INTRODUCTION

MB Power (Madhya Pradesh) Limited (MBPMPL) is a 100% owned subsidiary of Moser Baer Power & Infrastructure Limited (MBPIL). Moser Baer group headquartered in New Delhi, is leading global technology company and is the world's second largest manufacturer of optical storage media like CDs, DVDs etc.

MBPMPL has entered into MOU with Government of MP to set up a 2520 MW coal based power plant. MBPMPL is already implementing 2 X 600 MW subcritical coal based power plant at Tehsil Anuppur and Jaitahari. An area of 403 Ha (996 acre) has been acquired for phase-I and coal will be sourced from SECL/CIL. The Project has been granted Consent to establish for 2 x 600 MW TPP from M.P. Pollution control board.

It is now proposed to expand the capacity by adding 2 x 660 MW supercritical unit at same location, as per the terms of the MOU signed with Government of Madhya Pradesh.

Environmental Impacts Assessment (EIA) study carried out for the proposed power plant to get prior Environmental Clearance (EC) from the Ministry of Environment and Forests (MOEF), New Delhi. Draft EIA Report has been prepared based on the Terms of Reference (TOR) approved by MoEF, vide letter no J-13012/198/2010-IA II(T**)** dated 20th April 2011 and based on the primary data collected during pre monsoon season 2011.

MB POWER (MADHYA PRADESH) LIMITED

SALIENT FEATURES OF THE PROJECT

Item	Main Design Parameters
Location of the Plant	Murra, Guwari, Belia, Jaithari Village Dist- Anuppur (MP)
Longitude	$81^0$47'28.68" E
Latitude	$23^0$04' 5.16" N
Net Capacity	1200 MW
No. of units and configuration	2 X 600 MW
Technology	Conventional
Steam Generator	Sub critical
Pressure at SH outlet	175 KG/cm^2
Temperature at SH outlet	540^{o}C
Turbo generator	Turbine 167 KG/ cm^2 (a), 535 ^{o}C, 3000 RPM, Generator- 600 MW each
Main Fuel : Coal	Annual requirement 6.6 MTP at 85% PLF Source - SECL mines Grade – E/F, Avg. GCV – 3280 Kcal/KG
No. of stack	01
Stack height (meter)	275
No. of flue	02
Additional equipment	ESP
Manpower utilization	425 Persons (Proposed for operation)
Water requirement (Annual)	48 MCM
Water Source	Son river
Cooling System	Induced draft cooling system proposed
Total discharge of water	Minimum discharge guideline will be followed
Pollution level	Within the prescribed norms

MB POWER (MADHYA PRADESH) LIMITED

ANEXURE

ENVIRONMENTAL STATEMENT FORM – V

(See rule 14)

Environmental Statement For The Financial Year, Ending March 2011-12

PART – A

i.	Name and address of Owner / occupier of the industry	:	Sri Ratul Puri Moserbaer Projects Pvt. Limited, 235 Okhla Industrial Area, Phase-III, New Delhi-110020 Ph No. 011- 47624200,300

Operation or process.

ii	Industry category Primary-(stc code) Secondary-(stc code)	:	Large scale industry (Thermal Power Plant)
iii.	Production Capacity	:	1200 MW
iv.	Year of establishment	:	NA (Under construction)
v.	Date of last environment Statement submitted	:	27.09.2011

PART- B

Water and Raw Material Consumption: Not applicable plant is under construction stage.

i. Water consumption in m3/d

Process	:	NA
Cooling	:	NA
Domestic	:	49

MB POWER (MADHYA PRADESH) LIMITED

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial year
1. NA	NA	NA

ii. Raw material consumption

Name of raw materials	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
NA	NA	NA	NA

- Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw material used.

PART-C

Pollution discharged to environment/unit of output: Not applicable plant is under Construction stage.

(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	NA	NA	NA
(b) Air	NA	NA	NA

- Environment monitoring for ground water and surface water is attached as **Annex- I & II**
- Ambient air quality report is attached as **Annex - III**

PART – D

HAZARDOUS WASTES

As specified under the hazardous wastes (management, handling and trans boundary movement) rule 2008 and amendment as on 2010

HAZARDOUS WASTES	TOTAL QUANTITY	
	DURING THE PREVIOUS FINANCIAL YEAR 2010 – 2011	DURING THE CURRENT FINANCIAL YEAR 2011 – 2012
FROM PROCESS	NA	NA
FROM POLLUTION CONTROL FACILITY	NA	NA

MB POWER (MADHYA PRADESH) LIMITED

PART-E

SOLID WASTE

Solid Wastes	Total quantity (kg)	
	During the previous financial year	During the current financial year
a. From process	NA	NA
b. From pollution control facility	NA	NA
c. Quantity recycled or reutilized within the unit	NA	NA

PART – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Plant is under construction stage therefore no solid wastes generated in the year 2011-12.

PART-G

Impact of pollution control measures taken on conservations of natural resources and consequently on the cost of production.

Ground water quality, surface water quality and ambient air quality monitoring confirm that there is no adverse effect in environment out of construction activity.

PART - H

Additional measures / investment proposals for environmental protection including abatement of pollution.

Expenditure on pollution abatement

Particulars	FY 2010-11	FY 2011-12
Environmental Monitoring & Study	1,515,522	408,110
Water Flow Measurement	-	77,210
Water Availablity Study	794,160	529,440
Hydrogeology study	297,810	198,540
Review of Hydrogeological Report	275,750	-
Hydrological report & topographical report to carryout water availability study, water storage facility & raw water intake system	-	-
Diversion Scheme of Nallahas / Drains at Site	-	132,360
Consultancy for Barrage	-	110,300
Fees for Air, Water & Barrage Consent	600,000	300,000
Net Present Value of Forest Trees	33,881,977	-
Plantation/Horticulture	241,158	1020724
Environmental Monitoring Equipment		
1. Water level indicator	36,053	-
2. Construction of piezometer	76,349	376805
3. WIND MONITOR	-	213,761
4. Noise level meter	-	75,445
5. Cumulative Environment and Social Economic Study	-	447818
6. WIND MONITOR	-	213,761
7. Noise level meter	-	75,445
Total	**37,718,779**	**38,90,513**

PART – I

Miscellaneous

OTHER PARTICULARS OF IMPROVING OF QUALITY OF THE ENVIRONMENT

POLLUTION CONTROL EQUIPMENT

The plant is under construction stage and therefore having no source of air pollution emission. Fugitive emission is being generated out of vehicular movement which is controlled by water sprinkling.

MB POWER (MADHYA PRADESH) LIMITED

HOUSE KEEPING

Good house keeping contributes greatly to efficient operations, improved employee morale, better productivity and reduction of accidents. House keeping standards reflect an organization's work culture.

Good house keeping can only be achieved by proper planning. This includes a well-planned process layout, orderly arrangement of equipment; systematic material storage stacking and movement with day-to-day maintenance of cleanliness and tidiness.

Water tanker has engaged for water spaying round the clock on all the internal roads.

PLANTATION

Plantation efforts will be carried-on to the maximum possible extend in and around MBPMPL campus. In this direction, we are making efforts for avenue plantation from, near by villages and their school, community building etc. which shows our sincerity in making efforts for continual improvement in quality of environment not only inside the MBPMPL campus, but also in the adjascent area. Our effort is not only economical, but also viable and easily adoptable as the saplings are well familiar to survive and grow in the same atmosphere prevailing in the campus. Details of Plantation are as follows.

SN	NAME OF THE TREE	NO OF TREES PLANTED IN FY 2010-11	NO OF TREES PLANTED IN 2011-12 (UP TO AUG.)	TOTAL (up to 31st Mar 12)
1	NEEM	50	639	689
2	SIRISH	0	590	590
3	AMLA	200	1440	1640
4	KARANJ	700	3975	4675
5	TEAK	1200	2523	3723
6	KHAMAR	0	212	212
7	ARJUN	0	47	47
8	ASHOKA	0	49	49
9	GULMOHAR	0	221	221
10	SHISAM	50	1512	1562
11	BAMBOO	0	108	108
12	KATHAL	0	610	610
13	CASSIA	0	296	296
14	ACASSIA	0	373	373
15	PELTAPHORUM	0	428	428
16	MANGO	0	3	3
17	ANAR	0	4	4
18	AMROOD	0	6	6
19	LEMON	0	4	4
TOTAL		**2200**	**13040**	**15240**

MB POWER (MADHYA PRADESH) LIMITED

SOCIO ECONOMIC DEVELOPMENT

MB Power (MP) Limited has provided basic amenities like development of Roads, Drinking water facility, Health Care & ambulance, Primary school building, it self for the project affected villages. A detail is attached as **Annex. - IV**