

(See Rule 6)
FORM – 'A'

**Form for seeking prior approval under section-2 of the proposal by the state government
and other authorities**

PART I

(To be filled up by the User Agency)

1. PROJECT DETAILS

- (i) **Short narrative of the proposal & project/ scheme for which forest land is required.**

Radhikapur (West) Coal Block is situated in the Western most end of Talcher Coal field, in Chhendipada Tehsil of Angul District, with limiting Latitude of 20°57'28" – 20°59'42" North and Longitude of 84°51'00" – 84°54'47" East and forms part of Survey of India Topo sheet no 73-D/13 on a scale of 1: 50,000. The Block has been allocated jointly to M/s Rungta Mines Ltd, M/s Ocean Ispat Pvt Ltd and M/s OCL India Ltd by Ministry of Coal vide their letter no 13016/33/2005-CA-I dated 25/04/2006 and 13016/77/2006-CA-I dated 21/12/2009 (Annexure I respectively)-who in turn have formed a Joint Venture Company named M/s.Radhikapur (West) Coal Mining Pvt. Ltd.

The mining lease application for allocated block area for a period of 30 years has been submitted to Govt. of Odisha through Deputy Collector Angul on 08/10/2010 (D Form at Annexure – 3).

The block covers an area of 10.48 sq km in 8 (eight) villages like Barapada, Kusakila, Naupada, Kusakila Jungle Bar, Jhintipal, Putagadia, Balipata and Kosala in Chhendipada Tehsil of Angul District. Out of the total lease area of 1048 hectares i.e. 2589.608 Acres – the revenue forest (Gramya Jungle chhota jungle , Bada Jungle & Sabik Jungle) is 91.9292 hect i.e. 227.157 acres and scattered over whole of the property. The maximum extent of the block along trike direction (East-West) is 4.8 km that along dip direction is 3.5 km.

Out of total forest land of 91.9292 hect in the block area, **86.972** hect need forest diversion excluding 4.957 hector of forest land in safety zone.

There are no Reserved or Protected Forests in the lease area. The area also does not include protected areas like National park / Wildlife Sanctuary / Biosphere Reserve/ Tiger Reserve / Elephant Reserve or Elephant Corridor. The applied area also does not include places of Archeological importance.

The grade of the coal varies from D to G with total net geological reserves as 288.44 mt. The rated capacity of the mine is 6 MT/yr with a life of 25 yrs for opencast operations and 41 yrs for underground operations. **The underground operations will be underneath the opencast operations and no new area will be broken /affected.**

The Block has been allocated to Joint Venture Partners to meet the requirement of coal for their Steel, Cement and Captive Power plants located in the State of Odisha.

The project will transform the economy of the area by generating direct employment to 1702 persons and double this number as indirect employment – bulk of which would go to local inhabitants.

The diversion proposal in Form-A in the prescribed format under F.C. Rules 2003 is being submitted for seeking approval for diversion of 86.972 ha. of Forest land under section-2 of the F. C. Act 1980 for utilization of mining and allied activities.

- (ii) **Map showing the required forest land boundary of adjoining forest on a 1: 50,000 scale.**

Toposheet No 73D/13 enclosed as plate No 1

- (iii) **Cost of the Project** – The Total cost of the project is Rs 600 crores exclusive of other statutory cost of compensatory afforestation, NPV, Safety Zone Management, cost of wild life management and royalty of trees etc

- (iv) **Justification for locating the project in Forest Area**

- The mining is a site specific industry and can be undertaken only where there is occurrence of concerned mineral / rock and in this case ‘coal’.
- The block area has been allocated by a high level committee constituted by Govt. of India for the purpose and after scrutinizing various options coupled with need and requirement of raw material i.e. coal.
- Lastly there is neither Reserve nor Protected forests in the area. The “Gramya Jungle” has very thin tree density.

Notwithstanding above, project proposes to have phase-wise reclamation of the used up area by plantation of native tree species in close consultation with the Forest Dep’t. - Not only to restore but substantially enhance the greenery and canopy density in the area (Annexure - 20). In addition, Compensatory Afforestation has also been taken up in suitable non forest govt.

(v) **Cost – Benefit Analysis** – Enclosed at Annexure – 23

(vi) **Employment likely to be generated**

It is expected that about 1702 persons, predominately local persons will be employed and will be earning their livelihood when mining activities are in full swing. In addition about twice this number would be indirectly employed in ancillary activities. This would also lead to peripheral development of the surrounding villages / areas on account of health, education, recreational, sports facilities being created / sponsored by the project – leading to overall improvement in quality of life of the local and surrounding population in general.

2. Purpose wise break-up of the total land required.

The project requires 1048.00 ha. of land out of which 91.9292 Ha.(including sabik forest) is forest land .The purpose wise break-up of virgin forestland required for project is given in Table – 1. The details of Land Schedule are given in Vol. – II and summarized Land Schedule is at Annexure – 5. The forest area asked for diversion is based on actual requirement to meet the annual production target as per Mining Plan considered by Ministry of Coal to feed our own DRI Plants and Power Plants.

Coal Washery is proposed to be installed within the Mining Block for quality up gradation, simultaneously with mining operations. No separate virgin forest land is required for this purpose.

A 50m wide strip of land along Singhara Jore which forms northern and western boundary of the block and 7.5 m wide strip along rest of the block boundary will be maintained as safety zone – totaling to 40.908 ha of land including 4.957 hect. of forest land.

The detailed break-up of land required for various purposes is given in Table – 1

SL No.	Purpose	Forest Land(in Ha.)				Total Forest (in Ha.)	Non-forest land (in Ha.)	Grand total (in Ha.)
		Revenue	R.F.	Sabik	DLC			
1	Mining / Quarrying	34.431		1.237	0.356	36.025	714.339	750.364
2	Overburden Dumping	18.879				18.879	81.121	100.000
3	Top Soil Dump						5.000	5.000
4	Road	2.529		0.628		3.157	8.843	12.000
5	Raw Coal Stack						8.000	8.000
6	Reject Stack	2.048				2.048	---	2.048
7	Washed Coal Stack	1.174				1.174	4.826	6.000
8	Washery Site	2.165				2.165	7.835	10.000
9	Settling Pond	1.500				1.500	4.000	5.500
10	Unloading Platform	0.097				0.097	1.072	1.169
11	Underground Entry						2.784	2.784
12	Pit Head Office						0.295	0.295
13	G.M. Office						0.485	0.485
14	Dispensary			0.595		0.595	---	0.595
15	V. T. Centre						1.007	1.007
16	Canteen						0.097	0.097
17	Parking						0.421	0.421
18	Dumper Repair Space	0.959				0.959	3.594	4.553
19	Sub-Station	0.048				0.048	---	0.048
20	Explosive Magazine						0.200	0.200
21	Green belt	15.855		4.470		20.325	76.201	96.526
	Sub-Total	79.685		6.930	0.3562	86.972	920.120	1007.092
23	Safety Zone	4.403		.554		4.957	35.951	40.908
	GRAND TOTAL	84.088		7.484	0.3562	91.929	956.071	1048.000

3. Details of displacement of people due to the project if any

No of families	1010 Original + 672 sub Family =1682 families
Number of Schedule Cast and Schedule Tribe families	194+91=285
Rehabilitation Plan	The R&R Policy of Govt. of Odisha will be followed. The company's R&R policy – which is in consonance with Govt. of Odisha's policy, is at Annexure 35 .

4. Whether clearance under environment (protection) act. 1986 required? (yes/no)
Yes. Clearances under Environment (Protection) Act. 1986 is required for which MoEF has issued TOR Vide their Letter No J-11015/30/2011-1A-II(M) dated 30/05.2011 enclosed as Annexure-8, Public hearing has also been conducted and send to govt. of India by letter No.2344 dated 1/12/2011 enclosed as annexure -9
5. Undertaking to bear the cost of raising and maintenance of compensatory afforestation and / or penal compensatory afforestation as well as cost for protection and generation of safety zone etc. As per undertaking to be enclosed

Undertaking is enclosed as Annexure-6

6. Details of certificates / documents enclosed as required under instructions

A. List of Certificates and Documents

Sl No	List of documents	Annexure	Page No.
1	Copy of Block allocation letter no. 13016/33/2005-CA-I dated 25/04/2006 & 13016/77/2006-CA-I dated 21/12/2009 – by Ministry of Coal, Govt. of India.	– Annexure – 1	13-18
2	Radhikapur (W) Coal Mining Pvt. Ltd. – an Overview and Profile of JV Partners.	– Annexure – 2	19-20
3	Copy of ‘D’ Form – Receipt of M. L. application by Dy Collector, Angul	– Annexure – 3	21
4	Boundary description of M. L. area certified by Deputy Director of Mines Talcher.	– Annexure – 4	22-26
5	Summarized Land Schedule of Block Area as certified by Chhendipada Tehsildar.(Detailed L S enclosed as separate volume)	– Annexure – 5	27-27
6	Undertaking by the lessee to bear the cost of Compensatory Afforestation and Net Present Value and other if any	– Annexure - 6	28-28
7	Copy of letter of approved mining plan by MoC	– Annexure – 7	29-33
8	Copy of TOR issued by govt. of India, MoEF.	– Annexure – 8	34-39
9	Copy of public hearing proceeding dated 30-11-2011	– Annexure – 9	40-57
10	Letter of Consent to establish	– Annexure – 10	58-68
11	IPICOL letter to IDCO for Land Acquisition	– Annexure – 11	69-72
12	IDCO letter to govt. department of steel and Mines for Administrative Approval	– Annexure – 12	73-79
13	Copy of Incorporation of the Company	– Annexure – 13	80
14	Memorandum and Article of Association.	– Annexure – 14	81-118
15	Copy of Power of Attorney issued by the User Agency.	– Annexure – 15	119-123
16	Undertaking about minimum use of Forest Land.	– Annexure – 16	124
17	Copy of Letter to central Ground Water Authority for withdrawal of water	– Annexure – 17	125
18	Comparison statement of hal Sabik record provided by Tahasildar	– Annexure – 18	126-152

19	Brief Profile of Lease	– Annexure – 19	153
20	Phased Reclamation and Afforestation Programme.	– Annexure – 20	154-161
21	Parameters for evaluation of Loss of Forest	– Annexure – 21	162
22	Parameters for evaluation of Benefits not withstanding Loss of Forest.	– Annexure – 22	163
23	Cost Benefit Analysis Ratio	– Annexure – 23	164
24	Species wise and diameter class wise enumeration list of trees	– Annexure – 24	165-166
25	Unit Calculation	– Annexure – 25	167-168
26	Density Calculation	– Annexure – 26	168(A)
27	Land schedule of compensatory area.	– Annexure – 27	169
28	Boundary Description of compensatory area.	– Annexure – 28	170
29	Field Note of compensatory area.	– Annexure – 29	171-172
30	Compensatory afforestation scheme	– Annexure – 30	173-188
31	Non encroachment and non-encumbrances certificate on CA by Tahasildar Angul.	– Annexure – 31	189
32	Suitability certificate of DFO Angul on Non forest land identified for Compensatory area.	– Annexure – 32	190
33	Site inspection of DFO Angul forest division	– Annexure – 33	191-192
34	Basic information /District Profile/state Profile	– Annexure – 34	193
35	Rehabilitation and Resettlement Policy for the Project Affected / Displaced families of Radhikapur (W) Coal Project.	– Annexure – 35	194-260
36	Undertaking to submit Certificate from Collector under Forest Right Act 2006	– Annexure – 36	161-358
37	Certificate from ORSAC with map & Co-Ordinate in shape file.	– Annexure – 37	

B. List of Maps

<i>Sl. No</i>	<i>Description</i>	<i>Scale</i>	<i>Plate No</i>
I.	Key Plan on Toposheet No. 73D/13	RF 1:50000	Plate – 01
II.	Location Plan	RF 1:50000	Plate – 02
III.	Lease Plan	RF 1:4000	Plate – 03
IV.	Safety Zone Plan	RF 1:8000	Plate – 04
V.	Land Use Plan	RF 1:8000	Plate – 05
VI.	Reclamation Plan	RF 1:8000	Plate – 06
VII.	Geological Plan	RF 1:8000	Plate – 07
VIII	Map showing the sample plot for tree enumeration,	RF 1:8000	Plate – 08
IX	Compensatory Afforestation Map	RF 1:4000	Plate – 09
X	Compensatory Afforestation Map	RF 1:50000	Plate – 10
XI	Geo Referencing Map	RF 1:4000	Plate – 11
XII	Village Map showing Forest Area	RF 1:4000	Plate – 12

Date
06/05/2011

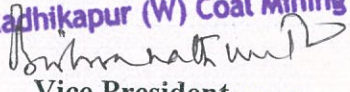
Signature

Name in Block letter B. N Mitra

Designation

Address
(User Agency)

For Radhikapur (W) Coal Mining Pvt. Ltd.


Vice President
Authorized Signatory

Radhikapur (W) Coal Mining Pvt. Ltd
Amlapada 6th Lane
Angul

State Serial No of Proposal 487/2011 dated 01/06/2011
(To be filled up by Nodal Officer with date of receipt)