



ବନଖଣ୍ଡ ଅଧିକାରୀଙ୍କ କାର୍ଯ୍ୟଳୟ ସୁନ୍ଦରଗଡ଼ : ସୁନ୍ଦରଗଡ଼ ବନଖଣ୍ଡ
OFFICE OF THE DIVISIONAL FOREST OFFICER; SUNDARGARH FOREST DIVISION.

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Memo No. 5371/4F (Misc) /2019 - Dt- 20-07-2019

To

The Regional Chief Conservator of Forests,
Rourkela Circle, Rourkela.

Sub: - Proposal for diversion of 15.701 ha. of revenue forest land in
Manoharpur Coal Mine Project of Odisha Coal and Power Limited.
-Diversion of Revenue Forest land Under Sundargarh Forest Division 15.701 Ha

Ref: - Proposal No: **FP/OR/MIN/40025/2019 Dt: 02.05.2019**
State Serial No:-**OR-029/2019, Dt: 16.05.2019**

In inviting a reference to the subject cited above, the User Agency has submitted the proposal for diversion of 15.701 ha of Revenue Forest land in Manoharpur Coal Mine Project of Odisha Coal and Power Limited , the details of forest diversion proposal is furnished below:-

1. Brief Description:

The proposal seeks clearance from the Ministry of Environment & Forests, Government of India for diversion of 15.701 ha. of revenue forest land in favour of Odisha Coal and Power Limited (OCPL) for Manoharpur Coal Mine Project under Sundargarh Forest Division in Sundargarh district of Odisha. Odisha Coal and Power Limited (OCPL) is a company incorporated under the Companies Act 2013, India. OCPL is a Government company as defined by Section 2(45) of the Companies Act, 2013. OCPL was formed as a joint venture Company of Odisha Power Generation Corporation Limited (OPGC) and Odisha Hydro Power Corporation Limited (OHPC), with a shareholding pattern of 51% and 49% respectively. Currently, OCPL has been allocated with two coal blocks, namely Manoharpur and Dip-side Manoharpur by Ministry of Coal, Government of India for captive use of OPGC power plant located at Banharpali, Jharsuguda, Odisha.

Background:

Manoharpur Coal Block was allocated by Ministry of Coal, Govt. of India to Odisha Power Generation Corporation Limited (OPGC) vide their letter No.13016/8/2007-

CA-I Dt. 25.07.2007 to meet the coal requirement of its 2 x 660MW expansion power plant located at Banharpali, Dist- Jharsuguda.

After the approval of Mine Plan, an application was filed by M/s OPGC for diversion of 200.465Ha. Forest land involved in this mining project. MoEF&CC, Govt. of India had granted Stage-II approval for diversion of forestland over 276.655 ha (200.465 ha of Forest land and 76.19 ha having a recorded status of non-forest treated as forest as per dictionary meaning) vide letter no.F.8-63/2011-Fc, Dated 20.08.2014.

Pertaining to the de-allocation of 204 coal blocks by Hon'ble Supreme Court of India in September, 2014; Manoharpur and Dip side Manoharpur Coal blocks were also de-allocated from OPGC.

In order to ensure a consistent coal supply to expansion project of OPGC- Odisha Coal and Power Limited was formed as a wholly owned subsidiary of OPGC under the aegis of Govt. of Odisha. OCPL became a joint venture company of OPGC and OHPC after taking over of 49% stake by OHPC Limited (Odisha Hydro Power Corporation Ltd.). Manoharpur and Dip side Manoharpur coal block were allotted to OCPL for captive use of OPGC's expansion power project vide Order No.103/ 25/ 2015/ NA Dt.31.08.2015. On a request received from OCPL following due procedure, the statutory clearances granted by MoEF&CC to OPGC have also been transferred in favour of OCPL vide their letter No.8-63/2011-FC Dt.30.11.2015.

Further, 86.527Ha of land falling outside the coal block, which includes 57.078Ha of forest land were acquired by OPGC for pit head infrastructures & Coal stockyard etc. under the head MGR. The entire non-forest land were transferred in favour of OCPL by IDCO and the forestland were transferred in favour of OCPL vide MoEF&CC regional office, Bhubaneswar letter no.5-ORA155/2012-BHU, dated 17/10/2017.

Justification:

After a thorough technical scrutiny of the already approved Mine Plan obtained from OPGC, it is found that the land area acquired for outside waste dump are insufficient to accommodate the overburden produced from mine. The mine plan is thus revised and approved by Ministry of Coal, Govt. of India vide their letter F. No. 34011-4-2017-CPAM, dated 17-04-2018; in which the total land requirement was changed (Relevant extract of Mine plan is attached). Further, the forest patches over 15.701ha falling within proposed out-pit waste dump area can't be kept aside rather need to be included in the overburden dump area. This necessitates the diversion of 15.701Ha over & above the 333.733Ha [276.655Ha (including 76.19Ha treated forest) + 57.078Ha] forestland already diverted & transferred in favour of OCPL so as to ensure a compact outside overburden dump. Therefore, this fresh proposal is prepared covering the additional forestland of 15.701Ha and applied under the provisions of Sec-2 of the Forest Conservation Act, 1980.

Table-I

MGR LAND TO BE TRANSFERRED FOR INFRASTRUCTURAL FACILITIES						
Sl.No	Name of village	Private land	Govt.land	Forest land	Total	Remarks
1	Ghumudasan	18.418	5.471	40.789	64.678	CHP, loading, unloading, Other Infrastructure
2	Sarbahal	2.214	3.346	16.289	21.849	
	Total in Ha.	20.632	8.817	57.078	86.527	

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Table-II**Land use pattern envisaged in Mine Plan (Rev-II)**

Sl. No.	Classification of Land	Area Inside the block (in Ha.)	Area outside the block (in Ha.)	Total (in Ha)
1	Forest Land	194.220	79.068	273.288
2	Agricultural Land	246.451	173.825	420.276
4	Homestead land	4.246	4.438	8.684
3	Barren Land	176.318	135.756	312.074
5	Grazing Land	20.040	15.820	35.860
6	Water Body	11.610	2.610	14.220
		652.885	411.517	1064.402

Further, the forest patches over 15.701ha (land schedule furnished) falling within proposed out-pit waste dump area can't be kept aside rather need to be included in the overburden dump area. This necessitates the diversion of 15.701Ha over & above the 333.733Ha (276.655Ha including 76.19Ha treated forest + 57.078Ha) forestland already diverted & transferred in favour of OCPL; so as to ensure a compact outside overburden dump and complete diversion of all the forest patches exist within the Manoharpur Coal Block. This necessitates the diversion of these forest patches existing in Villages Dulinga, Ghumudasan and Manoharpur in HemigirTahasil of Sundargarh District. On approval of this proposed forest land, the total Forest area will be (333.733 ha including 76.19Ha treated forest + 15.701 ha) = 349.434 ha.

Table-III**Forestland already diverted in favour of OCPL**

Sl. No.	Forestland already diverted in favour of this project	Clearance details	Remarks
01.	200.465Ha (196.045Ha inside + 4.42Ha outside)	F. No. 8-63/2011-FC, dt.20/8/2014	
02.	76.19Ha (Inside coal block)	-do-	Non-forest land added as treated forest as per dictionary meaning
02.	57.078Ha (entirely outside)	letter no.5-ORA155/2012-BHU, dated17/10/2017	

Table-IV**Forestland included in this proposal to be diverted in favour of OCPL**

Pattern of Utilization	Government Forest land in Ha					Govt. Non-forest land in Ha.	Private land in Ha	Total in Ha
	RF	PRF	Rev. Forest	DLC	Total			
Over burden Dump	0	0	15.701	0	15.701	Nil	Nil	15.701
Total	0	0	15.701	0	15.701	Nil	Nil	15.701

2- Maps.

The user Agency has furnished the maps as mentioned below:

Sl.No.	Particulars	Scale	Plate No.
1	Location Map of the project area on Topo sheet No. F44R13	1 : 50,000	Plate- 1
2	Index Map showing DGPS/ETS survey of the forest area by ORSAC for diversion of 15.701 Ha of Manoharpur Coal Mine Project.	1 : 6000	Plate-2
3	DGPS Survey map by ORSAC of all Villages Dulanga Sh – 1, Ghumudasan Sh – 1 & 2 and Manoharpur Sh – 1.	1 : 4000	Plate-3 to 6
4	Location Map of the Non Forest Govt Land for Compensatory afforestation on Topo sheet No. F44R9	1 : 50,000	Plate-7
5	GPS survey of the Compensatory Afforestation area of Village Ankalbira Sh – 1	16' = 1 Mile	Plate-8
6	Map showing the distance of the applied area from the National Park/ Sanctuary /Elephant reserve etc.	1 : 1300000	Plate-9

4-Flora & Fauna:

Common floral species in the study area are : Amba (*Mangifera indica*), Amla (*Phyllanthus emblica*), Arjun (*Terminalia arjuna*), Ashoka (*Saraca asoca*), Bahada (*Terminalia belerica*), Bandhan (*Ougenia ojeinensis*), Bija (*Pterocarpus marsupium*), Bheru (*Chloroxylon swietiana*), Champa (*Micheliachampaca*), Char (*Buchanania lanzan*), Dhaman (*Grewia*), Dhaura (*Anogeissus latifolia*), Dhoben (*Dalbergia paniculata*), Harida (*Terminalia chebula*), Jamu (*Syzygium cumini*), Kanchan (*Bauhinia spp.*), Karanj (*Pongamia glabra*), Kendu (*Diospyros melanoxylon*), Khair (*Acacia catechu*), Kurum (*Adina cordifolia*), Kusum (*Schleichera olesia*), Mahalimba (*Ailanthus excelsa*), Mahula (*Madhuca indica*), Tentra (*Albizia procera*), Muktamanni /Ritha (*Sapindus laurifolia*), Mundi (*Mitragyna parvifolia*), Rai (*Dillenia pentagyna*), Rajmohi (*Lanea coromandelica*), Sagan (*Tectonagrandis*), Sal (*Shorea robusta*), Salai (*Boswellia serrata*), Semal (*Bombax ceiba*), Sidha (*Lagerstromia parviflora*), Siris (*Albizzia lebeck*), Sisso/ Bali (*Dalbergia sissoo*), Sissooi/Pahari (*Dalbergia atifolia*), Sunari (*Cassia fistula*), Tentuli (*Tamarindus indica*) etc. are noticed in the area and no rare or endangered flora or fauna is noticed in this area as per Site Inspection Report of the undersigned at Annexure-B.

Terrestrial floral survey shows that, 208 species plants were recorded from the entire study area. Around 67 (i.e. 32% of total recorded flora) species were recorded from the proposed project site. The species recorded in the project site included, 30 species of trees, 8 species of shrubs, 15 species of herbs, 5 species of climbers and 5 species of grass. The species recorded in the study area included 98 species of trees, 27 species of shrubs, 51 species of herbs, 18 species of climbers, 10 species of grass and 4 species of epiphytes and parasites. The local distribution of the plant species with respect to their occurrence (abundant, common and sporadic) have been given in the following Table.

LOCAL DISTRIBUTION OF PLANT SPECIES

Sl. No.	Types of Plant	Local Distribution		
		Abundant	Common	Sporadic
1	Trees	25	45	28
2	Shrubs	12	9	6
3	Herbs	30	19	2
4	Climbers	9	7	2
5	Grasses	3	5	2
6	Epiphytes & Parasites	3	1	0

Fauna

The lease area does not form part of any National park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve or Ramsar site.

Local Name	English Name	Zoological Name	Schedule
MAMMALS			
Squirrel	Indian Palm Squirrel	Funambulus pennant	II
Cat	Jungle Cat	Felisc haus	II
Musa	Rat	Rattusrattus	V
Thekua	Rabbit	Lepus nigricolis	IV
BIRDS			
Baya	Weaver bird	Ploccus phillipinus	IV
Koili	Cuckoo	Eudynamis & colopaceus	IV
Kau	Crow	Corvus splendens	V
Sua	Parrot	Psittacula krameri	IV
Para	Pigeon	Columba livia	IV
GharaChatia	Sparrow	Passer domesticus	IV
REPTILES			
Dhamana	Rat Snake	Ptyas mucous	II

5- Wildlife Management :

Although the area does not form a part of National Park / Wildlife Sanctuary / Elephant Corridor, a site specific wildlife conservation plan has already been formulated and approved from Chief Wildlife Warden/PCCF(Wildlife), Bhubaneswar vide his office letter no.5838/1WL(C)SSP-213/2011, dt.29/08/2011. The User Agency has already deposited the approved amount of INR 220Lac. For activities to be implemented by DFO, Sundargarh Division. Further the user agency has already deposited towards regional wildlife management plan fund for the entire project area. However, now in this proposal the user agency has submitted an undertaking to deposit the requisite amount in the Regional Wildlife Management Plan Fund covering the forest area being diverted- enclosed as Annexure-E.

6-Tree Enumeration :

Since the area proposed for diversion exceeds 15.701 ha in accordance with provision in para 2.2 (ii) of the guidelines under Forest (Conservation) Act, 1980, in the applied area of 15.701 ha. In total, 3985 nos. of trees above 30 cum girth have been enumerated in the

plots. By extrapolation 3985 nos. of trees are computed over 15.701 ha of forest land applied for diversion.

Hence, 3985 nos. of trees above 30 cum girth may be required to be felled during mining operation over the applied forest land. The density has been reported to be 0.4 as per reported by the undersigned in Part-II of the application.

Therefore, 3985 nos. of trees are required to be felled as per sample enumeration report of Hemgir Tahasil at page Annexure- C (Page No. 1 to 77).

7-Compensatory Afforestation:

The proposal involves diversion of 15.701 ha revenue forest land in favour of Manoharpur Coal Mine Project of Odisha Coal and Power Limited a Odisha Govt. Agency. Against this diversion, Compensatory Afforestation over 15.702 Ha of Non Forest Govt. Land has been selected by the user agency at Village Ankalbira, Hemgir Tehasil.

The area identified in village Ankalbira has been demarcated and the map of the area has been prepared and submitted. The Compensatory Afforestation sites are shown on Topo sheet which is enclosed as Plate No. 8.

The Compensatory Afforestation area has been verified by the Forest Deptt. Officials and found suitable for compensatory afforestation (Page 35/DP). The scheme has provision of ANR Plantation of 1000 plants per ha. The scheme has also provision for special Soil and Moisture Conservation Measures, and Barbed wire fencing over 2.000Kms. The species to be planted are Terminalia alata (Asan), Pongamia piñata (Karanja), Simarubaglauca (Simaruba) on border of the plantation area., Azadiracta indica (Neem), Pterocarpus arsupiun(Bija), Emblica officinalis (Amla), Terminalia belerica(Bahada), Terminlia chebula(Harida), Dalbergia latifolia(Pahadisissoo), Cassia siamea (Chakunda), Gmelina arborea (Gambhar) and Madhuca latifolia (Mohula) etc. The total financial outlay of the scheme is ₹ 54, 16,244.00 The User Agency has furnished an undertaking to bear the cost of the scheme and the escalation cost thereof (As annexue-E).

8-Cost benefit analysis:

The total benefit of this proposal comes to ₹ 3979.62 lakhs. The loss on revenue forests including environmental loss, N.P.V. cost and other mandatory payments comes to ₹ 271.942 lakhs. Hence, the cost benefit ratio comes to 1:15 as shown vide Page 53-55/DP).

9-Environmental Clearance:

The User Agency has obtained Environmental Clearance vide letter No. J-11015/139/2008-IA.II (M) dated 03.12.2015 of GoI, MoEF for 8.0 million TPA productions, copy of which is enclosed at Annexure-F.

10-Phased Reclamation Plan:

The User Agency has furnished the approved mine closure plan in which phase-wise Reclamation Plan with afforestation scheme has been proposed. A copy of mine plan and mine closure plan has been submitted as Annexure-G.

11-Mining Plan:

The Mining Plan in respect of Manoharpur Coal Mine Project (8Mty) of Odisha Coal and Power Limited prepared by CMPDI has been approved vide Letter No. 34011-4-2017-CPAM dated 17.04.2018 of Govt. of India, Ministry of Coal. An approved copy of Mining Plan is enclosed with the DP as Annexure-G.

12.-Certificate under Forest Right Act, 2006:

This matter is being taken up by District Administration of Sundargarh District. Collector Sundargarh has already instructed to BDO, Hemgir, Vide his office letter no. 1504, dt. 21/06/2018 to carry out Palli Sabha in the involved villages. However, the user agency has submitted an undertaking to furnish the required certificate after receipt of the same.

13-Violation:

No violation under the FC,Act is reported to have committed by the User Agency as per Site Inspection Report of the DFO, Sundargarh .

14-Position of displacement of people and adequacy of rehabilitation, if any :

This project involves no displacement for diversion of 15.701 Ha Revenue forest land in village Manoharpur, Dulinga & Ghumudasan. It is worth mentioning here that village Manoharpur has already been displaced and Ghumudasan village is being displaced by the user agency for the same project. Further village Dulinga is being displaced by NTPC for its Dulanga Coal Mine Project.

15-Position of rare and endangered species available or importance of area from archaeological point of view:

No rare and endangered species are reported from the applied area. The area is not important from archaeological point of view.

16-Others:

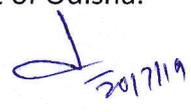
- The basic information of Sundargarh Division has been furnished as Annexure - H.
- The User Agency has furnished undertaking to pay the NPV as Annexure-E.

- The User Agency has submitted the DGPS survey map along with shape file of the boundary of the forest area involved of Manoharpur Coal Mine Project, which has been duly verified by ORSAC and duly authenticated by the DFO, Sundargarh. As per DGPS survey the revenue forest area comes to 15.701 ha. A copy of the DGPS survey map is enclosed herewith as Plate- 6.

17-Recommendation:

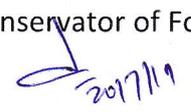
In view of the above position, the proposal for diversion of 15.701 ha of Revenue Forest land in Manoharpur Coal Mine Project is forwarded herewith in ~~pentuplicate~~ along with its supporting documents for consideration on its own merit and onward transmission to Govt. of India for diversion in favour of Manoharpur Coal Mine Project of M/s Odisha Coal and Power Limited under Sundargarh Forest Division in Sundargarh district of Odisha.

Encl:-As above.


20/7/19
Divisional Forest Officer,
Sundargarh Forest Division.

Memo No. 5372 /4F(Misc) dt. 20/07/19

Copy forwarded to the Addl.Principal Chief Conservator of Forests, Forest Diversion & Nodal Officer, FC-Act. , Office of the Pr.Chief Conservator of Forests Odisha, Bhubaneswar for favour of information.


20/7/19
Divisional Forest Officer,
Sundargarh Forest Division.

Memo No. 5373 /4F(Misc) dt. 20/07/19

Copy forwarded to the AGM (Mines), Odisha Coal and Power for information and necessary action .


20/7/19
Divisional Forest Officer,
Sundargarh Forest Division.