forest of width of 1.5 to 2 km up to Andiramara nallah which connects the forest in west to south east. This area has also not been explored and needs to be reserved for movement of elephants to Nayagarh RF from Sundargarh district in the west. Diversion of the above lease will therefore not affect the movement of elephants from Sundargarh district to Nayagarh RF.

There exists a public road from Palashtunga to Bamebari, in between them there is place called Kalimati and the user agency will use about 6 km of road from the mine to catch this existing road at Kalimati or to go to the Nayagarh railway siding and as proposed the user agency will have their own internal road to evacuate the mineral without much disturbance to the village roads and people living nearby.

(3) After examination of the proposal and SIR done by Regional Office, the following is observed

i. The CA scheme for 979.38 ha against the proposal of diversion of 1243.270 ha has been given. Further, the State Government mentioned that the broken up forest land involved in the mining lease area 258.599 ha and therefore another Non- forest land of 258.599 need to be identified for CA and for time being in order to save delay in processing of forest diversion proposal the user agency has submitted an undertaking to provide the CA land against pre-1980 broken up forest land if decided by FAC. Whereas para 2.4 (iv) of Handbook of Guidelines of FCA, 1980 & *Provisions of CA will be applicable for renewal of a mining lease, including the area broken up prior to 25.10.1980, if the same was not applied earlier & rdquo*. Therefore, the CA scheme shall revise and forwarded it with their suitability and approval of competent authority. The shape file/KML file for revised CA sites may also be furnished for further consideration of the proposal.

ii. Cost benefit Analysis does not seem available with the proposal.

iii. State Government reported that the canopy density of the applied forest area varies from 0.3 to 0.7 and the average canopy density is taken as 0.5. Therefore, the actual area falls of density 0.7 may be given.

iv. It is mentioned in web-portal of this Ministry- www.parivesh.nic.in that total numbers of trees to be felled is 92220, whereas in physical canopy of the proposal, total number of trees to be felled is 2,87,382, which needs clarification.

v. The State Government reported that production of Iron Ore from 1994-95 to 2006-07 is done without approval under FC Act, 1980. Therefore, the total production of Iron ore done under violation and present status of cases may be given.

In view of above, the State Government may be requested to submit documents/information/ clarification as indicated above for further consideration of the proposal in this Ministry.

4. Ministry has asked to the State Government of Odisha to submit the requisite information/ documents/ clarification vide its letter of even no. dated 19.11.2019. The State Government of Odisha vide their letter no. 850/9F (MG)- 118/2018 dated 09.01.2020 has submitted their reply. The point wise reply are as follows:

S. no.	Observation made by MoEF&CC	Reply from the State Government
i.	<p>The CA scheme for 979.38 ha against the proposal of diversion of 1243.270 ha has been given. Further, the State Government mentioned that the broken up forest land involved in the mining lease area 258.599 ha and therefore another Non-forest land of 258.599 need to be identified for CA and for time being in order to save delay in processing of forest diversion proposal the user agency has submitted an undertaking to provide the CA land against pre-1980 broken up forest and if decided by FAC. Whereas para 2.4 (iv) of Handbook of Guidelines of FCA, 1980 “Provisions of CA will be applicable for renewal of a mining lease, including the area broken up prior to 25.10.1980, if the same was not applied earlier”. Therefore, the CA scheme shall revise and forward it with their suitability and approval of competent authority. The shape file/KML file for revised CA sites may also be furnished for further consideration of the proposal.</p>	<p>In this regard, the Addl. PCCF, Rourkela Circle has reported that the DFO, Kahandi (S) Division has submitted the revised site-specific CA scheme over 1243.27 ha of non-forest Govt. land which includes broken up forest land involved in the mining lease area of 258.599 ha. The identified CA land is located in village Uparjhabi (266.942 ha), Pokhariguda (230 ha), Kumjore (175.547 ha), Silet (89.316), Bhataguda (34.769 ha) Khamdala (106.8004), Madanguda, (86.687 ha), Nakarundi (144.4166 ha) and Semikhal (108.792 ha) under Thuamul Rampur Tahasil under Kalahandi District. The said CA scheme has been Technically approved by the PCCF (FC & No. FC Act) Rs. 58,69,86,500/- (Rupees fifty-eight crores sixty-nine lakhs eighty-six thousand and five hundred only) at current wage rate of Rs. 298/- per man days.</p> <p>The copy of the CA scheme along with the financial outlay is enclosed as Pg. no. ---. The Shape file/KML file has submitted in CD. However, the SG of Odisha has not provided the site suitability certificate in respect of the land identified for CA</p>
ii.	<p>Cost benefit Analysis is not available with the proposal.</p>	<p>In this regard, the Addl. PCCF, Rourkela Circle has furnished the Cost Benefit Analysis which is enclosed as Pg. no.</p>
iii.	<p>State Government reported that the canopy density of the applied forest area varies from 0.3 to 0.7 and the average canopy density is taken as 0.5. Therefore, the actual area falling within density 0.7 may be given.</p>	<p>In this regard, the Addl. PCCF, Rourkela Circle has reported that as per DSS report, there are 1001 ha of MDF, 135 ha of Non-forest and 196 ha of Open forest involved in the mining lease & canopy density is 0.5. Out of the total forest area, around 20.18 ha of forest land is having 0.7 canopy density as shown in the map which is enclosed at Pg. no. ---.</p>
iv.	<p>It is mentioned in web-portal of this Ministry-www.parivesh.nic.in that total numbers of trees to be felled is 92220, whereas in physical copy of the proposal, total number of trees to be felled is 2,87,382 this needs clarification.</p>	<p>In this regard, the Addl. PCCF, Rourkela Circle has reported that as per procedure in place, the sample enumeration of trees present in the virgin forest is carried out by way of sample plot enumeration and the tree enumeration in broken forest land is carried out by way of total enumeration. In the instant case, sample enumeration over 984.671 ha. of virgin forest was carried out over 99 nos. of plots (2 ha each) and it comes to be 49,131 nos. of trees i.e. on an average 248 no. of trees per ha. On extrapolating this figure i.e. 248 no. of trees/ ha over entire virgin forest, it comes to 2,44,332 no. of trees (49,131 no./198 ha. X 984.671 ha.). Whereas total enumeration of trees standing in broken up land over 258.599 ha comes to 43.050 nos. Therefore, on adding both the figures,</p>

		<p>there are 2,87,382 nos. of trees standing over 1243.270 ha. (2,44,332 nos. in Virgin forest land and 43,050 nos. in broken up forest land). But due to typographical error, the no. of trees enumerated is wrongly written as 92,187 nos. which may be corrected as above.</p> <p>However, the no of the trees have not been correctly uploaded on Parivesh Portal under column 4 (ii) of Part-II.</p>																												
<p>v.</p>	<p>The State Government reported that production of Iron Ore from 1994-95 to 2006-07 is done without approval under FC Act, 1980. Therefore, the total production of Iron ore done, if without such approval and present status of cases may be given.</p>	<p>In this regard, the Addl. PCCF, Rourkela Circle has reported that the production of iron ore from 1994-95 to 2006-07 without approval under FC Act, 1980 as furnished by the DFO, Kenjhar Division is stated below. Further, as reported by the DFO, Kenjhar Division, the case is sub-judice in the Court of JMFC, Barbil.</p> <table border="1" data-bbox="826 763 1417 1256"> <thead> <tr> <th>Year</th> <th>In Tonne</th> </tr> </thead> <tbody> <tr> <td>1994-95</td> <td>4985</td> </tr> <tr> <td>1995-96</td> <td>73773</td> </tr> <tr> <td>1996-97</td> <td>113562</td> </tr> <tr> <td>1997-98</td> <td>150413</td> </tr> <tr> <td>1998-99</td> <td>131443</td> </tr> <tr> <td>1999-00</td> <td>147900</td> </tr> <tr> <td>2000-01</td> <td>158083</td> </tr> <tr> <td>2001-02</td> <td>66558</td> </tr> <tr> <td>2002-03</td> <td>128570</td> </tr> <tr> <td>2003-04</td> <td>226025</td> </tr> <tr> <td>2004-05</td> <td>186078</td> </tr> <tr> <td>2005-06</td> <td>278826</td> </tr> <tr> <td>2006-07</td> <td>1602</td> </tr> </tbody> </table>	Year	In Tonne	1994-95	4985	1995-96	73773	1996-97	113562	1997-98	150413	1998-99	131443	1999-00	147900	2000-01	158083	2001-02	66558	2002-03	128570	2003-04	226025	2004-05	186078	2005-06	278826	2006-07	1602
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In view of the above, if agreed, facts related to the proposal may be placed before FAC in its next meeting scheduled to be held on 23.01.2020 for examination and appropriate recommendation.
