

ENVIRONMENTAL
CLEARANCE

PARIVESH

*(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environment Single-Window Hub)*



**Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)**

To,

The Head Environment & Forest
ESSAR POWER M P LIMITED

Adani Power Limited,
Adani Corporate House,
Adani Shantigram,
Near Vaishno devi circle, SG Highway Ahmedabad.,,Ahmedabad,Gujarat-
382421

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/MP/THE/420097/2023 dated 27 Feb 2023. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC23A004MP195224 |
| 2. File No. | J-13011/56/2006-IA.II (T) |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 1(d) Thermal Power Plants |
| 6. Name of Project | EXPANSION OF BANDHAURA THERMAL POWER PLANT BY ADDING 1600 (2X800) MW CAPACITY TO THE EXISTING 1200 (2X600) MW IN AN AREA OF 920 ACRES AT VILLAGE BANDHAURA, TEHSIL MADA, DISTRICT SINGRAULI, MADHYA PRADESH |
| 7. Name of Company/Organization | ESSAR POWER M P LIMITED |
| 8. Location of Project | Madhya Pradesh |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 02/08/2023

(e-signed)
Yogendra Pal Singh
Scientist E
IA - (Thermal Projects sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

This is a computer generated cover page.

F. No. J-13011/56/2006-IA.II (T)
Government of India
Ministry of Environment, Forest & Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhavan
2nd Floor, Vayu Wing
Aliganj, Jor Bagh Road
New Delhi - 110 003

Dated: 27th July, 2023

To,

M/s Mahan Energen Limited
Adani Power Limited, Adani Corporate
House, Adani Shantigram,
Near Vaishno devi circle, SG Highway,
Ahmedabad - 382 421, Gujarat

Sub: Expansion of Bandhaura Thermal Power Plant by Addition 1600 (2x800) MW Capacity to the existing 1200 (2x600) MW in an area of 920 Acres at Village Bandhaura, Tehsil Mada, District Singrauli, Madhya Pradesh by M/s Mahan Energen Limited - Environmental Clearance (EC) - reg.

Sir,

This has reference to your online Proposal No. IA/MP/THE/420097/2023 and dated 27th February, 2023 submitted to the Ministry for grant of environmental clearance to the project cited in the subject.

2. The Ministry of Environment, Forest and Climate Change has considered the application. It is noted that the proposal is for grant of environmental clearance to the project for expansion of Bandhaura Thermal Power Plant by addition of 1600 (2x800) MW capacity to the existing 1200 (2x600) MW in an area of 920 Acres at Village Bandhaura, Tehsil Mada, District Singrauli (Madhya Pradesh) by M/s Mahan Energen Limited.

3. The project/activity is covered under category 'A' of item 1 (d) 'Thermal Power Plants' of the Schedule to the Environment Impact Assessment Notification, 2006, and requires appraisal at central level by the sectoral EAC in the Ministry.

4. The Project Proponent and the accredited Consultant Greencindia Consulting Pvt. Ltd., made a detailed presentation on the salient features of the project and informed that:

- i. The proposal is for grant of environmental clearance to the project for expansion of Bandhaura Thermal Power Plant by addition of 1600 (2x800) MW capacity to the existing 1200 (2x600) MW in an area of 920 Acres at Village Bandhaura, Tehsil Mada, District Singrauli (Madhya Pradesh) by M/s Mahan Energen Limited.

Proposal No. IA/MP/THE/420097/2023



Page 1 of 25

- ii. The project proposal was considered by the Expert Appraisal Committee (Thermal Sector) in its 19th meetings held on 11.01.2022 and recommended for grant of Terms of References (ToRs) for the Project. The ToR has been issued by Ministry vide letter No. J-13011/56/2006-IA.I (T); dated 28.02.2022 and same was transferred from M/s. Essar Power (M.P) Ltd to Mahan Energen Limited by MoEFCC, New Delhi on 04.11.2022.
- iii. All Thermal Power Plants with capacity ≥ 500 MW are listed at S.N. 1(d) of the Schedule to the Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).
- iv. Earlier, environmental clearance was granted by MoEF&CC vide F. No. J-13011/56/2006-IA.II (T) dated 20.04.2007 to Bandhaura Super Thermal Power Project Project (4x500) MW at Singrauli District, Madhya Pradesh. Subsequently, amendments were granted on 10.02.2009, 23.08.2013 and 08.04.2016 for setting up the existing 2x600 MW units. Further, transferred EC from EPMP to MEL was granted on 15.09.2022 by MoEF&CC. MEL proposed to undertake expansion of the existing project by addition of Ultra Super-Critical Thermal Power Project with configuration of 2 units of 800 MW each translating to a capacity addition of 1600 MW within the existing plant boundary. Amendments were granted on 10.02.2009, 23.08.2013 and 08.04.2016. Also, transfer of EC from EPMP to MEL was granted on 15.09.2022 by the Ministry.
- v. The total land required for proposed expansion is 288 Acres. The land is already in possession with MEL. The total area of the project site 920 acre including the existing facility.
- vi. The recurring Environment Monitoring Cost during the construction phase is Rs. 3,24,000. During Operation Phase, the recurring Environment Monitoring Cost is Rs. 6,90,000 while the capital cost is Rs. 3,80,000.
- vii. Total water requirement for the entire project will be 4000m³/hr or 36 MCM/year will be met from Rihand (Govind Vallabh Pant Sagar) Reservoir located at a distance of 36km by existing water pipeline.
- viii. Public Hearing for the expansion project was conducted on 11.01.2023 at 01.00 noon at Raila Gram Panchayat Ground, (near Romi petrol pump), Village Raila, Tehsil Mada, District Singrauli, Madhya Pradesh under the chairmanship of Sri D. P. Barman, Additional Collector and Additional District Magistrate, Singrauli organized by Madhya Pradesh Pollution Control Board. The major issues raised during public hearing were regarding plot compensation, improvement of education facility, unemployment issues, community infrastructure development etc. The issues were addressed by the Project proponent and due budget has been allocated under CER to cater to the needs.
- ix. Monitoring report has been issued on 2.09.2022 by Regional office of the Ministry.
- x. Litigation is pending at the High court, Madhya Pradesh. Writ Petition No. - 11180/2010 Forum - High Court, Jabalpur, Madhya Pradesh. Subjudice, pending for final hearing.
- xi. The silent features of the project is as under:



Project Details:

Name of the Proposal	Proposed Expansion Of Bandhaura Ultra Super Critical Thermal Power Plant By Adding 1600 (2x800) Mw Capacity To Existing 1200 (2x600) Mw At Village Bandhaura, Tehsil Mada, District Singrauli, Madhya Pradesh
Proposal No.	IA/MP/THE/420097/2023
Location	Village Bandhaura, Nagwa, Karsua & Khairahi Tehsil Mada, District Singrauli, Madhya Pradesh
Company's Name	MAHAN ENERGEN LIMITED
Accredited Consultant and certificate no.	Greencindia Consulting Pvt. Ltd. NABET/EIA/2023/SA0155
Inter- state issue involved	No
Seismic zone	Seismic Zone III (as per IS:1893)

Category Details:

Category of the project	Sector - 1(d) , Category ' A ', Thermal Power Plants		
Capacity	Existing	Expansion	Total
	1200 MW (2x600) MW	1600 MW (2 x800) MW	2800 MW (1200+ 1600) MW
Attracts the General Conditions (Yes/No)	No		
Additional information (if any)	Public Hearing was conducted on 11.01.2023 and PH proceeding documents has been submitted.		

Project Details:

If expansion, the details of ECs (including amendments and extension of validity) of existing Units etc.	<ul style="list-style-type: none"> • Environmental Clearance was granted by MoEFCC vide File no. J-13011/56/2006-IA.II (T) dated 20.04.2007 to Bandhaura Super Thermal Power Project (4x500) MW at Singrauli District, Madhya Pradesh. • Subsequently, amendments were granted on 10.02.2009, 23.08.2013 and 08.04.2016 for setting up the existing 2x600 MW units. • Further, transferred EC from EPMP to MEL was granted on 15.09.2022 by MoEFCC.
--	--

Proposal No. IA/MP/THE/420097/2023



Page 3 of 25

	<ul style="list-style-type: none"> MEL proposed to undertake expansion of the existing project by addition of Ultra Super-Critical Thermal Power Project with configuration of 2 units of 800 MW each translating to a capacity addition of 1600 MW within the existing plant boundary. The proposal was considered in 39th Meeting of the re-constituted EAC (Thermal Power) held on 31st March'2023 for grant of Environmental Clearance.
Amendments granted, if Yes details	<ul style="list-style-type: none"> Amendments were granted on 10.02.2009, 23.08.2013 and 08.04.2016. Further, transferred EC from EPMPPL to MEL was granted on 15.09.2022 by MoEFCC, New Delhi. The amendment proposal was considered in 40th EAC (Thermal Power Plant) Meeting held on 25th April'2023 for Amendment in CONDITION NO. (xxxii) of Environment Clearance (EC)
Expansion / Green Field (new): (IPP / Merchant / Captive):	Expansion (IPP)
If expansion, the date of latest monitoring done by the Regional Office (R.O) of MoEF&CC for compliance of the conditions stipulated in the environmental and CRZ clearances of the previous phases. A certified copy of the latest R.O. monitoring report shall also be submitted.	Certified EC compliance report - EC compliance has certified by Integrated Regional Office of MoEFCC, Bhopal vide File no. 4(0)-1/2022(ENV.) dated: 02.09.2022 and Updated EC Compliance Status w.r.t non/partial Complied points vide no. 4(0)-1/2022(Env.) I/40692/2023 dated: 11.04.2023.
Specific webpage address where all EC related documents (including monitoring and compliance related reports/ documents) of the specific project under consideration are/will be available. Also contact details of PP's officer responsible for updating this webpage/ information.	https://www.adanipower.com/



Co-ordinates of all four corners of TPP Site:	THERMAL POWER PLANT		
	POINT	LATITUDE	LONGITUDE
	A	24°0'37.46" N	82°23'47.59" E
	B	24°0'42.74" N	82°23'55.56" E
	C	24°0'42.27" N	82°24'08.39" E
	D	24°0'43.48" N	82°24'16.34" E
	E	24°0'39.05" N	82°24'37.62" E
	F	24°0'36.66" N	82°24'51.26" E
	G	24°0'39.36" N	82°24'57.57" E
	H	24°0'42.88" N	82°25'01.83" E
	I	24°0'37.01" N	82°25'06.40" E
	J	24°0'33.44" N	82°25'18.17" E
	K	24°0'30.58" N	82°25'18.74" E
	L	24°0'26.11" N	82°25'20.44" E
	M	24°0'22.42" N	82°25'21.39" E
	N	24°0'19.98" N	82°25'13.94" E
	O	24°0'16.49" N	82°25'09.18" E
	P	24°0'11.10" N	82°24'57.77" E
	Q	24°0'12.53" N	82°24'47.96" E
	R	24°0'16.58" N	82°24'34.76" E
S	24°0'04.69" N	82°24'29.76" E	
T	24°0'02.40" N	82°24'24.03" E	
U	24°0'01.65" N	82°24'10.35" E	
V	24°0'05.22" N	82°23'35.46" E	
W	24°0'05.24" N	82°23'35.47" E	
Average height of: (a) TPP site, (b) ash pond site etc. above MSL	(a) 338 m above MSL (b) 338 m above MSL		
Whether the project is in the Critically Polluted Area (CPA) or within 10 km of CPA. If so, the details thereof:	The proposed expansion by adding Ultra Super Critical 2x800 MW units to 2x600 MW operational thermal power plant within the existing plant boundary. The project area of MEL or within 10 Km of CPA does not fall under any CPCB certified Critically or Severely Polluted Areas as mentioned in O.M no. J-11013/5/2010-IA.II(I) dt; 13.01.2010 and its subsequent amendments of MoEF&CC.		
CRZ Clearance	Not Applicable		
Cost of the Project (As per EC and revised): Cost of the proposed activity in the amendment:	INR 12800.00 Crores		
Employment Potential for entire	For expansion of 2x800 MW Units during construction phase more than 5000		

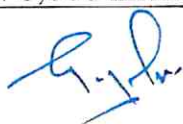
project/plant and employment potential for the proposed amendment (specify number of persons and quantitative information).	employees has been estimated and during operation phase about 300 nos. employees excluding contract labour are estimated.
Benefits of the project (specify quantitative information)	<ul style="list-style-type: none"> • Infrastructure development. • Direct & indirect employment opportunity • Revenue generation to central & state government. • Trickle-down effect of enhance profitability to the local populace • Skill development and capacity building like vocational training, income generation programmes and entrepreneurship development program • Awareness programme and community activities, like health camps, medical aides, family welfare camps, sanitization/ cleanliness awareness programme, immunization camp, sports & cultural activities, plantation, etc. • Awareness about water borne diseases and pandemic diseases etc. will be done to local villagers. • The project will also attract the high-income groups to invest in the region and thus bring about economic growth of the region.

Electricity Generation Capacity:

Capacity & Unit Configurations	1600 MW, Configured as 2x 800 MW
Generation of Electricity Annually	1600 MWh

Details of Fly and Ash Disposal:

Fuel to be used:	Coal and Auxiliary Fuel
Quantity of Fuel required per Annum:	Annual Coal requirement for the 2x800 MW units is about 6.17 MTPA (at 90% PLF) / 6.85 MTPA (at 100% PLF), considering Average coal GCV as 4072 kcal/kg. Auxiliary liquid fuels, viz. LDO/HSD requirement per annum: 6,000 kiloliters.



<p>Coal Linkage / Coal Block: (If Block allotted, status of EC & FC of the Block)</p>	<ul style="list-style-type: none"> • MEL has signed Fuel Supply Agreement (FSA) with M/s. Stratatech Mineral Resources Private Limited for the supply of 6.5 MTPA of coal from its Dirauli Coal Mine. • MEL has signed commercial triparty agreement between Adani Group Companies, M/s. Mahan Fuel Management Limited and M/s. Stratatech Mineral Resources Private Limited for the supply of Coal through Pipe Conveyor System from Dirauli Coal Mine (Merchant) to Mahan Energen Limited.
<p>Details of mode of transportation of coal from coal source to the plant premises along with distances.</p>	<ul style="list-style-type: none"> • Domestic Coal is proposed for expansion project which will be transported through Rail, Long Belt Conveyor (LBC)/ Pipe conveyor system to the TPP • The secondary fuel for the proposed Power Project i.e., LDO/HSD is planned to be transported to the power plant by road tankers and stored in vertical cylindrical steel tanks.
<p>Fly Ash Disposal System Proposed</p>	<p>Fly ash will be collected in dry form to facilitate utilization while bottom ash will be collected in wet form. There would be provision for dry disposal of fly ash from storage silos to closed tankers for utilization in mine filling, road construction, aggregate replacement in concrete, for manufacturing bricks, cement, mine filling, road construction etc. as per Fly Ash Notification, 31st December'2021 and amendments.</p> <p>Provision would be kept for HCSD disposal of both bottom and fly ash to ash pond in case of exigency. In this case, both bottom ash and fly ash will be disposed through HCSD system to the proposed ash dyke.</p>
<p>Ash Pond/ Dyke (Area, Location & Co-ordinates) Average height of area above MSL (m)</p>	<p>36.4 ha (proposed expansion) 338 m above MSL</p>



ASH DYKE		
POINT	LATITUDE	LONGITUDE
1	24°00'05.96" N	82°24'48.41" E
2	23°59'51.57" N	82°25'00.62" E
3	23°59'49.42" N	82°24'57.86" E
4	23°59'36.23" N	82°24'58.96" E
5	23°59'34.91" N	82°24'59.15" E
6	23°59'34.91" N	82°24'59.14" E
7	23°59'30.63" N	82°24'57.54" E
8	23°59'28.95" N	82°24'56.53" E
9	23°59'25.43" N	82°24'50.50" E
10	23°59'12.09" N	82°24'44.61" E
11	23°59'07.17" N	82°24'43.49" E
12	23°59'02.51" N	82°24'41.30" E
13	23°59'01.56" N	82°24'40.16" E
14	23°58'00.63" N	82°24'24.48" E
15	23°59'00.17" N	82°24'07.06" E
16	23°59'06.67" N	82°24'16.76" E
17	23°59'05.60" N	82°24'19.53" E
18	23°59'14.07" N	82°24'26.85" E
19	23°59'19.18" N	82°24'24.67" E
20	23°59'23.08" N	82°24'24.97" E
21	23°59'32.85" N	82°24'28.08" E
22	23°59'42.13" N	82°24'36.48" E



		23	23°59'58.02" N	82°24'40.67" E
		24	24°00'07.22" N	82°24'45.12" E
Quantity of a. Fly Ash to be generated b. Bottom Ash to be generated:	Fly Ash - 3285.12 MT/Day Bottom Ash - 821.3 MT/Day			
Fly Ash utilization (details)	Ash will be used for filling of abandoned mine, filling of low-lying area, manufacturing bricks, cement, road construction, aggregate replacement in concrete, etc as per Fly Ash Notification, 31st December'2021 and amendments.			
Stack Height (m) & Type of Flue	120 m & Bi flues with FGD and DeNOx.			

Water Requirement:

Source of Water:	Rihand (Govind Vallabh Pant Sagar) Reservoir located at a distance of 36km by existing water pipeline
Quantity of water requirement:	4000m ³ /hr or 36 MCM/year
Distance of source of water from Plant:	36 km
Whether barrage/ weir/ intake well/ jack well/ others proposed:	No
Mode of conveyance of water:	Existing Pipelines
Status of water linkage:	The water allocation for proposed expansion is 36 MCM vide letter no. पत्र क्र. वृ प नि म/31 तक/रा. स्त./87 (बी)/2006/297, dated; 01.09.2022 and Agreement for water allotment was signed on 19.10.2022 with Water Recourse Department, Bhopal Madhya Pradesh.
(If source is Sea water) Desalination Plant Capacity	No Sea water is proposed for the project.
Mode / Management of Brine:	Not Applicable
Cooling system	Re-circulating cooling water system using wet evaporative Induced Draft cooling towers will be deployed for the proposed extension units.



Land Area Breakup:

Land Requirement: a) TPP Site b) Ash Pond c) Township d) Railway Siding & Others e) Raw Water Reservoir f) Green Belt g) others Total (if expansion state additional land requirement)	S. No.	Within the plant boundary	Area of existing units (2x600MW)		Area of Proposed units (2x800MW)		Total Area	
			Acr	Hectar	Acr	Hectar	Acr	Hectar
			e	e	e	e	e	e
	A	PLANT FACILITY						
	A-1	BTG (including FGD Phase-II, Switchyard, Transformer Yard etc.)	45	18.2	61	24.7	106	42.9
	A-2	Coal & Ash Facility (including stockyard and AHP Facility)	95	38.4	15	6.1	110	44.5
	A-3	Water system (including raw water reservoir, cooling Tower, DM Water System, Clarified, IWT Facility)	50	20.3	68	27.5	118	47.8
		Sub-total A	190	76.9	144	58.3	334	135.2
	B	OTHER FACILITY						
	B-1	Ash Dyke	142	57.5	90	36.4	232	93.9
	B-2	Misc. Facilities (Plant	33	13.4	18	7.3	51	20.7

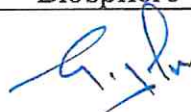
	Road, Boundary Road, Others) *						
	Sub-total B	175	70.9	10 8	43.7	283	114.6
C	Green Belt	267	108.1	36	14.6	303	122.7
	Total Area (A+B+C)	632	255.9	28 8	116.6	920	372.5
Status of Land Acquisition:	The proposed expansion is within the existing land. The land is already under possession with Mahan Energen Ltd.						
Status of the project: If under construction phase: please specify the reasons for delay, works completed till date and balance works along with expected date of completion. If under operation phase, date of commissioning (COD) of each unit. Whether the plant was under shutdown since commissioning, details and reasons.	Existing plant is commissioned and under operational. Unit-1 of the Power Station is operational from 24.02.2013 and Unit - 2 from 18.07.2016.						
Break-Up of land-use of TPP site: a. Total land required for	It is an expansion project, proposed within the existing plant boundary. • The total land required for proposed expansion is 288 Acres.						



project components	<ul style="list-style-type: none"> The land is already in possession with MEL. The total area of the project site 920 acre including the existing facility. Hence, the site doesn't involve any forest land, national park/ wildlife sanctuary/ biosphere reserve /tiger reserve/ elephant reserve in the study area & does not fall under coastal zone.
b. Private land	
c. Government land	
d. Forest Land	

Presence of Environmentally Sensitive areas in the study area:

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks																											
Reserve Forest/Protected Forest Land	Yes <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Forests</th> </tr> <tr> <th>Name</th> <th>Distance (km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Open mixed jungle</td> <td>3.7</td> <td>NE</td> </tr> <tr> <td>Mohaban RF</td> <td>Adjacent</td> <td>W, SW, S</td> </tr> <tr> <td>Vihara PF</td> <td>10.5</td> <td>NE</td> </tr> <tr> <td>Pidarwah PF</td> <td>7.6</td> <td>N</td> </tr> <tr> <td>Mohanban RF</td> <td>0.42</td> <td>NNW</td> </tr> <tr> <td>Open mixed jungle</td> <td>9.2</td> <td>NE</td> </tr> <tr> <td>Fairly Dense jungle</td> <td>13.5</td> <td>SE</td> </tr> </tbody> </table>	Forests			Name	Distance (km)	Direction	Open mixed jungle	3.7	NE	Mohaban RF	Adjacent	W, SW, S	Vihara PF	10.5	NE	Pidarwah PF	7.6	N	Mohanban RF	0.42	NNW	Open mixed jungle	9.2	NE	Fairly Dense jungle	13.5	SE	<ul style="list-style-type: none"> This is an expansion project. No forest land is involved in the project site. Proposed Expansion is within the existing plant boundary. NOC from PPCF-WL has been obtained vide letter no. व प्रा/माची./2022/ Mine.-133/1940 dated; 06.03.2023.
Forests																													
Name	Distance (km)	Direction																											
Open mixed jungle	3.7	NE																											
Mohaban RF	Adjacent	W, SW, S																											
Vihara PF	10.5	NE																											
Pidarwah PF	7.6	N																											
Mohanban RF	0.42	NNW																											
Open mixed jungle	9.2	NE																											
Fairly Dense jungle	13.5	SE																											
National Park	No																												
Wildlife Sanctuary	No																												
Archaeological sites monuments/historical temples etc	No																												
Names & distance of National parks,	No National parks, Wildlife sanctuaries, Biosphere																												



Wildlife sanctuaries, Biosphere reserves, Heritage sites Rivers, Tanks, Reserve Forests etc. Located within 10 Km from the plant boundary:	reserves, Heritage sites Rivers, Tanks, Reserve Forests etc. Located within 10 Km from the plant boundary.	
Additional information (if any)	-	

Availability of Schedule-I species in study area:

21 mammalian species were recorded from the study area; of which none were reported from the plant area. Out of 21 mammalian species, 1 species is under Schedule I of WPA, 1972 reported outside study area.

5. The proposal was considered by the EAC in its 39th and 41st EAC meeting held on 31st March, 2023 and 12th May, 2023 respectively. The EAC noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. Issues raised during the public hearing have been duly addressed by the project proponent.

The EAC after detailed deliberations on the information submitted and as presented during the meeting recommended for grant of Environmental Clearance to the project expansion of Bandhaura Thermal Power Plant by addition of 1600 (2x800) MW capacity to the existing 1200 (2x600) MW in an area of 920 Acres at Village Bandhaura, Tehsil Mada, District Singrauli (Madhya Pradesh) by M/s Mahan Energen Limited subject to compliance of certain specific environmental safeguard conditions, in addition to the standard EC conditions stipulated for the thermal power plants.

6. The recommendation of the Expert Appraisal Committee has been examined in the Ministry. The EC granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc. required to be obtained or standards / conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project.

7. Based on the proposal submitted by the project proponent and recommendations of the EAC (Thermal Power sector), Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project for expansion of Bandhaura Thermal Power Plant by addition of 1600 (2x800) MW capacity to the existing 1200 (2x600) MW in an area of 920 Acres at Village Bandhaura, Tehsil Mada, District Singrauli (Madhya Pradesh) by M/s Mahan



Energen Limited, and the amendments therein, subject to compliance of applicable Standard EC conditions with the following additional conditions:-

A. Specific Conditions

Environmental Management

- i. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
- ii. Peripheral Green belt (Three row plantation) with Miyawaki plantation technique of 15 m thickness along the plant boundary shall be developed with more than 90% survival rate of the plant species. It would be ensured that total 33% area of total project cover area is under green cover focusing on Ash Dyke area.
- iii. Make a plan for pollution control with the consultation of State Pollution Control Board and submit implementation report with compliance report.
- iv. No coal shall be transported through the villages and no coal shall be transported through road beyond 2026 and no extension shall be granted in this regard.
- v. Extensive green cover within 2 km range of the plant boundary shall be developed. An action plan in this regard to be prepared in consultation with CPCB/expert institution and submitted before Regional Office of the Ministry within 3 months.
- vi. 24X7 online monitoring system for ambient air quality shall be established with its connectivity with SPCB and CPCB server. Stack monitoring shall be done through 24X7 online monitoring system. The emission Standards for Municipal Solid Waste based Thermal Power Plants as per Municipal Solid Waste Rules, 2016 dated 8.4.2016 (S.O. 1357 (E)) shall be complied (Refer Part C of Schedule II of Municipal Solid Waste Rules, 2016 dated 8.4.2016 (S.O. 1357 (E))).
- vii. Adequate dust extraction system such as cyclones/bag filters and water spray system in dusty areas such as waste delivery points, transfer areas and other vulnerable dusty areas shall be provided along with an environment friendly sludge disposal system. Water Sprinkling on roads shall be done in every 6 hours in winter season and 3 hours in summer season of roads within 1 km range approaching the plant. A logbook shall be maintained for the activity and be in six-monthly compliance report.
- viii. LED display of air quality (Continuous Online monitoring) shall be installed on the roadside (within 1 km range) and nearby hotspots viz. residential colony, Schools Hospitals; maintenance of devices shall be done on regular basis.
- ix. Everyday cleaning of road/Paved roads within 1 km range of plant site shall be ensured throughout the year through vaccum based vehicle.
- x. Environment Audit of plant shall be done annually and report shall be submitted to Regional office of the Ministry.
- xi. Project proponent shall explore the use of treated sewage water from the Sewage Treatment Plant of Municipality / local bodies/ similar organization located within 50km radius of the proposed power project to minimize the water drawl from surface water bodies.
- xii. A detailed action plan regarding leachate handling shall be prepared and

implemented in consultation with SPCB and the same shall be submitted to the Regional Office of the Ministry. Zero liquid discharge shall be adopted. Leachate shall be treated and reused. No treated leachate shall be discharged in any circumstances. Characteristics of Leachate and the treated leachate shall be monitored once in quarter and records shall be maintained.

- xiii. Oil and grease recovered from the treatment plant should be disposed only through authorized recyclers.
- xiv. Harnessing solar power within the premises of the plant particularly at available roof tops shall be carried out and status of implementation including actual generation of solar power shall be submitted along with half yearly monitoring report.
- xv. Fly ash handling shall be done strictly as per extent rules/regulations of the Ministry/CPCB issued from time to time including Ministry's Notification No. S.O.5481(E) dated 31st December, 2021.
- xvi. Monitoring of surface water quality and Ground Water quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall also be undertaken and results/findings submitted along with half yearly monitoring report.
- xvii. A well designed rain-water harvesting system shall be put in place within six months, which shall comprise of rain water collection from the built up and open area in the plant premises and detailed record kept of the quantity of water harvested every year and its use.
- xviii. Watershed development plan shall be prepared and implemented focusing on micro watershed development within 10 km radius of the project. Action taken report in this regard be submitted before regional office of the Ministry in 6 monthly compliance report.
- xix. A detailed ecological monitoring and survey covering forestry, fisheries, wildlife and its habitat shall be done once in two years to assess the impacts of project on the local environment and ecology. Monitoring report shall be uploaded on the Parivesh Portal and a copy of the same be submitted to the regional office of MoEF&CC.
- xx. For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- xxi. An Environmental Cell headed by the Environment Manger with postgraduate qualification in environmental science/environmental engineering, shall be created. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.
- xxii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.
- xxiii. The energy sources for lighting purposes shall preferably be LED based.



Socio-economic

- xxiv. Public grievance redressal system shall be established under supervision of project head. The functioning of the system shall be reviewed every month.
- xxv. Epidemiological Study among population within 5 km radius of project cover area shall be carried out on regular interval (Once in two year) through independent agency. Necessary measures shall be taken as per findings of study in consultation with district administration. Action taken report shall be submitted to the Regional Office of the Ministry.
- xxvi. The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of Environmental Clearance for undertaking the CER activities, committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.
- xxvii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xxviii. A multi-specialty Hospital of 100 beds shall be established and maintained to cater the need of population living within 10 km.

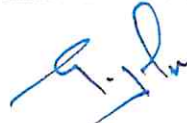
Miscellaneous

- xxix. Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- xxx. All necessary clearance from the concerned Authority, as may be applicable should be obtained prior to commencement of project or activity.

B. Standard EC Conditions for Thermal Power Sector:

I. Statutory compliance:

- (i) Emission Standards for Thermal Power Plants as per Ministry's Notification S.O. 3305(E) dated 7.12.2015, G.S.R.593 (E) dated 28.6.2018 and as amended from time to time shall be complied.
- (ii) Part C of Schedule II of Municipal Solid Wastes Rules, 2016 dated 08.04.2016 as amended from time to time shall be complied for power plants based on Municipal Solid Waste.
- (iii) MoEF&CC Notification G.S.R 02(E) dated 2.1.2014 as amended time to time regarding use of raw or blended or beneficiated/washed coal with ash content not exceeding 34% shall be complied with, as applicable.
- (iv) MoEF&CC Notifications on Fly Ash Utilization S.O. 763(E) dated 14.09.1999, S.O. 979(E) dated 27.08.2003, S.O. 2804(E) dated 3.11.2009, S.O. 254(E) dated 25.01.2016 as amended from time to time shall be complied.



- (v) Thermal Power Plants other than the power plants located on coast and using sea water for cooling purposes, shall achieve specific water consumption of 2.5 m³/MWh and Zero effluent discharge.
- (vi) The recommendation from Standing Committee of NBWL under the Wildlife (Protection) Act, 1972 should be obtained, if applicable.
- (vii) No Objection Certificate from Ministry of Civil Aviation be obtained for installation of requisite chimney height and its siting criteria for height clearance.
- (viii) Groundwater shall not be drawn during construction of the project. In case, groundwater is drawn during construction, necessary permission be obtained from CGWA.

II. Ash content/ mode of transportation of coal:

- (i) EC is given on the basis of assumption of_% of ash content and _km distance of transportation in rail/road/conveyor/any other mode. Any increase of %ash content by more than 1 percent, and/or any change in transportation mode or increase in the transport distance (except for rail) require application for modifications of EC conditions after conducting the 'incremental impact assessment' and proposal for mitigation measures.

III. Air quality monitoring and Management:

- (i) Flue Gas Desulphurisation System shall be installed based on Lime/Ammonia dosing to capture Sulphur in the flue gases to meet the SO₂ emissions standard of 100 mg/Nm³.
- (ii) Selective Catalytic Reduction (SCR) system or the Selective Non-Catalytic Reduction (SNCR) system or Low NO_x Burners with Over Fire Air (OFA) system shall be installed
 - a. to achieve NO_x emission standard of 100 mg/Nm³.
- (iii) High efficiency Electrostatic Precipitators (ESPs) shall be installed in each unit to ensure that particulate matter (PM) emission to meet the stipulated standards of 30 mg/Nm³.
- (iv) Stacks of prescribed height_m shall be provided with continuous online monitoring instruments for SO_x, NO_x and Particulate Matter as per extant rules.
- (v) Exit velocity of flue gases shall not be less than 20-25 m/s. Mercury emissions from stack shall also be monitored periodically.
- (vi) Continuous Ambient Air Quality monitoring system shall be set up to monitor common/criteria pollutants from the flue gases such as PM₁₀, PM_{2.5}, SO₂, NO_x within the plant area at least at one location. The monitoring of other locations (at least three locations outside the plant area covering upwind and downwind directions at an angle of 120° each) shall be carried out manually.
- (vii) Adequate dust extraction/suppression system shall be installed in coal handling, ash handling areas and material transfer points to control fugitive emissions.



- (viii) Appropriate Air Pollution Control measures (DEs/DSs) be provided at all the dust generating sources including sufficient water sprinkling arrangements at various locations viz., roads, excavation sites, crusher plants, transfer points, loading and unloading areas, etc.

IV. Noise pollution and its control measures:

- (i) The Ambient Noise levels shall meet the standards prescribed as per the Noise Pollution (Regulation and Control) Rules, 2000.
- (ii) Persons exposed to high noise generating equipment shall use Personal Protective Equipment(PPE) like earplugs/ear muffs, etc.
- (iii) Periodical medical examination on hearing loss shall be carried out for all the workers and maintain audiometric record and for treatment of any hearing loss including rotating to non- noisy/less noisy areas.

V. Human Health Environment:

- (i) Bi-annual Health check-up of all the workers is to be conducted. The study shall take into account of chronic exposure to noise which may lead to adverse effects like increase in heart rate and blood pressure, hypertension and peripheral vasoconstriction and thus increased peripheral vascular resistance. Similarly, the study shall also assess the health impacts due to air polluting agents.
- (ii) Baseline health status within study area shall be assessed and report be prepared. Mitigation measures should be taken to address the endemic diseases.
- (iii) Impact of operation of power plant on agricultural crops, large water bodies (as applicable) once in two years by engaging an institute of repute. The study shall also include impact due to heavy metals associated with emission from power plant.
- (iv) Sewage Treatment Plant shall be provided for domestic wastewater.

VI. Water quality monitoring and Management:

- (i) Induced/Natural draft closed cycle wet cooling system including cooling towers shall be set up with minimum Cycles of Concentration (COC) of 5.0 or above for power plants using fresh water to achieve specific water consumption of 2.5 m³/MW hr. (Or) Induced/Natural draft open cycle cooling system shall be set up with minimum Cycles of Concentration (COC) of 1.5 or above for power plants using sea water.
- (ii) In case of the water withdrawal from river, a minimum flow 15% of the average flow of 120 consecutive leanest days should be maintained for environmental flow whichever is higher, to be released during the lean season after water withdrawal for proposed power plant.
- (iii) Records pertaining to measurements of daily water withdrawal and river flows (obtained from Irrigation Department/Water Resources Department) immediately upstream and downstream of withdrawal site shall be



- maintained.
- (iv) Rainwater harvesting in and around the plant area be taken up to reduce drawl of fresh water. If possible, recharge of groundwater to be undertaken to improve the ground water table in the area.
 - (v) Regular (at least once in six months) monitoring of groundwater quality in and around the ash pond area including presence of heavy metals (Hg, Cr, As, Pb, etc.) shall be carried out as per CPCB guidelines. Surface water quality monitoring shall be undertaken for major surface water bodies as per the EMP. The data so obtained should be compared with the baseline data so as to ensure that the groundwater and surface water quality is not adversely impacted due to the project & its activities.
 - (vi) The treated effluents emanating from the different processes such as DM plant, boiler blow down, ash pond/dyke, sewage, etc. conforming to the prescribed standards shall be re-circulated and reused. Sludge/ rejects will be disposed in accordance with the Hazardous Waste Management Rules.
 - (vii) Hot water dispensed from the condenser should be adequately cooled to ensure the temperature of the released surface water is not more than 5 degrees Celsius above the temperature of the intake water.
 - (viii) Based on the commitment made by the Project Proponent, Sewage Treatment Plants within the radius of 50 km from proposed project, the treated sewage ofKLD from STP (name) shall be used as an alternative to the fresh water source to minimize the fresh water drawl from surface water bodies.
 - (ix) Wastewater generation of KLD from various sources (viz. cooling tower blowdown, boiler blow down, wastewater from ash handling, etc) shall be treated to meet the standards of pH: 6.5-8.5; Total Suspended Solids: 100 mg/l; Oil & Grease: 20 mg/l; Copper: 1 mg/l; Iron: 1 mg/l; Free Chlorine: 0.5; Zinc: 1.0 mg/l; Total Chromium: 0.2 mg/l; Phosphate: 5.0 mg/l;
 - (x) Sewage generation ofKLD will be treated by setting up Sewage Treatment plant to maintain the treated sewage characteristics of pH: 6.5-9.0; Bio-Chemical Oxygen Demand (BOD): 30 mg/l; Total Suspended Solids: 100 mg/l; Fecal Coliforms (Most Probable Number); <1000 per 100 ml.

VII. Risk Mitigation and Disaster Management:

- (i) Adequate safety measures and environmental safeguards shall be provided in the plant area to control spontaneous fires in coal yard, especially during dry and humid season.
- (ii) Storage facilities for auxiliary liquid fuel such as LDO and HFO/LSHS shall be made as per the extant rules in the plant area in accordance with the directives of Petroleum & Explosives Safety Organisation (PESO). Sulphur Content in the liquid fuel should not exceed 0.5%.
- (iii) Ergonomic working conditions with First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- (iv) Safety management plan based on Risk Assessment shall be prepared to limit the risk exposure to the workers within the plant boundary.
- (v) Regular mock drills for on-site emergency management plan and Integrated



Emergency Response System shall be developed for all kind of possible disaster situations.

VIII. Green belt and Biodiversity conservation:

- (i) Green belt shall be developed in an area of 33% of the total project with indigenous native tree species in accordance with CPCB guidelines. The green belt shall inter-alia cover an entire periphery of the plant.
- (ii) *In-situ/ex-situ* Conservation Plan for the conservation of flora and fauna should be prepared and implemented.
- (iii) Suitable screens shall be placed across the intake channel to prevent entrainment of life forms including eggs, larvae, juvenile fish, etc., during extraction of seawater.

IX. Waste management:

- (i) Solid waste management should be planned in accordance with extant Solid Waste Management Rules, 2016.
- (ii) Toxicity Characteristic Leachate Procedure (TCLP) test shall be conducted for any substance, potential of leaching heavy metals into the surrounding areas as well as into the groundwater.
- (iii) Ash pond shall be lined with impervious liner as per the soil conditions. Adequate dam/dyke safety measures shall also be implemented to protect the ash dyke from getting breached.
- (iv) Fly ash shall be collected in dry form and ash generated shall be used in phased manner as per provisions of the Notification on Fly Ash Utilization issued by the Ministry and amendment thereto. By the end of 4th year, 100% fly ash utilization should be ensured. Unutilized ash shall be disposed off in the ash pond in the form of High Concentration Slurry. Mercury and other heavy metals (As, Hg, Cr, Pb, etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. Flyash utilization details shall be submitted to concerned Regional Office along with the six-monthly compliance reports and utilization data shall be published on company's website.
- (v) Unutilized ash shall be disposed off in the ash pond in the form of High Concentration Slurry/Medium Concentration Slurry/Lean Concentration Slurry method. Ash water recycling system shall be set up to recover supernatant water.
- (vi) In case of waste-to-energy plant, major problems related with environment are fire smog in MSW dump site, foul smell and impacts to the surrounding populations. Therefore, the following measures are required to be taken up:
 - a. Water hydrant at all the dumpsites of MSW area to be provided so that the fire and smog could be controlled.
 - b. Sprayer like microbial consortia may be provided for arresting the foul smell emanating from MSW area.



X. Monitoring of compliance:

- (i) Environmental Audit of the project be taken up by the third party for preparation of Environmental Statement as per Form-V & Conditions stipulated in the EC and report be submitted to the Ministry.
- (ii) Resettlement & Rehabilitation Plan as per the extant rules of Govt. of India and respective State Govt. shall be followed, if applicable.
- (iii) Energy Conservation Plan to be implemented as envisaged in the EIA / EMP report. Renewable Energy Purchase Obligation as set by MoP/State Government shall be met either by establishing renewable energy power plant (such as solar, wind, etc.) or by purchasing Renewable Energy Certificates.
- (iv) Monitoring of Carbon Emissions from the existing power plant as well as for the proposed power project shall be carried out annually from a reputed institute and report be submitted to the Ministry's Regional Office.
- (v) Energy and Water Audit shall be conducted at least once in two years and recommendations arising out of the Report should be followed. A report in this regard shall be submitted to Ministry's Regional Office.
- (vi) Environment Cell (EC) shall be constituted by taking members from different divisions, headed by a qualified person on the subject, who shall be reporting directly to the Head of the Project.
- (vii) The project proponent shall (Post-EC Monitoring):
 - a. send a copy of environmental clearance letter to the heads of Local Bodies, Panchayat, Municipal bodies and relevant offices of the Government;
 - b. upload the clearance letter on the web site of the company as a part of information to the general public.
 - c. inform the public through advertisement within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forest and Climate Change (MoEF&CC) at <http://parviesh.nic.in>.
 - d. upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same periodically;
 - e. monitor the criteria pollutants level namely; PM (PM10& PM2.5 in case of ambient AAQ), SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company;
 - f. submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB;
 - g. submit the environmental statement for each financial year in Form-V to



- the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company;
- h. inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project and the date of commencement of the land development work.

XI. Corporate Environmental Responsibility (CER) activities:

- (i) CER activities will be carried out as per OM No. 22-65/2017-IA.III dated 30.09.2020 or as proposed by the PP in reference to Public Hearing or as earmarked in the EIA/EMP report along with the detailed schedule of implementation.

C. General Condition:

- (i) The EC granted to the project is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/ construe to approvals/ consent/ permissions, etc. required to be obtained under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project.
- (ii) The project proponent shall prepare a site specific conservation plan and wildlife management plan in case of the presence of Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the State Forest/Wildlife Department in a time bound manner.
- (iii) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (iv) The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.
- (v) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- (vi) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).



- (vii) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.
- (viii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- (ix) The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- (x) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented.
- (xi) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (xii) A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- (xiii) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.
- (xiv) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (xv) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (xvi) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- (xvii) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance



letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <https://parivesh.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

- (xviii) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- (xix) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

8. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

9. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

10. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

11. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

12. This issues with the approval of the competent authority.


27.7.2023
(Yogendra Pal Singh)
Scientist 'E'

Email Id: yogendra78@nic.in
Tele: 011-20819364

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi -110 001.

2. The Deputy Director General of Forests, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road No.3, Ravishankar Nagar, Bhopal -462 016
3. The Secretary, Department of Environment, Government of Madhya Pradesh, Secretariat, Bhopal.
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032.
5. The Member Secretary, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal - 462016.
6. Guard File


(Yogendra Pal Singh)
Scientist 'E'

Proposal No. IA/MP/THE/420097/2023

Signature valid

Digitally signed by Yogendra Pal
Singh
Scientist E
Date: 8/2/2023 5:07:28 PM