

PART-II

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

State Serial No. of proposal : JH-050/2021

1. Location of the project/Scheme : Jharkhand

- (i) State / Union Territory : Jharkhand
(ii) District : Hazaribag, Chatra
(iii) Forest Division : Hazaribagh West, Chatra South
(iv) Area of forest land proposed for diversion (in ha.) : 699.38
(v) Category of the Proposal: Mining

2. Legal status of forest land proposed for diversion :

S. No.	Division	Forest Land(ha.)	Legal Status
1	Hazaribagh West	295.46	Protected Forest
2	Hazaribagh West	2.96	jungle-jhari land
3	Chatra South	159.73	jungle-jhari land
4	Chatra South	241.23	Protected Forest
Total		699.38	

Division 1. : Chatra South

3. District wise area to be diverted in the division :

S. No.	District	Area(ha.)
1	Chatra	21.7
Total		21.7

4. Details of Vegetation available in the forest land proposed for diversion :

(i) Density of vegetation

S. No.	Area(in ha.)	Density	Eco-Class
1	400.96	0.6	Eco 3
Total.	400.96		

(ii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Mangifera Indica	Aam	20	0	0	0	2	0
2	Terminalia bellerica	Bahera	4	0	0	0	0	0
3	Bombax Ceiba	Bair, Barededhi	26	8	0	0	0	0
4	Ficus Bengalensis	Bargad	0	0	0	0	0	1
5	Aegle Marmelos	Bel	127	8	0	0	0	0
6	Eucalyptus	Eucalyptus, Fakair	61	57	6	1	6	7
7	Gmelina Arborea	Gamhar, Ginjan	424	38	0	0	0	0
8	Syzigium Cumini	Jamun	146	3	0	0	0	0
9	Diospyros Melanoxylon	Kendu, Kokarai	48	21	0	0	0	0
10	Madhuca indica	Mahua, Meshand	278	3	0	2	2	10
11	Azadirachta Indica	Neem	85	9	1	3	0	1
12	Butea Monosperma	Palash	1970	6	2	0	0	0
13	Tectona Grandis	Sagwan	1	0	0	0	0	0
14	Shorea Robusta	Sakhuwa, Sal	29159	1970	108	0	19	0
15	Boswellia Serrata	Salai	1	0	0	0	0	0

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16	Dalburgia Sisoo	Sisam	2	3	0	0	0	0
17	Bombax Ceiba	Simar	40	5	1	0	0	0
18	Albezzia Labbeck	Siris	0	0	1	1	0	0
19	Others	Babul, Churchur, Chakod, Chir, Dhoutha, Dokka, Kadam, Kamod, Khari, Karam, Karanj, Katel, Konar, Kod	4562	591	21	1	0	4
Total			36954	2722	140	8	29	25
Sub Total (No of Trees.)			39878					

5. Working plan prescription for the forest land proposed for diversion :

Rehabilitation cum Soil Conservation Working Plan and Fit for Plantation Working Circle.

6. Brief note on vulnerability of the forest area to erosion : The forest area is moderately vulnerable to soil erosion.

7. Approximate distance of the proposed site for diversion from boundary of forest(In km.) : 0.00

8. Significance of the forest land proposed for diversion from wildlife point of view :

- (i). Details of wildlife present in and around the forest land proposed for diversion : deer, peacock, hen, jackal, fox, mongoose, hare, blue cow, parrot, myna, and elephants etc.
- (ii). Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. : No
- (iii). Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act, 1972 (Note: In case, ESZ of a Protected Area is not notified, then, 10kms distance from boundary of the Protected Area should be treated as ESZ): No
- (iv). Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion : No
- (v). Whether any rare/endangered/unique species of flora and fauna found in the area : Yes

9. Details of any protected archaeological/heritage site/defence establishment or any other important monument located in the area, if any :

- (i). Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area : No

10. Comment as to the reasonability of the extent of the forest land proposed for diversion :

- (i). Whether the requirement of forest land as proposed by the user agency is unavoidable and bare minimum for the project : Yes











11. Details of violation(s), if any ,committed :

- (i). Whether any work in violation of the Act or guidelines issued under the Act has been carried out : No

12. Whether work in violation is still in progres(Yes/No) : No Data

13. Details of compensatory afforestation scheme :

- (i). Patch wise details for Degraded Area (To be earmarked by DFO)
- (i). Total Financial Outlay for C.A(lacs): 2313.69279

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	10	19.37	Pahra PF	Chatra Range	4,58P	 View file
2	11	17.63	Pahra PF	Chatra Range	169P	 View file
3	13	20.35	Sinduarikhurd PF	Chatra Range	2P,3P,4P,5P	 View file
4	1	18.00	Pitiz PF	Chatra Range	2497P,2536,2541	 View file
5	2	18.00	Pitiz PF	Chatra Range	2562P	 View file
6	3	18.00	Damdoiya PF	Chatra Range	1359P	 View file
7	12	14.00	Dahu PF	Tandwa	1614,1615,1717,1880,1881,1912,1970,1998	 View file
8	14	28.00	Padampur PF	Tandwa	81P,197P,853P,857P	 View file
9	15	47.30	Karlagga PF	Chatra Range	213,220,240,354P,317,352P,351	 View file
10	16	209	Noniyachuwan PF	Hunterganj	3P,7,8,9,10,11,12,13,14,26,32,33	 View file

11	4	63.40	Chiraiya PF	Chatra Range	245,246,247,248,249,250,251P	View file
12	5	10.00	Kalajeerma PF	Simaria	17,19,20P,23	View file
13	6	115.00	Lemboya PF	Chatra Range	861,862,863,864,868,867,873	View file
14	7	77	Nayakhap PF	Chatra Range	796,1277P	View file
15	8	81.00	Marangi PF	Chatra Range	3P,4P,5P,6P,112P,399P,400P,401P	View file
16	9	46.00	Mahuari PF	Lawalong	1228P,1229P,1230P,1231P	View file

(ii). Copy of CA scheme details:

(iii). Scanned copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using DGPS or Total Station:

(iv). Copy of Survey of India Toposheet indicating boundary of forest land proposed for C.A.:

(v). Copy of NOC from Competent Authority :

Additional information Details :

S. No.	Documents	Remarks
1		Online Manuall Part-II
2		Manuall Part-II

Division 2. : Hazaribagh West

3. District wise area to be diverted in the division :

S. No.	District	Area(ha.)
1	Hazaribag	677.68
Total		677.68

4. Details of Vegetation available in the forest land proposed for diversion :

(i) Density of vegetation

S. No.	Area(in ha.)	Density	Eco-Class
1	298.42	0.6	Eco 3
Total.	298.42		

(ii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	embelica officinalis	Amla	24	0	0	0	0	0
2	Terminalia Tomentosa	Aasan	205	3	1	0	0	0
3	Acacia Catechu	Acacia	194	183	12	2	0	1
4	Psidium Guajava	Amrud	4	0	0	0	0	0
5	Others	Arair	719	7	0	0	0	0
6	Terminalia Bellarica	Bahera	114	5	2	0	0	0
7	Bombax Ceiba	Bair	11	0	0	0	0	0
8	Melia Azadirachta	Baken	54	2	1	1	0	1
9	Ficus benghalensis	Bargad	23	1	1	2	0	3
10	Aegle Marmelos	Bel	222	47	2	2	0	0
11	Semecarpus Anacardium	Bhelwa	58	3	0	0	0	0
12	Others	Chirchiri	2	0	0	0	0	0
13	Others	Dhautha	372	9	0	0	0	0
14	Others	Dhawai	14	0	0	0	0	0
15	Eucalyptus	Eucalyptus	15705	6207	380	31	16	47
16	Others	Ginjan	1837	86	2	0	0	0
17	Terminalia Chebula	Harhad	3	1	0	0	0	0
18	Syzigium Cumini	Jamun	50	7	1	0	0	0
19	Others	Kantel	124	7	2	0	0	0
20	Others	Karam	6	0	0	0	0	0
21	Pongamia Pinnata	Karanj	120	5	0	0	0	1

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22	Diasporus Melanoxylon	Kendu	5280	183	4	1	0	2
23	Acacia Catechu	Khair	4184	393	7	2	0	3
24	Madhuca indica	Mahuwa	1095	468	81	61	67	165
25	Azadirachta Indica	Neem	72	9	0	0	0	0
26	Butea Monosperma	Palash	865	128	11	2	0	1
27	Ficus Religiosa	Pipal	7	1	1	3	1	3
28	Others	Piyar	116	0	0	0	0	0
29	Tectona Grandis	Sagwan	133	13	1	1	0	2
30	Shorea Robusta	Sakhuwa	38687	6647	311	24	13	55
31	Boswellia Serrata	Salai	40	0	0	0	0	0
32	Dalburgia Sisoo	Shisam	19	1	0	0	0	0
33	Lagerstroemia Parviflora	Sidha	253	6	0	0	0	0
34	Mangifera Indica	Aam	5	3	2	0	0	1
35	Ficus Racemosa	Gular	1	2	0	0	0	0
36	Delonix Regia	Gulmohar	0	1	0	0	0	0
37	Others	Kakor	1	0	0	0	0	0
38	Others	Samsihar	5	0	0	0	0	0
39	Bombax Ceiba	Simar	15	12	2	1	0	0
40	Others	Ankh bidor	6	0	0	0	0	0
41	Cassia Fistula	Bandarlör	92	5	1	0	0	0
42	Others	Bansh Bakhar	1	0	0	0	0	0
43	Others	Bon Supaliya	4	0	0	0	0	0
44	Ficus Racemosa	Dumar	1	0	0	0	0	0
45	Others	Golgolwa	10	0	0	0	0	0
46	Terminalia Chebula	Haray	4	0	0	0	0	0
47	Others	Kanouda	320	0	0	0	0	0
48	Others	Kari	34	0	0	0	0	0
49	Bauhinia Parviflora	Kath Mohli	2	0	0	0	0	0
50	Neeroddi	Konar	2	1	0	0	0	0
51	Acacia Auriculiformis	Mauna	38	0	0	0	0	0
52	Others	Paisar	3	0	0	0	0	0
53	Others	Pandan	5	1	0	0	0	0
54	Alstonia Scholaris	Pindra	5	0	0	0	0	0
55	Others	Prambhi	20	0	0	0	0	0
56	Bambusa Vulgaris	Baans	32	2	0	0	0	0
57	Others	Berry	1	0	0	0	0	0
58	Others	Bhurkund	1	0	0	0	0	0
59	Gmelina Arborea	Gamhar	12	0	0	0	0	0
60	Others	Jhingaar	0	0	1	0	0	0
61	Others	Karo	7	0	0	0	0	0
62	Others	Chakor	98	126	26	13	8	9
Total			71337	14575	852	146	105	295
Sub Total (No of Trees.)			87310					

















5. Working plan prescription for the forest land proposed for diversion :





Working plan prescription for the forest land proposed for diversion are coppice with standard (CWS) working circle and Rehabilitation cum-plantation working circle. In CWS system over wood of standards usually of seedling origin composed of various age classes in multiple of coppice rotation are marked for retention. All other trees above predetermined girth classes are felled. CWS consists of two distinct elements. 1. A lower even aged story created as simple coppice. 2. An upper story of standards forming an un-even aged crop and treated as high forests on the principle of selection system. The object of the standards is to provide a certain proportion of large timber to furnish seeds for natural regeneration and in certain cases to afford protection to the coppice crop against forest fire. Tending of young crop is done on established silvicultural practices under strict supervision of senior officers. Every effort are made to regenerate such forests by protection with the active cooperation of VFMPs. The Rehabilitation cum - Plantation working Circle comprises such Sal and miscellaneous forest of the Division which are stagnation in bushy stage (Sal rooted wastes) blanks or perpetual sapling stage due to extremely adverse biotic factors like unregulated felling, grazing and forest fire. No felling has been prescribed under this Working Circle. Salvage felling of only dead, dying and diseased trees, thinning and singling of stock and cutting and resizing of deformed or pollarded root stock will be permitted on sound silvicultural principles. The suitable area are planted with suitable endogenous and valuable species. The edaphic and other local factor are kept in mind while deciding about the plantation of suitable species. Plantations of fast growing species (QGS), fuel and fodder species, Bamboo plantations and Khair Plantations may be raised under this Working Circle. The main aim of the plantation is to restock the blank areas where natural regeneration has failed to come up and provide employment to the people in plantation activities like planting, hoeing, weeding and protection. At the same time steps are taken to reduce soil erosion by adopting soil and moisture conservation works along with planting of trees. Under soil conservation water harvesting structures, check dams, siltation dams, gully plugging, contour trenching are also be done.

6. 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.

7. Approximate distance of the proposed site for diversion from boundary of forest(In km.) : 0
8. Significance of the forest land proposed for diversion from wildlife point of view :
- (i). Details of wildlife present in and around the forest land proposed for diversion : Elephant, Hyena, Python, Nilgai, Wild Boar, Deer, Fox, Indian Cobra, Jungli Cat, Jackal, Rabbit etc. are present in and around proposed forest land.
- (ii). Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. : No
- (iii). Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act, 1972 (Note: In case, ESZ of a Protected Area is not notified, then, 10kms distance from boundary of the Protected Area should be treated as ESZ): No
- (iv). Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion : No
- (v). Whether any rare/endangered/unique species of flora and fauna found in the area : Yes
9. Details of any protected archaeological/heritage site/defence establishment or any other important monument located in the area, if any :
- (i). Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area : No
10. Comment as to the reasonability of the extent of the forest land proposed for diversion :
- (i). Whether the requirement of forest land as proposed by the user agency is unavoidable and bare minimum for the project : Yes
11. Details of violation(s), if any ,committed :
- (i). Whether any work in violation of the Act or guidelines issued under the Act has been carried out : No
12. Whether work in violation is still in progress(Yes/No) : No Data
13. Details of compensatory afforestation scheme :
- (i). Patch wise details for Degraded Area (To be earmarked by DFO)
- (ii). Total Financial Outlay for C.A.(lacs): 1446.17137

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	1	25.00	Madhuban	Barhi	1019 P	 View file
2	2	50.00	Lokiya	Barhi	1(P), 421(P), 592(P), 598(P)	 View file
3	3	38.00	Badiyajwar	Barhi	750(P), 751(P), 752(P)	 View file
4	4	68.00	Balori	Barhi	62(P), 63(P), 64(P), 65(P)	 View file
5	5	49.00	Simarkurha	Barhi	409, 412, 413, 414, 415, 419, 421, 423	 View file
6	7	19.91	Mangrmuha	Barhi	100, 107, 110, 113	 View file
7	14	5.80	Damdoya	Chatra Range	928, 1359	 View file
8	15	23.80	Dahu	Tandwa	1585, 1594, 1611, 1472(p), 1931(p), 1935(p), 1936(p)	 View file
9	16	49.99	Unta	Chatra Range	1(p)	 View file
10	6	10.00	Basriya	Barhi	132, 133, 134	 View file
11	8	64.70	Chandgarh	Barhi	131, 133, 134, 139	 View file
12	9	39.75	Lachudih	Barhi	18, 19, 34, 43, 45	 View file
13	10	16.00	Jatghaghra	Barhi	155, 1289, 1345	 View file
14	11	73.70	Kendua	Barhi	02, 14, 26, 149, 190, 192, 428, 429, 432, 433	 View file
15	12	34.00	Jarhiya	Barhi	194, 143	 View file
16	13	29.65	Sindhuwari Khurd	Chatra Range	2(p), 3(p), 4(p), 5(p)	 View file

- (ii). Copy of CA scheme details: 
- (iii). Scanned copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using DGPS or Total Station: 
- (iv). Copy of Survey of India Toposheet Indicating boundary of forest land proposed for C.A.: 
- (v). Copy of NOC from Competent Authority : 

Additional information Details :

S. No.	Documents	Remarks
1		Compliance of the query
2		Part-II Signed Copy

14. District Profile :

S.no	District Name	Geographical area of the district (in ha.)	Forest area of the district (in ha.)	Total forest area diverted since 1980 (in ha.)	No. of Approved Cases	Forest Land including penal C.A. (in ha.)	Progress of compensatory afforestation as on (date)	A) Forest land (in ha.)	B) Non-forest land (in ha.)
1	Chatra	370600	201370	1575.27	23	1922.36	17/09/2022	1761.65	0.00
2	Hazaribagh	430200	203800	3794.237	26	5930.405	31/03/2022	5930.405	0

15. Site inspection report of the DFO/CCF/Nodal Officer highlighting important facts pertaining to the forest land :

Division Name	Circle	Site Inspected By	Whether site inspected	No. of times site visited	Site inspection report	Date of visit
Chatra South	Chatra	DFO	Yes	Two		03/09/2022, 04/09/2022
Hazaribagh West	Hazaribagh	DFO	Yes	One		11/09/2022
	Hazaribagh	CF	Yes	One		01/10/2022
	Chatra	CF	Yes	One		01/10/2022
		Nodal Officer	No		No Data	


(Specific recommendation of the DFO/CCF/Nodal Officer with (Part II, III & Part IV))

16. Specific recommendation of the DFO/CCF/Nodal Officer for acceptance or otherwise of the proposal with reason :

Division	Circle	Recommendation By	Recommendation	Reason	Letter	Whether CF agreed
Chatra South	Chatra	DFO	Recommended	The Chandragupt Open Cast Coal Mines of Amrapali Chandragupt Area of Central Coalfields Ltd. proposal has been found complete in all respects and therefore is recommended for diversion as per the provisions of Forest Conservation Act/Rules.		
Hazaribagh West	Hazaribagh	DFO	Recommended	The user agency M/S CCL has applied for 298.42 hectare of forest land for diversion under forest Conservation Act to excavate coal, the main raw material required for power generation and other commercial and domestic needs in the country. The	 Mukesh Kumar IFS Divisional Forest Officer Chatra South Forest Division	

Report Part 2

area is spread in forests of 02 villages namely Chattibariyatu & Jordag under this division and as per the documents attached with the proposal it has got vast reserve of coal approximately 527.30 MT. The project is site specific and shall cater the many essential needs of the people through its linked infrastructural projects e.g. Transmission Line, Roads etc. Our energy demand for all round development is still very much dependent on coal which is about 60% of total requirement of power of the nation. At this stage, one cannot rule out the coal mining projects. The proposal was examined in the light of the guidelines issued by GOI along with the checklist and has been found in a complete state. The proposed area and its surrounding area is good habitat of may wild animals and this project will definitely impact adversely on resident and migratory wild animals for which a wildlife management plan shall be required. The project will generate many employment opportunities to the local


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				people and will also address the migration problem of the people from these areas. Overall, the project is in the interest of the local people and the nation and therefore, this proposal for diversion of 298.42 ha. forest land for coal mining, under the provisions of Forest Conservation Act is recommended for approval by the competent authority.		
	Hazaribagh	CF	Recommended	Present proposal has been submitted for the diversion of 298.42 ha. under Hazaribagh West Forest Division for the Chandragupta Open Cast Mining Project. The proposal is recommended for approval under the provisions of Forest Conservation Act 1980.		Yes
	Chatra	CF	Recommended	The proposal is recommended for approval under the provisions of Forest Conservation Act 1980		Yes
		Nodal Officer	Recommended	Recommended		

Specific recommendation of the State Government(Part V)

17. Specific recommendation of the State Government for acceptance or otherwise of the proposal with reason (Part V) :

State	Recommendation By	Recommendation	Recommendation Date	Remarks	Signing Authority	Notification	Recommendation Letter
Jharkhand	State Secretary	Recommended	22/08/2023	Recommended	State Govt. Officer	No Data	

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