

FORM – “A”

PART- I

(To be filled up by the user Agency)

Along with the linked annexure of Para- I(ii), I(V), 5 & 6,
Inclusive of Para 4 & 6 of INSTRUCTIONS (for Part – I)
Compiled & attached at the end.

**FORM FOR SEEKING PRIOR APPROVAL UNDER SECTION 2 OF THE
PROPOSALS BY THE STATE GOVERNMENTS AND OTHER
AUTHORITIES**

SEE RULE – 6 of the Forest (Conservation) Rules, 2003 (Submission in the recently prescribed 'FORM- 'A' by MOEF, Government of India for proposal seeking first time approval under the Act)

FORM-'A'

**FOREST DIVERSION PROPOSAL FOR CHAKLA COAL BLOCK
OF M/s. ESSAR POWER (JHARKHAND) LIMITED**

PART-I

1) Project Details :	Particular
(i) Short narrative of the Proposal and Project / Scheme for which the forest land is required.	<p>Essar Group is a globally diversified conglomerate with business interest in Steel, Energy, Power, Communication, Shipping, Logistics and Construction.</p> <p>M/s Essar Power (Jharkhand) Limited is a fully owned subsidiary company of M/s ESSAR POWER LIMITED, Essar House, 11, K.K.Marg, Mahalaxmi, Mumbai 400034. M/s. Essar Power Ltd. - the company has been allotted CHAKLA COAL BLOCK in C.C.L command area by the Ministry of Coal (Government of India) vide letter number – 38011/11/2006-CA-I (Part) dated 20-02-2007 to meet the captive requirement of the proposed Thermal Power Plant namely Tori Thermal Power Plant at Tori in District Latehar, Jharkhand. The proposed capacity of Power Plant is 1200 MW. The Coal Block covers an area of about 856.99 hectares having 711.40 Lakh tonnes of mineable reserve of coal (mostly F & G grades). The CHAKLA COAL BLOCK is a part of South Dhadhu Block in the western part of the North Karanpura Coalfield of Central Coalfield limited. It is bounded by Latitude 23⁰43'03" to 23⁰44'55" N & Longitude 84⁰47'23" E to 84⁰50'18"E in Toposheet no.-73 A/14 of Survey of India. The village falling inside the allotted coal Block is Chakla (Thana: Chandwa-238), whereas villages around it are Amwatanr, Haraiyatoli, Purunapani, Dhadhu, Nawatoli and Mahuatn. The rated capacity of mining from the allotted coal block is</p>



4.5 million (45Lakh) tonnes per annum considering the total requirement of coal for the proposed Power Plant of 1200 MW at Tori by Essar Power (Jharkhand) Limited in the Dist. Latehar. The total coal produced from the allotted coal block is basket linked to meet the requirement of the proposed Power Plant at Tori. Therefore, the diversion of forest land as demanded in the proposal within the allocated area bears reasonable justification. The Coal Block is situated in Chandwa Forest Range of Latehar Forest Division (Jharkhand). The present land use pattern under different legal ownership are:

Sl.No	Particulars	Area in Ha
1	Notified Forest land	401.78 Ha
2	Gair Mazarua land Khas Govt Land with no jungle-jhari	69.07 Ha
3	Gair Mazarua. Land Aam (Govt Land with no jungle-jhari	10.86 Ha
4	Gair Mazarua Land with jungle- Jhari	107.55 Ha
5	Private Land (Raiyati land + Bakast)	267.73 Ha
	TOTAL Mining Lease Area	856.99 Ha

The total coal reserves in the proposed mine area is as follows:

<u>Details of Coal Reserve</u>	
Proved coal Reserve	415.64 lakh tonnes
Probable coal reserve	415.37 lakh tonnes
Total Reserve	831.01 lakh tonnes
Mineable Reserve	711.40 lakh tonnes

(ii) Map Showing the required forest area, boundary of adjoining

: The map Showing the required forest area, boundary of adjoining forest on

(A) An original / scanned photocopy of Survey of India **Topo-sheet** map

PLATE No. I A

For ESSAR POWER (JHARKHAND) LTD.

forest and item wise break-up of the required forest area for different purposes (to be authenticated by an officer not below the rank of Deputy Conservator of Forest)	no 73A/14 on Scale R.F. 1:50000						
	(B) Index / Proposed Land Use Plan	PLATE No. I B					
	(C) Site / Location Plan	PLATE No. I C					
	(D) Map Showing Location of Chakla Coal Mining Project	PLATE No. I D					
	(E) Cadastral map showing forest land with boundary (6 in no.)	PLATE NO. 1E					
(iii) Total cost of the Project							
	<table border="1"> <thead> <tr> <th>S.No</th> <th>Particulars</th> <th>Amt. in Rs./Ha</th> </tr> </thead> <tbody> <tr> <td></td> <td>Total cost of the project</td> <td>650 Crores</td> </tr> </tbody> </table>	S.No	Particulars	Amt. in Rs./Ha		Total cost of the project	650 Crores
S.No	Particulars	Amt. in Rs./Ha					
	Total cost of the project	650 Crores					

For ESSAR POWER (JHARKHAND) LTD.



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(iv)
Justification for
locating the
Project in the
forest area
giving
alternatives
examined &
reasons for
their rejection

The Govt. of India has adopted the policy of encouraging private sectors into setting up of Independent Thermal Power Plants (IPP). Ministry of Coal (Govt. Of India) has ensured that such Thermal Power Plants will have dedicated captive mining blocks for meeting the requirement of such thermal power plants. Based on such policy Ministry of Coal (Govt. Of India) has allocated CHAKLA COAL BLOCK in C.C.L command Area (North Karanpura Coalfield) vide letter no 38011/11/2006-CA-I (Part) dated 20-02-2007 to M/s Essar Power Limited.. M/s. Essar Power (Jharkhand) Limited is setting up a coal based thermal power plant at Tori, dist Latehar in the Jharkhand state. The total installed capacity of the power plant will be 1800 MW (units of 600 MW each). An MOU has been signed between the M/S Essar Power (Jharkhand) Limited and State of Jharkhand. The allocated coal block is captive in nature and will meet the coal requirement of the said power plant The rich coal bearing zone of CHAKLA COAL BLOCK in C.C.L command Area (North Karanpura Coalfield) falls under Latehar district. The total land of the said coal block was acquired under CBA act 1957 by CCL and has already been transferred to M/S ESSAR Power (Jharkhand) limited. As per the condition laid down in the aforesaid letter M/s Essar Power (Jharkhand) Ltd is required to develop a mine to meet the requirement of their Thermal Power Plant in Latehar, Jharkhand. The Coal Block covers about **856.99** hectares of land having **711.4 Lakh tonnes** of mineable reserve of coal (mostly F & G grades).

The CHAKLA COAL BLOCK is a part of South Dhadhu Block and located in the western part of 'North Karanpura Coal Field' of Central coalfields Limited. It is bounded by Latitude 23°43'03" to 23°44'55" N & Longitude 84°47'23" E to 84°50'18"E in Toposheet no.-73 A/14 of survey of India. The coal Project area is situated within Chakla (Thana: Chandwa-238) only. The Coal Block is situated in Chandwa Forest Range of Latehar Forest Division (Jharkhand). Coal is a mineral and it occurs beneath the earth crust. The total land involved in this coal block is about **856.99 Ha**. Out of which **347.66 Ha** is non - forest land and **509.33 Ha** is forest/ deemed forest land. Therefore, **509.33 Ha of forest land** is involved in this project. To extract the mineral from the mineralized zone we have to excavate the land and forest involved in it. Accordingly, **forest diversion proposal for entire 509.33 Ha**

For ESSAR POWER (JHARKHAND) LTD.

of forest land is submitted (MoEF cir ref – F.No. 8-25/2010-FC & F.No. 11-362/2012-FC).

(v) Cost benefit Analysis (to be enclosed): Attached at the end of Part -1 & marked as **Annexure - 1** ;

(vi) Employment likely to be generated

Sl. no.	Categories	Total No. of employees	Yearly Salary in (Rs.Lakh)	Total value (Rs. lakhs)
1.	Technical	28	6.0	168.00
2.	Skilled	318	3.5	1113.00
3.	Semi skilled	213	2.2	468.60
4.	Unskilled	105	1.5	157.50
	Total	664		1907.10

Man Days in a year = 300 days

Total man days = 664 X 300 = 199200 days

**Total yearly payment = 1907.10 lakh
Say 1908 lakhs**



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

Sl. No.	Particulars	Notified Forest (In Ha)	G.M .land (In Ha)			Cultivated Agricultural Raiyati + Bakast Land (In Ha)with no jungle- jhari	Total of all types of lands within M.L. Area (sum of 3 +7)	Total Divertible (forest / deemed forest)area lying in M.L. Area in Hectares(3+4)
			Deemed Forest in G.M.land	G.M.Khas with no jungle - Jhari	G.M. Aam with no jungle - Jhari			
1	2	3	4	5	6	7	8	9
i)	Mining	338.46	50.03	20.04	4.44	113.64	526.61	388.49
ii)	O.B Dump & Top-soil storage	Nil	8.64	16.98	1.24	87.89	114.75	8.64
iii)	Roads	1.07	2.66	2.24	0.98	4.07	11.02	3.73
iv)	Labour Shed, Project Office & Other Infrastructure	0.00	0.00	1.52	0.00	3.19	4.71	0.00
	Eco-Park Green belt	8.75	0.00	0.00	0.00	0.00	8.75	8.75
	Workshop	0.00	0.00	0.34	0.21	2.66	3.21	0.00
	Dispensary,	0.00	0.00	0.00	0.00	1.38	1.38	0.00
	Coal Handling Plant(CHP)	0.00	0.00	0.00	0.46	3.36	3.82	0.00
v)	Nala Diversion Alignment Course	0.81	1.44	0.39	0.00	1.22	3.86	2.25
Vi)	Forest area not to be mined but included in FDP as per guidelines for diversion of forest land vide F.No. 11-362/2012, dated 01.02.2013	47.16	43.72	--	--	--	90.88	90.88
Sub-total (A)		396.25	106.49	41.51	7.33	217.41	768.99	502.74
Safety Zone Area(B)		5.53	1.06	--	--	--	6.59	6.59
Area Left Unused(C)		--	--	27.57	3.52	50.32	81.41	
Total (A+B+C)		401.78	107.55	69.08	10.85	267.73	856.99	
Total divertible Forest land (A+B)								509.33
Total Mining Lease Area (A+B)							856.99	

For ESSAR POWER (JHARKHAND) LTD.


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Total area to be diverted

A) From Notified forest - $396.25 + 5.53$ (Safety Zone) = 401.78 ha

B) From Deemed forest in GM Land- $106.49 + 1.06$ (Safety Zone) = 107.55 ha

Total 509.33 Ha

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<p>3) Details of displacement of the people due to the Project, if any</p>	<p>Detail of resettlement & rehabilitation of the displaced people due to the Project have been rapidly appraised in the Project area. In the mean time, the user agency undertakes to abide by the provision & policy of the State Government notification in this regard. Presently the forest area under diversion proposal doesn't have any settlement of human population within the area. However human settlement exists in Chakla village, which falls beyond the forest area to be diverted. Consent from the villagers is enclosed as Annexure-7</p>
<p>(i) Number of family</p>	<p>Total nos. of Project Affected Families is 211 (beyond forest area) (pg: X-20) Rapid Appraisal Report (RAP) of the project area is annexed at the end of part – I as Annexure - 2. The relevant R & R scheme has been prepared based on State Government R&R policy.</p>
<p>(ii) No. of scheduled cast Scheduled-Tribe families.</p>	<p>S.C. - 104 Families S.T. - 07 Families Total- 111 Families (pg: X-17, Annexure-2)</p>
<p>(iii) Rehabilitation Plan (to be enclosed)</p>	<p>RAP Report Enclosed as Annexure - 2</p>
<p>4) Whether clearance under Environment (Protection) Act, 1986 required?</p>	<p>The Ministry of Environment & Forest issued terms of Reference (TOR) for the proposed Chakla Coal Block vide its letter no.-J-11015/1072/2007-IA.II(M) dated 15-2-2008 for preparation of draft EIA-EMP Report. As per the TOR, public hearing was conducted on 29th June 2009. Minutes of the public hearing along with the recommendation of JSPCB was submitted to MoEF vide letter no <u>G1101</u> dt. 07-07-09 attached at Annexure- 8. The final report has been submitted to MoEF and final EC meeting held on 30.09.2010 and the Environmental Appraisal Committee (EAC) has recommended for grant of EC. Minutes of Meeting (MoM) is attached herewith as Annexure-8A (Grant of EC is pending for want of Forest Clearance).</p>
<p>5) Undertaking to bear the cost of raising and maintenance of compensatory afforestation as well as cost for protection and regeneration of Safety Zone etc. as per the scheme prepared by the State Government</p>	<p>Undertaking to bear the cost of raising and maintenance of compensatory afforestation & its allied stipulated conditions is attached & marked as Annexure - 3</p>

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6) Details of Certificates / documents enclosed as required under the instructions	PART	PARA WITH REFERENCE TO	PARTICULARS OF ANNEXURES (DOCUMENT AND MAPS) LINKED TO	
		1(ii)	<p>Location Map of the proposed Mining Lease area, showing the required forest land, boundary of adjoining forest on an original/Xerox copy of Topo-sheet (RF 1: 50,000) which is to be Authenticated by the concerned DCF.</p> <p>(A) An original / scanned photocopy of Survey of India Toposheet map on Scale R.F. 1:50000</p> <p>(B) Index / Proposed Land Use Plan</p> <p>(C) Site / Location Plan</p> <p>(D) Map Showing Location of Chakla Coal Mining Project</p> <p>(E) Cadastral map showing forest land with boundary (6 in no.)</p>	<p>PLATE No- IA</p> <p>PLATE No- IB</p> <p>PLATE No- IC</p> <p>PLATE No- ID</p> <p>PLATE No- IE</p>
		1(V)	Cost –benefit analysis	Annexure - 1
		5	RAP report for Chakla Coal Block	Annexure - 2
			Undertaking by the competent authority of User agency to bear the cost of all stipulated conditions imposed by the MoEF and other competent authorities.	Annexure - 3
		6	<p>Details of certificates/ documents enclosed as required under the instructions:</p> <p>(a) Certificate of justification for locating the coal mine in forest area issued by the competent authority</p> <p>(b) Safety zone management plan</p> <p>(c) Safety zone management scheme</p> <p>(e) Present Land Use Plan</p> <p>(f) Phased Eco- Reclamation Plan</p> <p>(g) Phased Eco- Reclamation / restoration scheme along with physical target and financial achievement</p> <p>(h) Geological Plan</p> <p>(i) Public consent / opinion of the local body on the Project</p> <p>(j) Proceeding of Public Hearing of JSPCB to</p>	<p>Annexure – 4</p> <p>Plate No. - II</p> <p>Annexure – 5</p> <p>Plate No. – III</p> <p>Plate No. - IV</p> <p>Annexure – 6</p> <p>Plate No. –V</p> <p>Annexure – 7</p> <p>Annexure – 8</p>

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