

## **PART-II**

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

State Serial No. of proposal : **FP/JH/TRANS/45211/2020**

1. Location of the project/Scheme : Jharkhand

(i) State / Union Territory : Jharkhand

(ii) District : Hazaribag

(iii) Forest Division : Hazaribagh West

(iv) Area of forest land proposed for diversion (in ha.) : 24.8509

(v) Legal status of forest land proposed for diversion :

S. No.	Division	Forest Land(ha.)	Legal Status
1	Hazaribagh West	7.9409	Protected Forest
2	Hazaribagh West	16.91	jungle-jhari land
Total		24.8509	

(vi) Density of vegetation

S. No.	Area(in ha.)	Density	Eco-Class
1	24.8509	0.6	Eco 3
Total.	24.8509		

vii) Species-wise (scientific names) and diameter class-wise enumeration of trees (to be enclosed. In case of irrigation / hydel projects enumeration at FRL, FRL-2 meter & FRL-4 meter also to be enclosed):

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 Auriculiformis	Acacia	0	2	16	3	0	0
2	Terminalia Arjuna	Arjun	0	0	3	3	0	0
3	Others	Asan	5	15	16	13	7	4
4	Terminalia Bellarica	Barhera	0	1	1	0	0	0
5	Bambusa Vulgaris	Bamboo clumps	2	0	0	0	0	0
6	Ficus Bengalensis	Bargad	0	1	0	0	0	4
7	Semecarpus Anacardium	Bhelwa	3	4	7	0	0	0
8	Others	Babul	0	1	4	2	0	2
9	Others	Buchh	0	0	0	1	0	0

10	Others	Challe	2	1	0	2	1	2
11	Others	Chirchiri	110	17	6	3	2	1
12	Others	Dhautha	7	12	5	4	2	2
13	Ficus Racemosa	Dumar	0	1	2	2	3	1
14	Eucalyptus	Eucalyptus	427	117	116	61	5	4
15	Others	Galgai	2	2	0	0	0	0
16	Gmelina Arborea	Gamhar	2	8	4	1	0	1
17	Ailanthus excelsa	Ghor Karanj	0	1	0	0	0	3
18	Terminalia Chebula	Harre	0	0	1	0	1	0
19	Syzigium Cumini	Jamun	0	4	4	0	2	2
20	Others	Kadam	2	2	0	0	0	0
21	Others	Kaj	0	3	0	1	2	2
22	Anacardium Occidentale	Kaju	0	0	0	0	1	0
23	Others	Karajn	3	4	3	3	0	2
24	Prosopis Juliflora	Katar	0	1	0	0	0	0
25	Artocarpus Heterophyllus	Kathal	0	1	0	0	0	0
26	Acacia Catechu	Khair	7	28	15	5	2	0
27	Others	Khejur	0	0	9	16	1	0
28	Others	Konar	0	1	2	2	0	0
29	Madhuka Indica	Mahua	0	4	8	5	4	15
30	Mangifera Indica	Mango	0	2	2	1	0	4
31	Azadirachta Indica	Neem	2	6	5	1	1	3
32	Others	Pannan	0	0	0	1	0	0
33	Others	Papret	0	1	0	0	0	0
34	Butea Monosperma	Paras	200	194	105	45	16	19
35	Others	Piyar	2	5	3	1	1	0
36	Others	Prambhi	0	0	0	1	0	0
37	Others	Ratungair	1	2	1	3	1	1
38	Shorea Robusta	Saal	406	201	79	37	20	14
39	Tectona Grandis	Sagwan	2	6	2	1	0	1
40	Lagerstroemia Parviflora	Seedha	22	26	18	11	6	1
41	Dalburgia Sisoo	Shisam	1	15	10	8	5	7
42	Bombax Ceiba	Simar	0	1	1	0	0	0
43	Others	Sarah	5	6	0	1	0	0
44	Others	Simul	0	1	0	0	0	0
45	Others	Sindwar	0	7	3	0	0	0
46	Albizia lebbeck	Sirish	0	3	3	0	0	1
47	Others	Tal	0	0	0	1	0	2
48	Others	Tilay	0	0	0	1	0	0
Total			1213	707	454	240	83	96
Sub Total (No of Trees.)			2793					

viii) **Brief note on vulnerability of the forest area to erosion :** Proposed Forest Area is vulnerable to soil erosion, gully erosion, and in some part Ravines are also present inside the forest area proposed for the diversion.

ix) **Approximate distance of the proposed site for diversion from boundary of forest :** 0

x) **Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. (If so, the detail of the area and comments of the Chief Wildlife Warden to be annexed) :** No

xi) **Whether any rare/endangered/unique species of flora and fauna found in the area- if so, details thereof. :** Yes, sometimes herd of elephant passes through area. A part from this Hyna, wild boar, Deer, Fox, Jackals, barking deer are also found.

xii) **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, if required. :** No

8. **Whether the requirement of forest land as proposed by the user agency in col. 2 of Part-I is unavoidable and bare minimum for the project. If no, recommended area item-wise with details of alternatives examined. :** Yes

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. :** No

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.**

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	KML file of patch
1	1	50	Chalkusha	Barhi	1850, 1916, 1558, 1886, 1404, 1816, 1466	Enclosed in proposal file & uploaded.

ii) **Map showing non-forest/degraded forest area identified for compensatory afforestation and adjoining forest boundaries.:** Enclosed in proposal file & uploaded.

iii) **Detailed compensatory afforestation scheme including species to be planted. Implementing agency, time schedule, cost structure, etc.:** Enclosed in proposal file & uploaded.

iv) **Total Financial Outlay for Compensatory afforestation scheme :** 147.40839 (in lacs)

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).: Enclosed in proposal file & uploaded.

11. Site inspection report of the DCF (to be enclosed) especially highlighting facts asked in col. 7 (xi, xii), 8 and 9 above.

The proposed site for construction of Transmission line was inspected on 11<sup>th</sup>. December, 2020 measuring an area of 24.8509 Ha. in the corresponding villages- Dumardih, Karrso, Katiaun, Khonraahar, Goriakarma, Kharaun in Barhi Range & Hazari Dhamna in Chouparan Range. On inspection it was found that the patch of forest in Bero Protected Forest is predominate with Palash and other species like Babul, Shisam, Asan, Dhoutha, Neem, Gamhar etc. In Babul, Shisam, Asan, Dhoutha, Neem, Gamhar are seen and likewise in Khonraahar PF Saal etc are found and the average density is 0.6.

The soil along the proposed transmission line is highly vulnerable to soil erosion. so suitable soil Conservation measures should be taken in these areas.

No protected Archaeological heritage site/ defence establishment or any other important monument is located in the area, although the proposed area is not part of Eco-sensitive zone of Gautam Buddha Wildlife Sanctuary but has got considerable wildlife population and hence special provision for Wildlife of the area may be prescribed.

The project is recommended in national interest as it will increase the carriage capacity of electricity with reduced risk of accidents to fulfill the energy requirement of the people in area.

**12. Division/District Profile :**

i)	Geographical area of the district (in ha.)	:	430200
ii)	Forest area of the district (in ha.)	:	203800
iii)	Total forest area diverted since 1980 (in ha.)	:	3794.237
	No. of Approved Cases	:	26
iv)	Total compensatory afforestation stipulated in the district/division since 1980 on		
(a)	Forest Land including penal C.A. (in ha.)	:	6482.3932
(b)	non-forest land	:	0
v)	Progress of compensatory afforestation as on(date)	:	31/03/2020
(a)	A) Forest land (in ha.)	:	536537
(b)	B) Non-forest land (in ha.)	:	0

**13. Specific recommendation of the DCF for acceptance or otherwise of the proposal with reason :**

The proposed site for construction of Transmission line was inspected on 11<sup>th</sup>. December, 2020 measuring an area of 24.8509 Ha. in the corresponding villages- Dumardih, Karrso, Katiaun,



Khonraahar, Goriakarma, Kharaun in Barhi Range & Hazari Dhamna in Chouparan Range. On inspection it was found that the patch of forest in Bero Protected Forest is predominate with Palash and other species like Babul, Shisam, Asan, Dhoutha, Neem, Gamhar etc. In Babul, Shisam, Asan, Dhoutha, Neem, Gamhar are seen and likewise in Khonraahar PF Saal etc are found and the average density is 0.6.

The soil along the proposed transmission line is highly vulnerable to soil erosion. It has been recorded that many wild animals including Elephants have been criss crossing the proposed site because of their vicinity to Hazaribag Wildlife Sanctuary and Gautam Buddha Wildlife Sanctuary.

Hence, all precaution should be taken to avoid electrocution of wildlife especially Elephants. In case of overhead transmission line, the height of the transmission line be kept more than the trunk height of the Elephants.

Since, the present alignment involves least forest area and also that it would fulfill the energy requirements to the people in the area, the proposal may be recommended.

Signature: -



Name: -

**R. N. MISHRA**  
I.F.S.

Official Seal: -

Divisional Forest Officer  
West Division, Hazaribag

Date: - 23/9/2024

Place: - Hazaribag