

PART-II

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

State Serial No. of proposal : JH-040/2020

1. Location of the project/Scheme : Jharkhand

- (i) State / Union Territory : Jharkhand
(ii) District : Chatra, Latehar
(iii) Forest Division : Chatra South, Latehar
(iv) Area of forest land proposed for diversion (in ha.) : 121.29
(v) Category of the Proposal: Railway

2. Legal status of forest land proposed for diversion :

S. No.	Division	Forest Land(ha.)	Legal Status
1	Latehar	71.17	Protected Forest
2	Chatra South	17.01	Protected Forest
3	Latehar	33.11	GMJJ
Total		121.29	

Division 1. : Chatra South

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

S. No.	District	Area(ha.)
1	Chatra	17.01
Total		17.01

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	17.01	0.6	Eco 3
Total.	17.01		

(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	5	0	1	0	0	0
2	Others	Arandi	3	2	0	1	0	0
3	Others	Arear	10	2	0	0	0	0
4	Others	Arhad	2	0	0	0	0	0
5	Acacia Nilotica	Babool	4	2	1	0	0	0
6	Aegle Marmelos	Bel	117	13	2	3	0	0
7	Terminalia Bellarica	Baher	80	18	2	1	0	0
8	Others	Bandarlor	67	8	0	0	0	0

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9	Ficus benghalensis	Bargad	2	0	0	0	1	0
10	Zizyphus Jujuba	Ber	27	4	2	0	0	0
11	Others	Bhelwa	280	8	0	0	0	0
12	Others	Bhurkund	3	2	0	0	0	0
13	Others	Chakor	4	1	1	0	0	0
14	Others	Chamarberi	15	2	0	0	0	0
15	Others	Dhautha	294	14	0	0	0	0
16	Others	Dhawai	3	0	0	0	0	0
17	Others	Dinai	1	2	0	0	0	0
18	Others	Fir	0	2	0	0	0	0
19	Others	Gaj	1	0	0	0	0	0
20	Others	Galgai	3	0	0	0	0	0
21	Gmelina Arborea	Gamhar	3	0	0	0	0	0
22	Others	Ghorkaranj	0	1	0	0	0	0
23	Others	Ginjan	505	57	5	3	0	0
24	Others	Harlay	1	0	0	0	0	0
25	Syzigium Cumini	Jamum	31	8	0	0	0	0
26	Others	Kaj	83	2	1	0	0	0
27	Others	Kanod	90	0	0	0	0	0
28	Adina cordifolia	Karam	4	1	0	0	0	0
29	Others	Karhar	1	0	0	0	0	0
30	Others	Kari	5	0	0	0	0	0
31	Others	karma	2	0	0	0	0	0
32	Others	Katel	24	0	0	0	0	0
33	Others	Katmauli	0	1	0	0	0	0
34	Diospyros Melanoxylon	Kend	2069	48	2	0	0	0
35	Acacia Catechu	Khair	248	80	9	0	0	0
36	Others	Kirkiri	1	0	0	0	0	0
37	Bauhinia Parviflora	Konar	108	15	3	0	0	0
38	Others	Kondar	10	1	0	0	0	0
39	Others	Korkora	531	11	2	0	0	0
40	Pongamia Pinnata	Karanj	25	8	3	0	0	0
41	Others	Kusum	4	0	0	1	0	0
42	Others	Kutri	1	0	0	0	0	0
43	Others	Lodha	12	1	0	0	0	0
44	Madhuca indica	Mahua	375	406	194	49	25	33
45	Others	Mashan	2	0	0	0	0	0
46	Others	Mauna	4	0	0	0	0	0
47	Others	Mesondh	52	3	1	0	0	0

48	Azadirachta Indica	Neem	29	11	1	0	0	0
49	Pterocarpus Marsupium	Paisar	18	5	1	0	0	0
50	Butea Monosperma	Palash	3	1	0	0	0	0
51	Others	Paras	79	132	46	15	2	1
52	Others	Piyar	764	25	1	0	0	0
53	Others	Putus	1	0	0	0	0	0
54	Others	Rohen	8	2	0	0	0	0
55	Melotus Philippensis	Rori	7	0	0	0	0	0
56	Tectona Grandis	Sagwan	0	1	0	0	0	0
57	Shorea Robusta	Sakhua	8576	2331	101	39	22	6
58	Others	Samsihar	11	0	0	0	0	0
59	Lagerstroemia Parviflora	Sidha	1337	84	4	3	0	0
60	Bombax Ceiba	Semal	6	4	1	0	1	0
61	Others	Sindur	1	0	0	0	0	0
62	Others	Sitki	2	1	0	0	0	0
63	Others	Taur	17	1	0	0	0	0
64	Others	Eucalyptus	8	8	1	0	0	0
65	Others	Asan	317	20	0	0	0	1
66	Others	pipal	2	0	0	0	0	1
Total			16298	3349	385	115	51	44
Sub Total (No of Trees.)			20242					

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

Rehabilitation cum Soil Conservation Working Circle

6. Brief note on vulnerability of the forest area to erosion : Moderatley to Highly prone to erosion

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 :

Details of wildlife present in and around the forest land proposed for diversion :

(i). Hyaena, Barking Deer, Jungle Cat, Asian Elephant, Fox, Jackal, Rock Python, Indian Peacock 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).

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Latehar Forest Division
Forest Division

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 : No

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 : Yes

(a)Details of violation(s): Forest land was broken prior approval and embankme

(b) Period of Work done(year) : 2020

(c) Area of forest land involved in violation (in ha.) : 0.25

S. No.	Name of person responsible for violation	Designation & Address of person responsible for violation	Action taken against the person responsible for violation
1	Project authorities of CCL and RITES	Darbhanga House CCL Ranchi	Forest offence has been registered

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

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): 116.68971

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	1	35.29	Bargaon	Tandwa	947 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		Recommendation note
2		Manual Part-II
3		Online Part-II

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4		Cadastral map of CA land
5		Site Inspection Report
6		Authenticated land schedule of forest land from DFO Chatra South
7		Violation Details

Division 2. : Latehar

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

S. No.	District	Area(ha.)
1	Latehar	104.28
Total		104.28

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	104.28	0.4	Eco 3
Total.	104.28		

(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	1	2	0	1	0	0
2	embelica officinalis	Awla	5	0	0	0	0	0
3	Terminalia Tomentosa	Aasan	192	9	0	0	0	0
4	Others	Arar	25	2	0	0	0	0
5	Others	Aura	3	0	0	0	0	0
6	Babul	Babul	2	0	0	0	0	0
7	Ficus Racemosa	Baglar	1	0	0	0	0	0
8	Terminalia Bellarica	Baher	23	3	0	0	0	1
9	Bamboo	Bamboo	0	1	0	0	0	5
10	Others	Bandrlor	37	1	0	0	0	0
11	Ficus Bengalensis	Bargad	2	3	0	0	2	6
12	Aegle Marmelos	Bel	35	1	1	1	0	0
13	Aegle Marmelos	Beri	21	0	0	0	0	0
14	Semecarpus Anacardium	Bhelwa	184	4	0	0	0	0
15	Others	Chamarbe	31	0	0	0	0	0
16	Others	Dhautha	72	4	2	1	0	0

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17	Others	Dhawai	6	0	0	0	0	0
18	Azadirachta Indica	Gadhneem	1	0	0	1	0	0
19	Gmelin Arborea	Gamhar	2	0	0	0	0	0
20	Ailantus Excelra	Ghorkaranj	28	17	3	1	2	0
21	Others	Ginjan	167	23	0	1	0	0
22	Delonix Regia	Gulmohar	0	0	1	0	0	0
23	Syzigium Cumini	Jamun	34	10	0	0	1	0
24	Others	Kaj	11	0	0	0	0	0
25	Others	Kanod	41	0	0	0	0	0
26	Adena Cardifolia	Karam	3	0	0	0	0	0
27	Others	Kari	2	0	0	0	0	0
28	Pongamia Pinnata	Karanj	8	1	0	0	0	0
29	Others	Katel	13	0	0	0	0	0
30	Couroupita Guianensis	Katputri	13	0	0	0	0	0
31	Diasporus Melanoxylon	Kend	1977	12	7	6	0	0
32	Others	Khair	152	17	1	0	0	0
33	Others	Koenar	50	9	1	2	0	0
34	Others	Koreya	175	1	0	0	0	0
35	Others	Kusum	6	0	0	0	0	0
36	Others	Lodh	34	0	0	0	0	0
37	Madhuca indica	Mahua	186	68	9	11	3	19
38	Others	Mesondh	41	0	0	0	0	0
39	Others	Mohlain	3	0	0	0	0	0
40	Others	Mona	3	0	0	0	0	0
41	Neem	Neem	79	14	5	1	0	0
42	Pterocarpus Marsupium	Paisar	1	0	0	0	0	0
43	Butea Monosperma	Palas	159	57	12	2	5	1
44	Others	Paprot	3	0	0	0	0	0
45	Others	Pharhad	1	0	0	0	0	0
46	Ficus Religiosa	Pipal	3	0	0	0	0	1
47	Others	Piyar	345	5	0	2	0	0
48	Others	Rori	37	0	0	0	0	0
49	Tectona Grandis	Sagwan	1	0	0	0	0	0
50	Shorea Robusta	Sakhua	9757	793	38	63	19	5
51	Others	Samshihar	6	0	0	0	0	0
52	Lagerstroemia Parviflora	Sidha	837	62	19	0	0	0
53	Bombax Ceiba	Simar	1	0	0	0	0	0

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54	Others	Sindur	2	0	0	0	0	0
55	Others	Taaj	1	0	0	0	0	0
56	Others	Tawar	1	0	0	0	0	0
57	Others	Tilai	1	0	0	0	0	0
Total			14825	1119	99	93	33	42
Sub Total (No of Trees.)			16211					

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

Major part of the area proposed for diversion lies in Rehabilitation cum Plantation Working Circle.

6. Brief note on vulnerability of the forest area to erosion :

Prone to erosion (To mitigate the resultant adverse impact a Soil and Moisture Conservation Plan must be prepared and implemented under the supervision of Latehar Forest Division)

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 :

Details of wildlife present in and around the forest land proposed for diversion :

(i). The area proposed for diversion is rich in faunal diversity. Elephant, Hyena, Mongoose, Wild boar, Jungle cat, Barking deer, Fox, Langur, Rhesus Macaque, Snakes, Birds etc. are present in and around the forest land proposed for diversion.

(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 : Yes

(a)Details of violation(s): Rail embakment and road.

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(b) Period of Work done(year) : 3




(c) Area of forest land involved in violation (in ha.) : 41.30





S. No.	Name of person responsible for violation	Designation & Address of person responsible for violation	Action taken against the person responsible for violation
1	Avnish Kumar	Project Officer PO CCL Magadh Project Tandwa Chatra	Forest offence has been registered
2	Jaynarayan Lakda	Siding Incharge CCL Magadh Project Tandwa Chatra	Forest offence has been registered
3	Pradeep Upadhayay	Transporter CCL Magadh Project Tandwa Chatra	Forest offence has been registered
4	Mujamil Hussain	Transporter CCL Magadh Project Tandwa Chatra	Forest offence has been registered
5	Somen Kumar Dev	Dy General Manager MS RITES Ltd	Forest offence has been registered
6	M M Akbari	Sr Dy General Manager MS RITES Ltd	Forest offence has been registered
7	Krishna Yadav	Site Engineer MS RITES Ltd	Forest offence has been registered
8	Vaibhav Jain	Director MS Royal ITL JV	Forest offence has been registered
9	Niranjan Kumar	Site In Charge MS Royal ITL JV	Forest offence has been registered

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




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): 459.35318

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	1	74.21	Sukri	balumath	BALUMATH 135	 View file
2	2	66.88	Lalgari	balumath	Balumath 136	 View file
3	3	46.04	Balu	balumath	Balumath 100	 View file
4	4	21.43	Balu	balumath	Balumath 100	 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 Part-II
2		Forest Land authenticated
3		Offline Part-II

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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	24	1930.90	16/04/2024	1761.65	0
2	Latehar	379068	162745	872.883	17	1920.54	22/06/2024	1395.72	127.09

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	One		06/04/2024
Latehar	Daltonganj	DFO	Yes	One		23/07/2024

(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	User agency has explored two alternatives apart from proposed alignment, and the proposed alignment was found to be most feasible as the other alternatives were found to be bearing coal, having greater area of forest patch involved and greater environmental impact compared to the proposed alignment. Hence, the forest land diversion with proposed alignment is recommended	 Prawesh Agrawal I.F.S. Divisional Forest Officer Latehar Forest Division	

				subject to mitigative measures.		
Latehar	Daltonganj	DFO	Recommended	Based on a thorough cost benefit analysis of the project vis à vis the landscape dynamics, to balance the trade off between ecological security and energy security while ensuring that both the interests go hand in hand in a sustainable manner, the proposal submitted by CCL of the diversion of 104.28 Ha forest land under Forest Conservation Act, 1980 for Magadh Railway Siding is recommended with specific conditions as mentioned in Recommendation of DFO Latehar.		

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Divisional Forest Officer
Latehar Forest Division