



Government of India/ भारत सरकार
Ministry of Environment, Forest & Climate Change/ पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Eastern Regional Office/ पूर्वी क्षेत्रीय कार्यालय
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No.8-308-FCE

Date: 09.01.2017

SPEED POST

To

Shri Sandeep Sharma,
Assistant Inspector General of Forests (FC),
Ministry of Environment, Forest & Climate Change,
Indira Paryavaran Bhawan, Agni Block,
Jor Bagh Road, Alliganj, New Delhi – 110 003.


Sub: Site inspection report in respect of application of Sri Satyajit Pradhan Legal heir of Late Dr. S. Pradhan and authorized applicant on behalf of all other legal heirs of late Dr. S. Pradhan) of K-I, Kalpana Area, BJB Nagar, Bhubaneswar-751014 seeking approval of MoEF&CC under Section 2 (iii) of Forest Conservation Act, 1980 over entire forest land of 146.545 ha. within total applied mining lease area of 152.927 ha. in Kalaparbhat Iron and Manganese ore mines in Keonjhar district, Odisha– reg.

Sir,

With reference to the subject cited as above, I am directed to inform you that the site inspection of the above mentioned project was carried out by the undersigned on 05.01.2017 and the site inspection report along with enclosures is enclosed herewith for kind information and necessary action.

Encl: As above

Yours faithfully,


9.1.2017

(R. K. Samal, IFS)
Conservator of Forests (C)

Site inspection report in respect of application of Sri Satyajit Pradhan Legal heir of Late Dr. S. Pradhan and authorized applicant on behalf of all other legal heirs of late Dr. S. Pradhan) of K-I, Kalpana Area, BJB Nagar, Bhubaneswar-751014 seeking approval of MoEF&CC under Section 2 (iii) of Forest Conservation Act, 1980 over entire forest land of 146.545 ha. within total applied mining lease area of 152.927 ha. in Kalaparnat Iron and Manganese ore mines in Keonjhar district, Odisha.

The site inspection of the above diversion proposal was conducted by me on 05.01.2017 in presence of Sri S. Sahu, ACF, Keonjhar, Range Officer Barbil range Sri P.N.Rout, Sri Parsuram Rout, Forester Bileipada. No representatives of User Agency were present due to their pre-occupation.

1. Legal status of the forest land proposed for diversion

Forest Division	Forest land in Ha.	Legal Status
Keonjhar	133.579	Reserve Forest
	12.193	Revenue forest
	0.773	Non forest land recorded as forest as on 25.10.1980
Total	146.545	

2. Item-wise break-up details of the forest land proposed for diversion:

Pattern of utilization	Virgin forest land in Ha.
The forest land involved in the applied mining lease is meant for approval under Section-2(iii) of FC Act, 1980 for the purpose of execution of mining lease	146.545

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

This application made under Sec 2(iii) of FC act for signing of lease and details are not given.

4. Total cost of the project at present rates:

Not given as this is the application for signing of the lease only.

5. Wildlife:

Whether forest area proposed for diversion is important from wildlife point of view or not:

The applied forest land, involving Thakurani RF and adjoining forest land, is the dwelling habitat for Leopard, Bear, Barking Deer, Hyena, Porcupine, etc. Wild elephant often visit Thakurani RF. This site falls under elephant habitat Zone-2 as mentioned by the ORSAC, Bhubaneswar.

6. Vegetation:

The application involves Thakurani RF and Forest land (Revenue Forest and non-forest land recorded as forest as on 25.10.1980) situated contiguous with Thakurani RF. The prevailing forest growth is categorized under the group 3C/C2e(iii) Moist Peninsular Valley Sal and 3C/2S1 Northern secondary Moist Mixed Deciduous Forest. The canopy density varies from 0.2 to 0.6. The DSS report is annexed.

(a) Total number of trees to be felled.

The instant diversion proposal, including 52.002 ha forest land diverted under Sec.2(ii) of Forest Conservation Act, 1980 and 94.543 ha un-diverted virgin forest land, is submitted for approval under Section 2(iii) of FC Act, 1980. Tree enumeration will be taken up on submission of proposal for physical diversion over 94.543 ha under Sec. 2(ii) of FC Act, 1980. No trees has been felled from the already diverted land.

Effect of removal of trees on the general ecosystem in the area:

It will affect the ecosystem as virgin forests will be lost. Stipulations of EC and FC to be scrupulously followed.

(b) Important species:

The vegetation consists of Sal and its associates. The associates of Sal include *Terminalia alata*, *Lagerstroemia perviflora*, *Anogeissu slatifolia*, *Terminalia abelerica*, *Syzygium cumini*, *Mangifera indica*, *schleichera oleosa*, *Adina cordifolia*, *Pterocarpus marsupium*, *Bombox ceiba*, *Bridelia retusa*, *Madhuca indica*. The middle story is *Emblica officianalis*, *Cassia fistula*, etc. The shrubs and undergrowth are characterized by *Indigofera pulchella*, *Ardisias alenacea*, *Flemingia chhapar*, *Helicteres ixora* and *Clerodendron viscosum*, etc. The prevailing climbers include *Bauhinia vahlii*, *Combretum decandrum* and *Beutia parviflora*. The grasses over the forest floor include *Chrysopogon aciculatus*. *Imperata cylindrical*, *Dicanthium carricosum*, *Cynodon dactylon*, etc.

Number of trees of girth below 60 cm.

Not enumerated till date.

Number of trees of girth above 60 cm.

Not Enumerated.

7. Background note on the proposal:

This application seeks permission under Sec 2(iii) of F.C. Act for entire forest land of 146.545 ha of forest land within the total ML area of 152.927 Ha in Kala Parbat Iron and Manganese ore mine in Keonjhar District of Odisha

considering the fact that that the ML is covered under Section 10 A(2)(c) of MMDR Amendment Act and is now pending for consideration of state Government for execution of mining lease by 11.01.2017. Getting FC clearance is one of the clauses in the conditions of offer of lease. Out of the total forest land of 146.54 Ha, 52.002 ha of forest land has been diverted for non forestry purpose vide F. No 8-177/1997-FC Dt 15.01.2007 of MoEF. The non-forest land of equivalent area has been mutated in favour of forest Dept. CA has been raised. The mining work has not started. As informed the non-forest land is under the process of declaration as a PF.

8. Compensatory afforestation:

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

For compensating the land already diverted non-forest land over 52.20 ha identified in Chamapadihi of Barbil Tahasil (Jhumpura Tehsil now), has been allotted in lieu of forest land diverted under Section 2 (ii) of FC Act, 1980 over 52.002 ha and the allotted land is not included in DLC report. Compensatory afforestation has been raised over the allotted land in 2010-11.

(b) Whether land for compensatory afforestation is free from encroachment/other encumbrances:

yes

(c) Whether land for compensatory afforestation is important from Religious/Archaeological point of view:

No

(d) Land identified for raising compensatory afforestation is in how many patches, whether patches are compact or not:

one

(e) Map with details:

Not provided with this proposal

(f) Total financial outlay:

The UA has placed an amount of Rs 8,00,605/= for CA on 52.002 Ha of non-forest land.

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:

It has been reported by DFO that virgin forest land over 8.437 ha located within the mining lease has been reportedly broken without authority (7 number of illegal mining pits). However, from the field inspection it has been observed that the pits are very old and must have been done manually long back. The present UA may not be responsible for this. Further the land has not been handed over to the UA till date.

- 10. Whether proposal involves rehabilitation of displaced persons. If yes, whether rehabilitation plan has been prepared by the State Government or not :**

Not applicable.

- 11. Reclamation plan:**

Not yet submitted as this is just for signing of lease.

Details and financial allocation:

Not yet submitted.

- 12. Details on catchment and command area under the project:**

No catchment and command area is involved.

Catchment area treatment plan to prevent siltation of reservoir:

Not applicable.

- 13. Cost benefit ratio:**

Not yet provided by the user agency.

- 14. Recommendations of the Principal Chief Conservator of Forests/State Government:**

The State Govt. has recommended to MoEF&CC, Govt. of India vide their letter No. 10F(Cons)528/2011-19485/F&E dated 25.10.2016 to consider the application of the ML applicant for approval under Section 2 (iii) of the FC Act, 1980 over the entire forest land of 146.545 ha. within total applied Mining lease area of 152.927 ha in Kalaparbat Iron and Manganese ore mines in the Keonjhar district, Odisha.

- 15. Recommendations of Addl. Principal Chief Conservator of Forests (Central) along with detailed reasons:**

Annexed separately.

16. **Conservator 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:

There are tribal hamlets nearby and people will be benefitted by the project.

- 18.

- (a) **Whether land being diverted has any socio-cultural/ religious value:**

No.

- (b) **Whether any sacred grove or very old growth trees/forests exist in the areas proposed for diversion:**

No.

- (c) **Whether the land under diversion forms part of any unique eco-system:**

No.

19. **Situation with respect to any Protected Area:**

The applied area does not come under any Protected area.

20. **Any other information relating to the project:**

The area contains virgin Sal as well as miscellaneous forests with varying canopy density from open to MDF and VDF. Most of the forests have about a canopy density of 0.5-0.6. There is very presence of good regeneration and trees of different age classes. Even if the lease is granted the UA has to protect & maintain the balance area which has not been diverted u/s2(ii) so that the damages to ecosystem are minimized. The areas with open & non-forests are to be worked first.



(R. K. Samal, IFS)
Conservator of Forests (C)

RECOMMENDATION OF THE ADDL. PRINCIPAL CHIEF CONSERVATOR OF FORESTS (CENTRAL)

I endorse the site inspection report of CF (Central) for the proposal for application of Sri Satyajit Pradhan Legal heir of Late Dr. S. Pradhan and authorized applicant on behalf of all other legal heirs of late Dr. S. Pradhan) of K-I, Kalpana Area, BJB Nagar, Bhubaneswar-751014 seeking approval of MoEF&CC under Section 2 (iii) of Forest Conservation Act, 1980 over entire forest land of 146.545 ha. within total applied mining lease area of 152.927 ha. in Kalaparnat Iron and Manganese ore mines in Keonjhar district, Odisha. The moist peninsular valley Sal forest involved in the lease is a forest of good density, particularly towards the northern boundary of the proposed lease. Therefore, the mining in the area is likely to have some impact on the local forest ecology.

Since, the present application has been made for forest clearance under Section 2 (iii) of the Forest (Conservation) Act, 1980, therefore, no details of proposed land use, including land for construction of buildings, if any, number of trees to be felled, etc. has been included in the site inspection report.


(Dr. Tejinder Singh)
Addl. PCCF (Central)

WEB - GIS BASED DECISION SUPPORT SYSTEM RESULT

File no: 8-56/2016 (8-308/FC)

Date: 23.12.2016

Proposal: KALAPARBAT IRON & MANGANESE ML AREA OF DR SAROJINI PRADHAN

Location:

State: ODISHA

District: KEONJHAR

Decision Support System (DSS) Analysis:

Area of the Total Mining Lease (Software calculated): **152.38 hectare.**

➤ **Decision Rule I:**

Layer Info	Details	Result/Remarks
Hydrological Info (Major River, Wetland)	NA	Not Inviolate
VDF	NA	Not Inviolate
Last Remnant FTM	NA	Not Inviolate
Protected Area Info	NA	Not Inviolate
Wildlife Info	Sloth Bear	Inviolate

➤ **Decision Rule II (Analysis based on 50% Rule)**

✓ **FOREST COVER MAP:**

Forest Cover Map Statistics (Software Calculated):

SL No	Forest Cover	Area in Hectare (Approx.)
1.	VDF	03
2.	MDF	116
3.	Open Forest	26
4.	Non-Forest	08

✓ **FOREST TYPE MAP:**

Forest Type Map Statistics (Software Calculated):

SL No	Forest Type	Area in Hectare (Approx.)
1.	3C/2e(iii)Moist Peninsular Valley Sal Forests	89
2.	3C/2S1 Northern Secondary Moist Mixed Deciduous Forest	25
3.	Non-Forest	38

➤ **DSS Final Score Result:**

GRIDID	SCOREFCM	SCOREFTM	SCOREBR	SCORELANDSCAPE	AGGREGATESCORE
2038191	67.61	58.22	74.98	56.37	64.29

DESCRIPTION	RESULT
Total Number of Grids	1
Total no. of (1 Km X 1 Km) Grids having total score above 70	0
Final Status (based on 4 out of 6 parameters)	Not Inviolate

- ✦ The proposed area can be treated as **Not Inviolate** in accordance with Decision Rule-I and Decision Rule-II of GIS based Decision Support System (DSS) (**Not Inviolate:** Can be diverted for any non-forest Activity)