

PART-II

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

(Proposal No. FP/OR/MIN/149499/2021, State Sl. No. – OR-094/2021 dated 23.11.2021)

7. Location of the Project/Scheme.

(i) State/Union Territory.		Odisha.					
(ii) District.		Keonjhar.					
(iii) Forest Division.		Keonjhar Forest Division.					
(iv) Area of Forest land proposed for diversion (in ha.)	The area of the forest land proposed to be utilized for mining ancillary activities is as follows:- Item wise Proposed Break up of Land Use Pattern in Forest and Non-Forest land of Total Granted LoI for Mining Lease Hold Area						
	Sl. No.	Particulars	Category wise Forest Land in ha		Total Forest in ha	Non-Forest Land in ha	Grant Total in ha
			Revenue Forest	Sabik Forest			
	1	Mining along with Mines Road	34.413	29.955	64.368	12.580	76.948
	2	Waste Dump with environmental Safeguard like Retaining wall, Garland Drain & Settling Pond	8.05	3.562	11.612	7.06	18.672
	3	Screening & Crushing Plant with premises	1.066	0	1.066	1.204	2.27
	4	Sorting & Sizing of Mn ore	6.189	2.585	8.774	10.968	19.742
	5	Mineral Stacking Yard	1.021	0.663	1.684	0.076	1.76
	6	Office, Site service & Admin. Building, Camp, Work shop	0	0.612	0.612	1.339	1.951
	7	Parking area	0.649	0.321	0.97	0.971	1.941
	8	Internal Road for Transporting	0.187	0.362	0.549	1.366	1.915
	9	Road for In & Out in SZ along the ML boundary	0.004	0.035	0.039	0.007	0.046
	10	Road for In & Out in SZ along the PWD road	0.044	0.118	0.162	0	0.162
	11	Road for In & Out in SZ along the River	0.001	0.253	0.254	0.025	0.279
	X	Sub Total	51.624	38.466	90.090	35.596	125.686
	12	Safety Zone along the Lease boundary	1.843	2.015	3.858	1.69	5.548
	13	Safety Zone along the PWD Road	0	0.403	0.403	0.163	0.566
	Y	Sub Total	1.843	2.418	4.261	1.853	6.114
		Grant Total (X + Y)	53.467	40.884	94.351	37.449	131.800

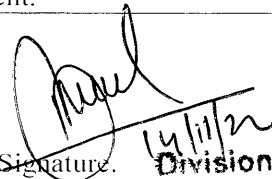
(v) Legal status of Forest.	Revenue Forest – 53.467 ha Non-Forest land recorded as forest as on 25.10.1980 – 40.884 ha
(vi) Density of vegetation.	The applied area for diversion is situated close to Karo Reserve Forest. Eco Value Class has been treated as “Eco Value Class - I”. There are 1698 nos. of sound, 998 Nos. of unsound trees and 4399 Nos. of poles below 30 cm girth enumerated in 23 nos of sample plots (each 1 ha) in forest land, located within the mining lease, proposed for mining operation. The species wise and diameter class wise abstract of enumerated trees in respect of the applied forest land in separate sheets is enclosed as Annexure – XX . Based on proximate location – Karo Reserved Forest and the canopy density has been considered at par with the prevailing vegetation depicted as “open mixed jungle mainly sal” on concerned Toposheet and kept at 0.3.
(vii) Species wise (Scientific names) and diameter class wise enumeration of trees in unbroken/broken area.	Species wise local or scientific names and girth wise trees required to be felled is enclosed as Annexure - XX .
(viii) Brief note on vulnerability of the forest area to erosion	This site falls under the physiographic Joda Barbil plateau extending from Chamakpur to the border of Singhbhum of Jharkhand in the north and the border of Bonai in the west. This region is very largely an extension southwards of Singhbhum rocks. This group of rocks comprising trap, tuffites, shale, quartzite, phyllite, banded haematite jasper and banded haematite quartzite form high hill ranges with narrow deep valleys in between. In this area massive deposits of iron and manganese are associated with B.H.J. and shales respectively. The undulating hilly slope is prone to soil erosion.
(ix) Approximate distance of the proposed site for diversion from boundary of forest.	Approximately 0.5 Km distance from the boundary of the lease.
(x) Whether forms part of National Park, Wild Life Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor etc. (If so, the details of the area and comments of the Chief Wild Life Warden to be annexed.	The proposed site does not form part of National Park, Wild life Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor, Wildlife Migration Corridor. However, the site falls in elephant habitat zone- 2 as per report of ORSAC, Bhubaneswar. However, movement of wild elephants in the adjoining forests can't be ruled out. However, the proposed site is about 113.00 Km away from the nearest Similipal Tiger Reserve and proposed Karo-Karampada Elephant Corridor situated is about 2.31 Km. from the nearest boundary of applied area.
(xi) Whether any rare/endangered/ unique species of Flora and Fauna found in the area if so, details there of	No rare or endangered species is available in the applied area for diversion, but elephant movement is often noticed in adjoining forest s. There is no archaeologically important monument situated in the area. But seasonal Elephant movement is seen at 3 KM distance the project site.
(xii) Whether any protected	No archeological/heritage site/ defence establishment or any other important Monument is

Archeological/heritage site/defence establishment or any other important Monument is located in the area. If so, details thereof with NOC from competent Authority, if required.	located in the area
8. Whether the requirement of forest land as proposed by the User Agency in column 2 of Part I is un-avoidable and barest minimum for the project. If no, recommended area item wise with details of alternatives examined.	The forest land, submitted for approval under FC Act, 1980, is in compliance with the guide line issued by MoEF & CC, Govt. of India. Thus, the area applied for is a statutory requirement under FC Act, 1980. Therefore the said area is un-avoidable and barest minimum for the project.
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.	This is a fresh lease granted through e-auction to M/s Thriveni Earthmovers Pvt. Ltd by the department of Steel & Mines, Govt. of Odisha vide No.IV (B)SM-100/2007-433/SM, dated 19.01.2019 as a Composite Licence. LoI holder was carried out exploration through putting bore holes and 1 nos of trial pit of size 17m x 10 m for which LoI holders was obtained Stage II forest clearance vide F. No. 8-62/2017-FC dt. 08.10.2018 of MoEF&CC, Govt. of India. However, 3.666 ha (Forest -3.312 ha and Non-Forest - 0.354 ha) of land was disturbed by old pits over 2.491 ha and 1.175 ha for road prior to grant of Composite Licence. Hence the LoI holder has not violated under FC Act, 1980.
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.	Details of Non-Forest Land - Non-forest land, equal in extent the forest land proposed for diversion over 90.09 ha excluding safety zone- 4.261 ha (along the ML boundary over 3.858 ha and along the PWD road 0.403 ha) under section 2(II) under FC Act, 1980, will be met from the identified and allotted non-forest Govt. land over 91.00 ha in village Uperbirkala under BJP range of Banspal Tahasil in favour of Laserda-Pacheri Manganese & Iron block of M/s Thriveni Earthmovers Pvt. Ltd. vide letter No. 2366 dtd. 07.12.2021 of Collector, Keonjhar for raising Compensatory Afforestation. The copy of the allotment letter is enclosed as Annexure – V . Copy of Non-encumbrance Certificate of Identified Non-Forest Land for Compensatory Afforestation is attached as Annexure - VI . Further an area of 104.00 ha of degraded forest land has been identified in Jyotipur RF under Champua Range of Keonjhar division to accommodate balance seedling of 52000 nos of seedling against non-forest land allotted over 91.00 ha.

	Distance from adjoining forest – Adjacent to Forest land Number of Patches – One
(ii) Map showing non-forest/degraded forest area identified for compensatory afforestation and adjoining forest boundaries.	Map showing the Non-forest land and degraded land identified for compensatory afforestation and adjoining forest boundaries is enclosed as Plate No-IX & ----- .
(iii) Detailed compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc.	Scheme of compensatory afforestation is enclosed as Annexure ----- .
(iv) Total financial outlay for compensatory afforestation scheme.	1) Financial outlay for CA in Non-Forest land over 91.00 ha – Rs. 56599500/- 2) Financial outlay for CA in Degraded Forest land over 104.00 ha – <u>Rs. 76665500/-</u> Total – Rs. 133265000/-
(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).	The Non-Forest Govt. land identified in village Uperbirkala under BJP Forest Range of Banspal Tahasil is suitable for Compensatory Afforestation under ANR with gap model @ 1000 per ha. over 39.00 ha can be planted 39000 of trees and for balance 52000 of trees degraded forest land in Jyotipur RF under Champua Range has been identified is suitable for Compensatory Afforestation under ANR with gap model @ 500 per ha. over 104.00 ha.
11. Site Inspection report of the DCF (to be enclosed) especially highlighting facts asked in column 7 (xi,xii) 8 and 9 above.	Site Inspection report of the DCF is enclosed vide Annexure- XX\
12. Division/District Profile. (i) Geographical area of the district.	830300.000 ha
(ii) Forest area of the district.	336615.6293 ha
(iii) Total Forest area diverted since 1980 with numbers.	14945.8219 ha (131 Nos.)
(iv) Total compensatory afforestation stipulated in the District/Division since 1980 on (a) Forest land including Penal compensatory afforestation.	C.A. 2107.3543 ha. P.C.A.. A.C.A- 7545.6046 ha

(b) Non-forest land.	C.A- 9465.8399 ha.
(v) Progress of Compensatory afforestation as on (date) (a) Forest land (b) Non-forest land.	C.A. 1152.58 ha. P.C.A. <u>2996.34 ha.</u> C.A 5983.9016 ha.
13. Specific recommendation of the D.C.F. for acceptance or other wise of the proposal with reasons.	<p>Laserda-Pacheri Manganese & Iron Block of M/s Thriveni Earthmovers Pvt. Ltd granted over 131.800 ha which involves 53.467 ha Village Forest, and 40.884 ha Non-Forest Land recorded as forest as on 25.10.1980 & 37.449 ha non-forest land.</p> <p>The instant proposal is submitted for diversion of 94.351 ha including safety zone along the mining lease boundary over 3.858 ha and along the PWD road over 0.403 ha under Sec. 2(ii) of F. C. Act 1980. Simultaneously, forest area over 94.351 ha including 4.261 ha forest land abide for safety zone (along the ML boundary over 3.858 ha & over 0.403 ha over PWD road also being applied under Section 2(iii) of FC Act, 1980.</p> <p>The forest land, submitted for approval under FC Act, 1980, is in compliance with the guide line issued by MoEF & CC, Govt. of India. Thus, the area applied for is a statutory requirement under FC Act, 1980.</p> <p>The said proposal, is therefore, submitted for necessary approval under Sec 2(iii) over 94.351 ha & simultaneously forest area over 94.351 ha including 4.261 ha forest land abide for safety zone under section 2(ii)of FC Act, 1980 taking the aforesaid fact into consideration.</p> <p>Observations of the undersigned during Site Inspection on 17.02.2022.</p> <ol style="list-style-type: none"> 1. There are 48 existing small illegal mining pits covering 2.5 ha land at least more than 10 year old. 2. There are 25 nos. houses exists within sabik forest land inside lease area, needs to be rehabilitated, for which R&R work is going on. 3. Plenty of old Bara trees exists inside lease area not to be felled as a keystone species. 4. Dry seasonal first order stream in Pacheri block(Dhanurjaypur-Kanarda village) draining into Karo river 5. Seasonal Elephant movement is seen at 3 km distance from the project site 6. Complete retaining wall and catch drain should be erected along Karo river side boundary of lease area including two dump site along river. 7. All snag trees are to be kept as such for conservation of wildlife. 8. Lease area and safety zone pillars are at place as per norm including demarcation of Revenue and sabik forest land. 9. Tree felling as per approved mining plan must be gradual and must satisfy the criteria of Bare minimum requirement.

Date : 14.11.2022
Place: Keonjhar

Signature: 
Name: Sri Dhanraj H. Iyer
Official Seal. 