

PART- II

(To be filled by the concerned Deputy Conservator of Forests)
Proposal No. Proposal No. No. FP/OR/Min/153736/2022.

1. Location of the project/scheme: Odisha.

Sl. No.	Location of the Project/Scheme	Proposal for seeking approval of Central Government under section 2 of the forest conservation Act, 1980 for Diversion of 44.64 ha Forest land and 13.09 ha. of Lookalike forest (Total 57.73 ha.) for Coal Mining at Bharatpur Open Cast Expansion Project atBharatpur Area of Mahanadi Coalfield Limited of Angul District.
i	State/Union territory	Odisha
ii	District	Angul
iii	Forest Division	Angul Forest Division
iv	Area of forest land proposed for diversion (in ha.)	57.73 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	44.64	<table><tr><td>Rev. Forest</td><td>1.25</td></tr><tr><td>DLC Forest</td><td>43.39</td></tr><tr><td>Look alike Forest</td><td>13.09</td></tr><tr><td>Total</td><td>57.73</td></tr></table>	Rev. Forest	1.25	DLC Forest	43.39	Look alike Forest	13.09	Total	57.73
Rev. Forest	1.25										
DLC Forest	43.39										
Look alike Forest	13.09										
Total	57.73										
Total		57.73	57.73 Ha								

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

Sl. No.	District	Area (in ha.)
1	Angul	57.73

Total		57.73
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4. Details of vegetation available in the forest land proposed for diversion:

(i)	Density of Vegetation	Area in Ha.	Density	Eco-Class
	Sl. No.		0.35	(III)
	1	57.73		

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

Sl. No.	Scientific Name	Local Name	30-59		60-89		90-119		120-149		150 & up		Total		G.TOTAL
			S	U/S	S	U/S	S	U/S	S	U/S	S	U/S	S	U/S	
1	<i>Shorea robusta</i>	Sal	309	48	854	38	527	29	121	9	50	1	1861	125	1986
2	<i>Azadirachta indica</i>	Neem	18	3	7	1	4				1		30	4	34
3	<i>Buchanania lanzan</i>	Chara	69	6	41	2	10	0	2	0	0	0	122	8	130
4	<i>Madhuca indica</i>	Mahula	22	3	4	1	31	6	14	3	49	13	120	26	146
5	<i>Cassia Fistula</i>	Sunari	0	0	2	0	1	0	0	0	0	0	3	0	3
6	<i>Terminalia Bellirica</i>	Bahada	10	2	8	1	6	0	0	0	1	0	25	3	28
7	<i>Tamarindus indicus</i>	Tentuli	0	0	0	0	1	0	0	0	0	0	1	0	1
8	<i>Diospyros melanoxylon</i>	Kendu	34	4	88	6	58	5	24	3	9	0	213	18	231
9	<i>Pongamia pinnata</i>	Karanja	0	0	0	0	1	0	0	0	0	0	1	0	1
10	<i>Terminalia latata</i>	Asana	21	6	38	1	26	1	4	0	1	0	90	08	98
11	<i>Butea monosperma</i>	Palas	2	0	2	0	1	0	1	0	0	0	6	0	6
12	<i>Delonix regia</i>	Krushmachuda	0	0	2	0	0	0	0	0	0	0	2	0	2
13	<i>Senna occidentalis</i>	Chakunda	0	0	2	0	0	0	0	0	0	0	2	0	2
14	<i>Acacia Auriculaeformis</i>	Acacia	0	0	2	0	0	0	0	0	0	0	2	0	2
15	<i>Ficus racemosa</i>	Arjuna	0	0	1	0	0	0	0	0	0	0	1	0	1
16	<i>Mangifera indica</i>	Mango	2	0	9	0	4	2	4	0	35	4	54	6	60
17	<i>Lannea coromandelica</i>	Mai	5	1	2	1	1	1	0	0	0	0	8	2	10
18	<i>Terminalia Chebula</i>	Harida	5	2	3	1	1	1	0	0	1	1	10	3	13

19	Mimosopselangi	Baula	26	04	9	0	0	1	0	0	0	0	0	0	36	4	40
20	Ficus benghalensis	Bara	0	0	2	0	0	2	0	1	0	5	0	10	0	10	
21	Pterocarpus marsupium	Piyasaal	0	0	8	1	35	1	7	0	19	0	69	2		71	
22	Dalbergia sisoo	Sissoo	0	0	1	0	0	0	0	0	0	0	1	0		1	
23	Aegle marmelos	Bela	4	1	2	0	2	0	0	0	0	0	8	1		9	
24	Careyaarborea	Kumbhaye	6	2	3	1	3		1				13	3		16	
25	Caeseria elliptica	Khakada	3	0	3	0	0	0	0	0	0	0	3	0		6	
26	Lagestroemi parviflora	Sidha	2	0	3	0	2	0	1	0	0	0	8	0		8	
27	Pisidium guajava	Jamun	7	7	13	4	4	1	2	0	4	1	30	13		43	
28	Anogeissus latifolia	Dhaura	2	0	1	0	1	0	1	0	0	0	5	0		5	
29	Anacardium Occidentale	Valia	12	2	2	1	0	0	0	0	0	0	14	3		17	
30	Misc. Species	Local Name (Kashi, Ankula, Anvhu etc.)	11	0	4	0	2	0	0	0	0	0	17	0		17	
TOTAL			570	91	1116	59	724	45	183	15	175	19	2765	229		2997	

- i. Tree enumeration was carried out over entire scattered revenue forest patches and part enumeration was conducted over Revenue Forest patch with sal forest and lookalike forest. The total estimated trees over entire revenue forest proposed be diverted is 12,297 nos of trees (approximately).

5. **Working Plan prescription for the forest land proposed for diversion:** Proposed DLC forest land is not included in the working plan. The proposed forest to be diverted which is Revenue Forest land majorly comprising of DLC forest land. In the instant case, dense forest growth was visible over Government Non-Forest land and hence lookalike forest of 13.09 ha. is included in the proposal which is also attached as a map in the proposal.
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-I)- Diversion of Bangaru Jhar Nallah.
7. **Approximate distance of the proposed site for diversion from boundary of forest:** 08 Km. distance from the Kanhejina RF.

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:	<table><tr><th>Fauna</th><th>Birds</th></tr><tr><td>Wild Boar (<i>Suscrofa</i>)</td><td>Pea fowl (<i>Pavocristatus</i>)</td></tr><tr><td>Barking Deer (<i>Muntiacus</i>)</td><td>Indian Roller (<i>Coracias benghalensis</i>)</td></tr><tr><td>Indian Hare <i>Leporidae</i>)</td><td>Cattle Egret (<i>Bubulsus ibis</i>)</td></tr><tr><td>Elephant (<i>Elephant maximus</i>)</td><td>Common Kingfisher (<i>Alceo atthis</i>)</td></tr><tr><td>Langur(<i>Semnopithecus</i>)</td><td>Drongo (<i>Dicrurusadsimilis</i>)</td></tr><tr><td>Jackal (<i>Canisaureus</i>)</td><td></td></tr></table>	Fauna	Birds	Wild Boar (<i>Suscrofa</i>)	Pea fowl (<i>Pavocristatus</i>)	Barking Deer (<i>Muntiacus</i>)	Indian Roller (<i>Coracias benghalensis</i>)	Indian Hare <i>Leporidae</i>)	Cattle Egret (<i>Bubulsus ibis</i>)	Elephant (<i>Elephant maximus</i>)	Common Kingfisher (<i>Alceo atthis</i>)	Langur(<i>Semnopithecus</i>)	Drongo (<i>Dicrurusadsimilis</i>)	Jackal (<i>Canisaureus</i>)	
Fauna	Birds															
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Jackal (<i>Canisaureus</i>)																
(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 M.L area of Bharatpur OCP in Bharatpur Area of MCL in Angul district of Odisha is at a distance of 7.56 kms from Kanheijena – Anantpur Elephant Corridor and 28.4 Kms from Satkosia WLS/ Tiger Reserve.														

(v)	Whether any rare/ endangered / unique species of flora and fauna found in the area:	No
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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
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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) :						
		Patch No.	Area in Ha.	Name of Reserve Forest	Range/ Division	Comp. No.	Proposed CA Amount In Rs.
		1	43.519	Sunajhari R.F	Bhuban/ Dhenkanal	6	5,50,53,138/-
		2	72.462	Ramei R.F	Sadangi/ Dhenkanal	2	
		Total	115.981				5,50,53,138/-

It has been requested to consider compensatory afforestation in degraded notified forest area identified in Dhenkanal Division along with undertaking that biologically reclaimed non-forest land of at least equivalent forest area from already acquired lands of the MCL will be handed over to the Forest Department after Stage-II approval. Details are mentioned in SN “(vi) Copy of NOC from Competent Authority” below and in the proposal.

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

Sl. No.	Patch No.	Area in Ha.	Name of RF/PF/Village	Name Range	Com pt. No./ Khata No.	Plot No.	Uploaded KML file of the patch	Financial Outlay in Rs.
1	1	43.519	Sunajhari R.F	Bhuban/ Dhenkanal	6	NA	Yes	5,50,53,138/-
2	2	72.462	Ramei R.F	Sadangi/ Dhenkanal	2	NA	Yes	
(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.
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(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: 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: (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: A. State Government issues a certificate that degraded forest land outside notified forests is not available for CA purpose, and 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. In the instant case, User agency has proposed Compensatory Afforestation in Notified Forest Area in Dhenkanal Division. The user agency has also identified equivalent biologically reclaimed non-forest land to handover to State Forest department. The identified sites marked in the surface plan along with KML file are attached. The proposal of the user agency may be considered. (Enclosure-II) Site suitability for plantation on identified CA land in notified forest area has been attached in plantation scheme by the DFO, Dhenkanal.
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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.)	Progress of Compensatory Afforestation as on (date)	A) Forest land (in Ha)	B) Non-Forest land (in Ha)
1	ANGUL	637500	271682	5522.39	69	2437.81	30.09.2023	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	23.08.2023	23.08.2023

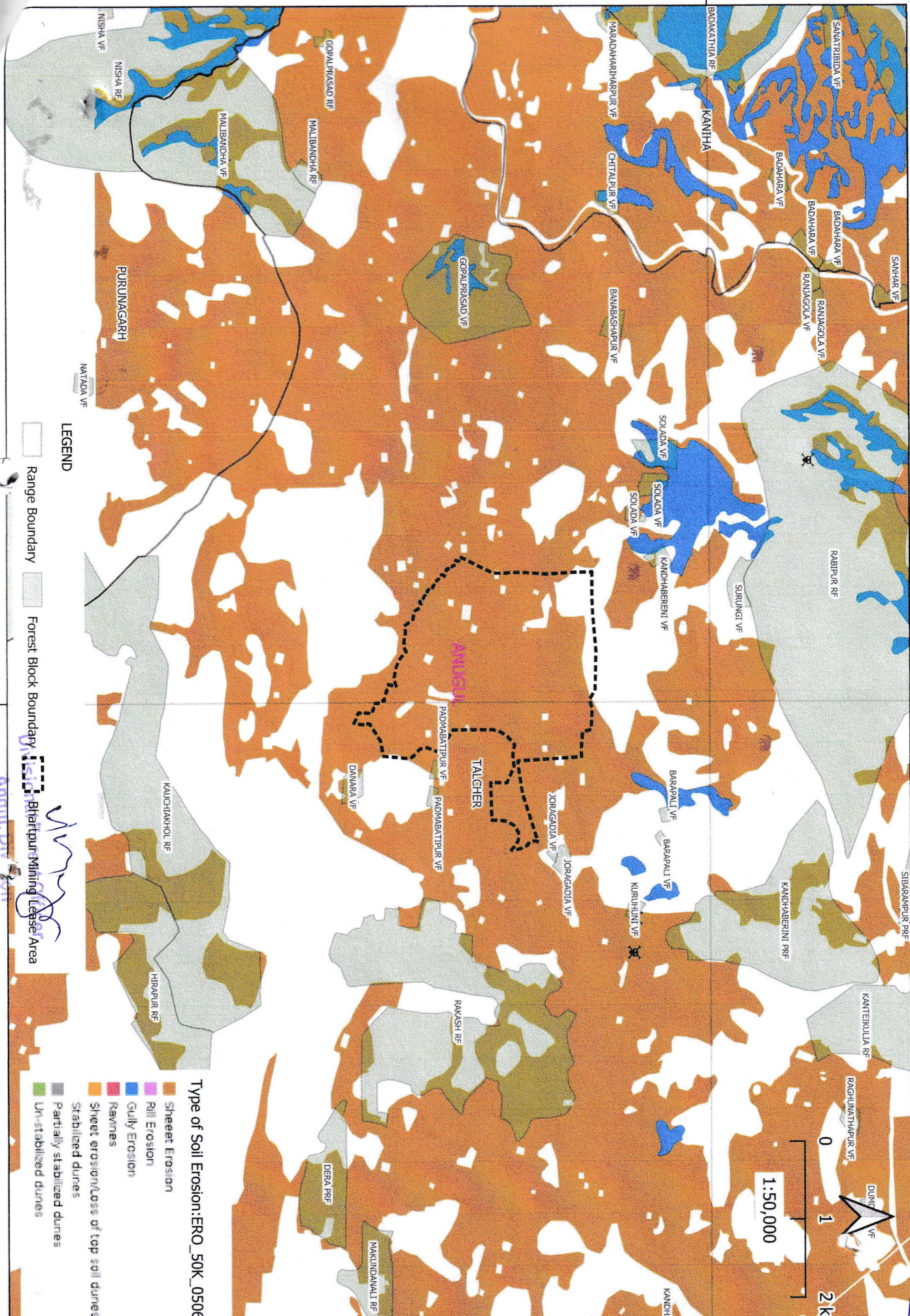
16. Specify recommendation of the DFO/ CCF/ Nodal Officer for acceptance

Division	Circle	Recommendation by	Recommendation	Reason	Letter	Whether CF agreed
Angul	Angul	DFO, Angul	The proposal is recommended with the following conditions: - i) Bangaru Jhor/ nallah is flowing through the expansion mine lease area. The user agency should prepare and implement proper diversion plan of the nallah with proper conservation measures of its catchment area. ii) Soil and Moisture Conservation Plan over equivalent mine lease area in the catchment of Bangaru Jhar or Brahamani River should be prepared & implemented by forest department at			

M- showing Type of Soil Erosion around the project

85.10

Enclosure - 01



Type of Soil Erosion:ERO_50K_0500

Sheet Erosion

Rill Erosion

Gully Erosion

Ravines

Sheet erosion/loss of top soil dunes

Stabilized dunes

Partially stabilized dunes

Un-stabilized dunes

Range Boundary

Forest Block Boundary

Bharti Pur Mining Lease Area

85.10

Angur, Div