



**ବନଖଣ୍ଡ ଅଧିକାରୀଙ୍କ କାର୍ଯ୍ୟାଳୟ ସୁନ୍ଦରଗଡ଼ : ସୁନ୍ଦରଗଡ଼ ବନଖଣ୍ଡ**  
**OFFICE OF THE DIVISIONAL FOREST OFFICER, SUNDARGARH FOREST DIVISION.**

(Phone-06622-272243, FAX-06622-274987, email- [dfosngdvn@yahoo.co.in](mailto:dfosngdvn@yahoo.co.in))

Memo No. 7093 /4F (Misc) /2019 - Dt- 18-10-2019

**To**

**The Addl. Principal Chief Conservator of Forests,  
Rourkela Circle, Rourkela.**

**Sub: -** Proposal for Diversion of 26.994 Ha. Forest Land for construction of Four Lane dedicated Coal Corridor from Bankibahal (Coal Mine) 0/00km to Bhedabahal (SH-10) 30/811 in the District of Sundargarh by Executive Engineer Sundargarh (R&B) Division, Sundargarh.

**Ref: -** Proposal No: **FP/OR/ROAD/32294/2018** Dt: **19/03/2018**  
State Serial No:- **OR-023/2018**, Dt: **25/04/18**

In inviting a reference to the subject cited above, the Executive Engineer Sundargarh (R&B) Division, Sundargarh, User Agency has submitted the proposal for diversion of 26.994 ha of Forest land for construction of four lane dedicated coal corridor from Bankibahal (Coal Mine) 0/00km to Bhedabahal (SH-10) 30/811 in the District of Sundargarh, the details of forest diversion proposal is furnished below:-

**Brief Description:**

Prior to emerging of the Basundhara Coal Field Area, these Sundargarh – Lephripara Road (M.D.R. -27), Suruguda- Balichuan- Balinga – Hemgiri – Kanika Road (M.D.R.-29), and Duduka – Taparia Road (M.D.R.) were extensively being used by the peoples residing in Tangarpali, Lepharpapa, Hemgiri Tahasil area of Sundargarh District. Now-a-days, the same road is used for coal transportation as well as daily movement of local public. The mixed traffic of the local public with cycle, motorcycle, four wheelers, etc in addition to 2000 coal loaded trucks and multi axle heavy vehicles regularly causing fatal accidents. And environment pollution The villages Bandhpalli, Mahulpalli, Surguda, Barpalli etc. have already been reported in high accident prone area/black spot of the District for 2017 and 2018. The Basundhara Coal Field area of MCL is the largest opencast mine in India which is connected to this Road. The heavy vehicles carrying coals from Basundhara Coal Field Area either use the existing 2 lane Bankibahal-Kanika Railway Siding, Belpahad etc. via Hemgir (M.D.R. -29) or the Bankibahal – Duduka - Surguda – Ujalpur – Sundargarh by-pass Road (M.D.R. -29, M.D.R.-27 & M.D.R.) and ultimately take-up to their destination route either Rourkela or Jharsuguda Side through S.H.-10. This existing 2 lane road is unable to accommodate the heavy traffic being used for Coal transportation and vehicles of the local

public there by leading to fatal accidents causing human casualties and thereby creating law and order situation in the area. Keeping in view of all these facts the Rehabilitation and Periphery Development Advisory Committee (RPDAC) during 2011 has approved the improvement of this road by converting it 2 lane to 4 lane. The MoU was signed between the Works Department, Govt of Odisha and MCL on date 7.5.2013 for (1.) Construction and improvement of existing road to 4 lane dedicated Coal Corridor from Bankibahal to Bhedabahal at SH-10(30.811km), (2.) Construction and improvement of Ujalpur bypass, (3.) Construction and improvement of existing 2 lane to 4 lane road from Bankibahal to Kanika Railway Siding (0/00km to 25/750km). The Project was delayed and the local public filed a PIL case in Hon'able High Court of Odisha, Cuttack vide WP(C) No.11744 of 2012 on dated 06.07.2012. Again though the MoU was signed between the Works Department, Govt of Odisha and MCL on date 7.5.2013 due to delay in construction, a contempt of court was filed by Villagers vide Case No.785/2013. The Hon'able High Court of Odisha, Cuttack also directed to the RDC and MCL Authority to expedite the construction of the project Road. Accordingly in the 1<sup>st</sup> phase the widening of existing road 2 lane to 4 lane road from Bankibahal (Barpalli Chowk) to Kanika Railway Siding was taken up and now at the stage of completion.

In 2<sup>nd</sup> phase, the construction of the proposed 4 lane dedicated coal corridor road from Bankibahal Chowk situated in the heart of the Basundhara Coal Mines area to Bhedabahal via Kalobahal, Aonlabahal etc. at 74/200 Km. on Sambalpur – Sundargarh – Rourkela Road (S.H.-10) which ultimately connects to the industrial towns namely Jharsuguda and Rourkela. The total length of the proposed four lane dedicated coal corridor is 30.811KM for which 30 to 45 meter width of Right of Way is proposed. However, in the instant programme four lane will be constructed from 00/ 00km to 8/00km and rest of the part will be of two lane carriage way.

The Government of Odisha, Works Department vide its Letter No.886 dated 22.01.2016 has declared the Executive Engineers of the Department as Competent Authority to file Forest Diversion Proposal as and when required for the public purposes on behalf of the Works Department (Copy Enclosed as Annexure-XVIII A & XVIII B).

As per decision of the Rehabilitation and Periphery Development Advisory Committee (RPDAC) during 2011, the MoU was signed between the Works Department, Govt of Odisha and MCL on date 7.5.2013 for (1.) Construction and improvement of existing road to 4 lane dedicated Coal Corridor from Bankibahal to Bhedabahal at SH-10(30.811km), (2.) Construction and improvement of Ujalpur bypass, (3.) Construction and improvement of existing 2 lane to 4 lane road from Bankibahal to Kanika Railway Siding (0/00km to 25/750km). Thus there was no scope of study of alternative alignments in this project.

## **2. Map**

The User Agency has enclosed the following maps.

| SL No. | Particulars  | Scale        | Plate No.            |
|--------|--|--------------|----------------------|
| 01     | Map of the project site/ forest area required clearly showing forest boundaries and adjoining areas with their land use in distinct colours in 1:50000 / an index map on a larger scale. | 1:50,000     | Annexure-I           |
| 02     | Lay out plan of the Project site approved by the competent authority with detail co-ordinates  |              | Annexure-II          |
| 03     | Cadastral Map showing the details of alignment and Forest area.  | 1 Mile = 16" | Annexure-III (Vol-2) |
| 04     | DGPS Survey map of forest area by ORSAC .  | 1:4000       | Annexure-XX          |

**3. Total land requirement for the Project:-**

The total area of the project is **146.514 Ha** out of which **26.994ha** is of forest land & **119.520 ha** Non forest land. Out of the 26.99 ha of forest land proposed for diversion, 19.877 ha is revenue forest, 1.533ha is DLC forest and 5.584ha is Reserve forests. The details of Forest and Non forest land with certificate of concerned Tahasildars on land kisam as on 25.10.1980, DLC forest and reserve forest land is enclosed as **Annexure -VI**. Out of the 119.52 ha of Non Forest Land, 38.71 ha is Govt. Land, 76.51 ha is Private Land and 4.30 is Coal Bearing Land.

The Tahasildar Hemgir, Lephripada, Tangarpalli and Sundergarh Sadar have issued certificate to the effect that they have verified the records on the status of the land schedule of their Tahasil as on 25.10.1980 .

**4. Flora and Fauna**

As per Champion and Seth classification the forest type in the applied area comes under Group-5 Tropical Dry deciduous Forest and Sub group is 5B, Northern Tropical Dry Deciduous Forest. Type-5B-C2 Northern Dry Mixed Deciduous Forests. The tree species commonly noticed in the proposed area are – Shorea robusta (Sal), Terminalia tomentosa (Asan), Syzgium cumini (Jamun), Buchnanian lanzan (Char), Madhuca indica (Mahul), Terminalia belerica (Bahada), Adina cordifolia (Kurum), Diospyros melanoxylon (Kendu), Emblica officinalis (Amla), Soyimida febrifuga (Rohini), Bombax ceiba (Simul), Cassia fistula (Sunari), Lagerstoemia parviflora (Sidha), Anogeissus latifolia (Dharua), Azadirachta indica (Neem), Pterocarpus marsupium (Bija), Tectona grandis (Teak) etc. The density of the vegetation is found to be 0.4 in the proposed diversion area. The Project passes through three no.s of Rf sie. Sidarmunda-1.150km (4.141ha), Punjipahar-0.363km (0.867ha) and Panikholia-0.350km (0.576ha) and Revenue forests & DLC-8.937km all total over 10.8kms.

The wild animals/ fauna noticed in the area are Hyena(Hyena hyena),Barking deer (Muntiacus muntjack), Wild boar (Sus scrofa) Sloth bear (Melursus ursinus), Monkey (Presbytis entellus), Mongoose (Herpestes edwardsii), Rabbits (Lepus nigricollisuficaudatus) etc. but population is very thin. Though the area is not the habitat of Elephants or any part of Elephant Corridor but Elephant moves occasionally in paddy harvesting season. Among birds, Indian myna (Acridotheres tristis), Jungle fowl(Gallus gallus), Indian Rollers, Black drongo (Dicrurus macrocerus), Common crow (Corvus splendens), Indian cuckoo (Eudynamis scolopaceous), Dove (Streptopelia decaocto), Parakeets (Psittacule upatria) etc. are seen. Among reptiles and lizards, Indian cobra (Naja naja), Common Krait (Bungarus careruleus), Rat snake (Ptyas mucosus) common garden lizards(Varanus bengalensis) etc. are seen.

#### 5. Tree enumeration:

Plot wise tree enumeration has been carried out in both Forest and Non-forest area of the project. The total number of trees to be affected by the project is **6522nos** with following breakup-

|                              |                |
|------------------------------|----------------|
| 1. Reserve forest            | 1747nos        |
| 2. Revenue forest & DLC area | 727 nos        |
| 3. Non forest Govt. Land     | 1706nos        |
| 4. Private land              | 2342nos        |
| <b>Total</b>                 | <b>6522nos</b> |

The details of enumeration list for Forest and Non forest Govt. Land area has been enclosed separately with the proposal as Vol-3. The abstract of tree list is furnished as Annexure XIII.

In all total 6522 nos of trees to be felled from the ROW for the project which will be compensated through raising Compensatory Afforestation over 26.994ha at the project cost. Besides Compensatory Afforestation, the User Agency shall raise two times the trees to be felled by User Agency from the Government non forest land and private land.

#### 6. Compensatory Afforestation

An area of 30.02 Ha. of degraded revenue forest land (net effective area 2.994ha) has been identified at Nialipali, Dhauraadha, Bilagarh & Kepase village of Tangarpali Tahasil of Sundargarh district. The details of map of the sites along with area is marked as **Annexure -B**. The said degraded revenue forest land has been inspected by the undersigned as well as Asst. Conservator of Forests, Sundergarh. The site is free from encroachment and encumbrance. It is also suitable for raising plantation @1000 per hectare. The afforestation work will be carried out over the effective area of 26.994 Ha. Scheme for Compensatory Afforestation over an area of 26.994 has been prepared by the undersigned & the total financial outlay for **Rs.1,52,19,828.00** @ 286.30 per man day with 10 year maintenance cost. The scheme has provision of special soil and moisture conservation measures, barbed wire fencing over the entire area. The species to be planted are Sishu (Dalbergia sisoo), Asan (Terminalia tomentosa), Teak (Tectona grandis), Salia Bamboo (Dendrocalamus strictus), Siris (Albizia procera), Neem (Azadirachta indica), Aonla (Emblica officinalis), Chakunda (Casia siamensis) etc. The user agency has furnished an undertaking for payment of the above CA amount as **Annexure -C**.

7. **Resettlement and Rehabilitation**  
Not Applicable.
8. **Employment likely to be generated**  
It has been assessed by the Executive Engineer, Sundargarh (R&B) Division that about 300 people will be engaged regularly and 4000 people on temporary basis.
9. **Cost Benefit analysis**  
Cost benefit Analysis has been done. The cost in terms forest is Rs.1.86 Crore where as benefit comes to Rs.391.09Crore. Thus the C:B is 1:210. The detail calculation sheet is enclosed at **Annexure-XIV**.
10. **Environmental Clearance.**  
The environmental clearance is not applicable for this project, as the project length is less than 100KM as per Ministry of Environment and Forests, GOI notification dt.22.08.2013.
11. **Certificate under Forest Right Act.2006**  
The Executive Engineer Sundargarh (R&B) Division, Sundargarh, User Agency has submitted an undertaking in this regard that he will submit the certificate under Schedule Tribe and other Traditional Forest Dwellers (Recognition of Forest Rights) Act.2006 pertaining to the forest area over 26.994ha in Sundargarh District for this road project in the format prescribed by MoEF before Stage-II clearance at Annexure-XII.
12. **Wildlife Management Plan**  
The project is not falling within any Eco-Sensitive Zone, National Park, Biosphere Reserve or Sanctuary. It does not come under any Wildlife Corridor. However, the forest area of this project forms the part of impact area (within 10.00km) of Site Specific Wild Life Conservation Plan for Rs.194.785lakh prepared during diversion of 41.725Ha (Forest-39.9Ha + Non forest looks like forest-1.745Ha) of forest land for the Project "widening and strengthening of existing two lane to four lane from Bankibahal to Kanika Railway Siding" approved by PCCF (Wild Life) & Chief Wild Life Warden, Odisha, Bhubaneswar vide its letter No.8804 dated 10.11. 2016 which is under implementation. The Executive Engineer, Sundargarh (R&B) Division has furnished an undertaking to pay the cost of Site Specific Wild Life Conservation Plan if at all required at **Annexure-XV**
13. **Deposit of NPV**  
The User Agency has given an undertaking to pay the NPV of the forest land proposed for diversion is enclosed at Annexure-X.
14. **Violation**  
No violation is noticed in the Project area.
15. **DGPS Survey Report**  
The DGPS Survey report is enclosed in the proposal as Annexure -XX


**16. Others**

- i) Site inspection report is enclosed with the proposal as Annexure -B
- ii) Part-II is enclosed with the proposal
- iii) Basic Information Report is enclosed as Annexure -XVII

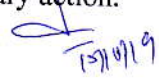
**17. Recommendation**

In view of the above, 26.994 ha. of forest land as given detail above is recommended for diversion in favour of Executive Engineer, Sundargarh (R & B) Division, Sundargarh for public purpose.

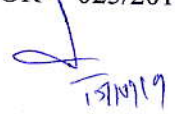
Encl: 5 sets of proposal

  
Divisional Forest Officer  
Sundargarh Forest Division

Memo No. 7094 /Dated - 18.10.2019  
Copy submitted to the Principal Chief Conservator of Forests, Odisha, Aranya Bhawan, Bhubaneswar for favour of kind information and necessary action.

  
Divisional Forest Officer  
Sundargarh Forest Division.

Memo No. 7095 /Dated - 18.10.2019  
Copy forwarded to the Executive Engineer, R & B Division, Sundargarh for information and necessary action with reference to his proposal no. FP/OR/ROAD/32294/2018 Dt: 19.03.2018 vide state serial No. OR- 023/2018, Dt: 25.04.2018.

  
Divisional Forest Officer,  
Sundargarh Forest Division.