

PART- II

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

State Serial No. of proposal: OR-005/2021

Proposal No. Proposal No. No. FP/OR/MIN/59166/2020.

1. Location of the project/scheme: Odisha.

Sl. No.	Location of the Project/Scheme	Seeking prior approval of Central Government under section 2 of the forest conservation Act, 1980 for Diversion of 193.845 ha Forest land for Balram Open Cast coal mining projects of Hingula Area of Mahanadi Coalfields Limited.
i	State/Union territory	Odisha
ii	District	Angul
iii	Forest Division	Angul Forest Division
iv	Area of forest land proposed for diversion (in ha.)	193.845 HA.
v.	Category of the proposal	Mining

2. Legal status of forest land proposed for diversion:

Sl. No.	Division	Forest Land (ha.)	Legal status	
1	Angul	193.845	Reserve Forest	149.620
			Revenue Forest	0.129
			DLC Forest	44.096
			Total Forest	193.845
Total		193.845	193.845	

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

Sl. No.	District	Area (in ha.)
1	Angul	193.845
Total		193.845

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

(i) Density of Vegetation

Sl. No.	Area in Ha.	Density	Eco-Class
1	193.845	0.1 – 0.4	III

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

Sl. No.	Scientific Name	Local Name	(0-60) cm	(61-90) cm	(91-120) cm	(121-150) cm	(>-150) cm	Total
1	<i>Acacia auriculoformis</i>	Acasia	3	14	7	0		24
2	<i>Mangifera Indica</i>	Amba	5	3	5	5	4	22
3	<i>Emblica officinalis</i>	Amla	3					3
4	<i>Morinda tinctoria</i>	Anchhu	41	1				42
5	<i>Alangiumlamarckii</i>	Ankula	50	5	1			56
6	<i>Terminalia arjuna</i>	Arjuna	5	1				6
7	<i>Terminalia tomentosa</i>	Asana	84	3	2			89
8	<i>Ficus religiosa</i>	Aswoatho	1	1				2
9	<i>Terminalia belerica</i>	Bahada	5					5
10	<i>Crataeva religiosa</i>	Bamuru		1				1
11	<i>Zizyphus jujuba</i>	Banra	10	1				11
12	<i>Ficus bengalensis</i>	Bara	2	2	2			6
13	<i>Delbergiapaniculata</i>	Barabakuli	11	1	1	1		14
14	<i>Aegle marmelos</i>	Bela	10	5				15

15	<i>Semicarpus anacardium</i>	Bhalla	4	1				5
16	<i>Chloroxylon swietenia</i>	Veru	7	1				8
17	<i>Flacourtia indica</i>	Bhuincha	28	5	2			35
18	<i>Pterocarpus marsupium</i>	Bija	13		1			14
19	<i>Cassia siamea</i>	Chakunda	620	281	80	13	17	1011
20	<i>Buchananialanzan</i>	Chara	18					18
21	<i>Elaedendron glaucum</i>	Chulla	10	1				11
22	<i>Canthiumdidymum</i>	Dalsingha	5					5
23	<i>Grewia tilaefolia</i>	Dhaman	7					7
24	<i>Anogeissus latifolia</i>	Dhaura	871	18				889
25	<i>Anogeissus acuminata</i>	Fasi	40	18	2			60
26	<i>Acacia leucophloea</i>	Gohira	2					2
27	<i>Diospyros Montana</i>	Halada	1					1
28	<i>Syzigiumcuminii</i>	Jamu	76	2	1			79
29	<i>Anthocephaluscadamba</i>	Kadamba	7	4	2	1		14
30	<i>Feronia limonia</i>	Kaitha		2				2
31	<i>Zyzyphusoenoplia</i>	Kantamaricha	1					1
32	<i>Pongamia glabra</i>	Karanja	676	71	4	4		755
		Karada	1					1
33	<i>Bridelia retusa</i>	Kasi	26	9	1			36
34	<i>Diospyros melanoxylon</i>	Kendu	278	28	18	10	5	339
35	<i>Casearia elliptica</i>	Khakada	68	15	1			84
36	<i>Mymusposhexendra</i>	Khairakanchan	13	1				14
37	<i>Delonix regia</i>	Krushnachuda	123	32	7	1		163
38	<i>Madhuca indica</i>	Mahula	17	1	1			19
39	<i>Lanea grandis</i>	Moi	79	12	2			93
40	<i>Smilax macrophylla</i>	Muturia	1					1
41	<i>Azadirachta indica</i>	Neem	568	208	33	3		812
42	<i>Butea monosperma</i>	Palasa	104	33	9			146
43	<i>Garuga pinnata</i>	Patmasu	48	12	2	1	1	64
44	<i>Eucalyptus</i>	Patas	4	16	31	18	2	71
45	<i>Psidium guajava</i>	Pijuli	1					1

46	<i>Soymida febrifuga</i>	Rahuni	3					3
47	<i>Tectona grandis</i>	Saguan	41					41
48	<i>Ipomoea batatas</i>	Sakarakanda	6	5	2	1		14
49	<i>Shorea robusta</i>	Sal	65	12	1			78
50	<i>Bombax ceiba</i>	Simili	33	10	2	1		46
51	<i>Dalbergia latifolia</i>	Sisoo	34	11				45
52	<i>Albizia procera</i>	Surisia	55	45	10	6	23	139
53	<i>Cassia fistula</i>	Sunari	15					15
54	<i>Borassus flabellifer</i>	Tamula	1					1
		Total	4200	892	230	65	52	5439
55		Bamboo	40094	67987	97657	267760	0	473498

5. **Working Plan prescription for the forest land proposed for diversion:** Rehabilitation Working Circle Talcher Rehabilitation Treatment, Series Coupe No. TAL - X
6. **Brief note on vulnerability of the forest area to erosion:** Area to be diverted is mainly prone to sheet erosion and at some place gully erosion. (Enclosure - 1)
7. **Approximate distance of the proposed site for diversion from boundary of forest.** Proposed site is Reserve Forest so, not applicable.
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:	Fauna	Birds
		Wild Boar (Sus scrofa)	Indian penfowl (Pavocristatus)
		Barking Deer (Muntiacus)	Blue jay (Cyanocitta cristata)
		Indian Hare (Leporidae)	Egretta (novaehollandiae)
		Langur	Kingfisher

		(Semnopithecus)	(Alcedinidae)
		Jackal (Canis aureus)	Drongo (Dicruridae)
(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, 10 Kms. 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 1.0 Km from boundary of the forest land proposed for diversion :	The ML area of Balaram OCP in Hingula Area of Mahanadi Coalfields Limited in Angul District of Odisha is at a distance of 8.04 Kms from Kanheijena –Anantapur Elephant Corridor and 29.1 Kms from Satakosia WLS/ Tiger Reserve.	
(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 located in the area :	No However, Hingula Temple important monument is 350 Mtrs. from the proposed mine boundary.
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10. Comment as to the reasonability of the extent of the forest land proposed for diversion :

(i)	Whether the requirement of the forest land as proposed by the User Agency is unavoidable and bare minimum for the project.	Yes Undertaking enclosed in the diversion proposal.
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11. Details of violations (s) , if any , committed:

(i)	Whether any work in violation of the Act or guidelines issued under the Act has been carried out :	No
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12. Whether work in violation is still in progress (Yes/No) : Not applicable

13. Details of Compensatory Afforestation Scheme :

(i)	Patch wise details for degraded area (to be earmarked by DFO) :							
		Sl. No.	Patch No.	Area in Ha.	Name of Reserve Forest	Name Range/ Division	Com pt. No.	Proposed CA amount (in Rs.)
		1	1	270.452	Dolia	Mohabiroad/ Dhenkanal	1	162661100
		2	2	116.88	Anantapur	Mohabiroad/ Dhenkanal	23	
		Total		387.332				Rs. 162661100/-
Cost of one Scorpio Vehicle to be used by DFO Dhenkanal, Division for Supervision and protection work Rs. 17,00,000,00								
Fuel, Maintenance & Charge of Driver Rs. 25,000/- per month for 10 years i.e. Rs. 25,000 X 12 X 10= Rs. 30,00,000,00								
Grand Total Rs. 16,73,61,100								

(ii) Total financial outlay for Compensatory Afforestation (in Lakhs) :

Sl. No.	Patch No.	Area in Ha.	Name of RF/PF	Name Range/ Division	Com pt. No.	Uploaded KML file of the patch
1	1	270.452	Dolia Reserve Forest	Mohabiroad/ Dhenkanal	1	Enclosed
2	2	116.88	Anantapur Reserve Forest	Mohabiroad/ Dhenkanal	23	
Total		387.332				

(iii)	Copy of Compensatory Afforestation Scheme details:	Copy enclosed in the diversion proposal.
(iv)	Scanned copy of the Geo-referenced map of the forest land proposed for Compensatory Afforestation prepared by using DGPS or total station :	Copy enclosed in the diversion proposal.

(v)	Copy of survey of India TOPO sheet indicating forest land proposed for Compensatory Afforestation :	Copy enclosed in the diversion proposal.
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(vi)	Copy of NOC from Competent Authority :	<p>As per condition A (1). Compensatory afforestation laid by Government of India, Ministry of Environment, Forests and Climate Change, File No. 8-07/2020-FC Dated 12th March, 2021 while according 'in-principle' approval under Section – 2 of the FCA, 1980 which reads:</p> <p>(i) The proposal for CA on notified forest under the control of the Forest Department was accepted. Nodal Officer shall give a certificate that no afforestation/plantation has been taken up under any plan/programme/ scheme on the proposed CA land in the last ten years. However, given the fact that Talcher coal mining area involves very large forest area and the same would need to be properly compensated, future forest diversion proposal in the area will be accepted with CA on degraded notified forest area on the following conditions:</p>
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		<p>A. State Government issues a certificate that degraded forest land outside notified forests is not available for CA purpose, and</p> <p>B. Nodal officer certifies that no afforestation/ plantation has been taken up under any plan/programme in the degraded notified forest areas proposed for CA in the last 10 Years.</p> <p>In the instant case, User agency has proposed Compensatory Afforestation in Notified Forest Area in Dhenkanal Division with a request to consider the user Agency will hand over equal non-forest afforested area presently inside the acquired land of MCL in Odisha to State Forest Department within 10 years of Forest Clearance. Proposal of the User Agency may be considered.</p> <p>Site suitability for plantation on identified CA land in notified forest area has been attached in plantation scheme by the concerned DFO.</p>
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14. District profile

Sl. No.	Name of District	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 indication penal C.A. (in Ha.)	Non Forest land (in ha.)	Progress of Compensatory Afforestation as on (date)	A) Forest land (in Ha)	B) Non-Forest land (in Ha)
1	ANGUL	637500	271682	5243.232327	65	2437.81	3232.8406	30.09.2022	1339.43	953.9

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

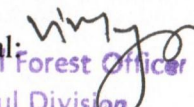
Division	Circle	Site inspected by	Whether site inspected	No. of times site visited	Site inspection report	Date of visit
Angul	Angul	DFO, Angul	Yes	One	enclosed	23.09.2022

16. Specify recommendation of the DFO/ CCF/ Nodal Officer for acceptance

Division	Circle	Recommendation by	Recommendation	Reason	Letter	Whether CF agreed
Angul	Angul	DFO, Angul	Proposal may be accepted with following measurers (among other conditions) (a) plantation of 10 times of trees felled in non-forest area of the project. (b) SMC, Site-specific and Regional WLMP to be implemented at the project cost. (c) View on CA scheme may be taken for properly compensating the loss of forest areas in the project.			

Signature

Name: Vivek Kumar

Official Seal: 
Divisional Forest Officer
Angul Division

Erosion Map of Proposed for Diversion of Balaram OCP for 3.845 ha Forest Land

