

By Registered Post

JAYPEE BINA THERMAL POWER PLANT
A DIVISION OF JAIPRAKASH POWER VENTURES LIMITED

JAIPRAKASH
POWER VENTURES LIMITED

REF: JBTPP/EC Compl./2014-15/1751

Dated: - 17/11/2014

The Chief Conservator of Forests,
Ministry of Environment & Forests
Regional office (WZ), Kendriya Paryavaran Bhawan
E-5, Arera Colony, Link Road-3
Ravishankar Nagar
BHOPAL - 462 016 (M.P)

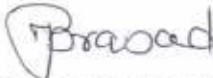
Sub: **Compliance status of various conditions of the Environmental Clearance granted by MoEF vide letter No. J-13011/28/92-1AII(T) dated 23.04.1996 and additional conditions stipulated vide letter No. J-130 12/45/05-1A II (T) dated 05.08.2009 for coal based Jaypee Bina Thermal Power Plant (2x250 MW) at village Sirchopi, Tehsil Bina, Dist. Sagar (M.P)**

Dear Sir,

We are pleased to submit half yearly Compliance report to conditions laid down in Environmental Clearance with supporting Documents/Annexures /Photographs in respect of Jaypee Bina Thermal Power Plant, for the period April, 2014 -September, 2014.

Thanking you.

Yours faithfully,
For **JAYPEE BINA THERMAL POWER PLANT**


DR B J PRASAD
Sr. G M (ENVIRONMENT & SAFETY)

Enclosure: As above

- Copy to: 1. The Additional Director & Zonal Officer
Central Pollution Control Board, Shankar Bhawan, 3rd floor, North TT Nagar,
BHOPAL - 462 003
2. The Chairman,
MP Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony
BHOPAL - 462 016
3. The Regional Officer,
M.P. Pollution Control Board,
Deen Dayal Nagar, Housing Board Colony,
SAGAR (M.P.)

Status of Compliance of Environmental Clearance (EC) granted vide letter no.
J-13011/28/92-IA II (T) dated 23.04.1996 to
Jaypee Bina Thermal Power Plant, Bina for the period April,2014 to September,2014.

S.N.	Compliance Conditions	Status
1.	All the conditions stipulated by the Madhya Pradesh Pollution Control Board vide letter No 19980/TS/EZ/Sagar/MPPCB/95 dated 16 th October, 1995 and No 4209 /TS/EZ/MPPCB dated 14.03.96 should be strictly implemented.	All the conditions stipulated by MPPCB have been complied.
2.	Only washed coal with ash content not exceeding 30% should be used , Fly ash generated to the tune of 0.828 MT/day should be utilized in Fal-G-Cement , brick making etc. Full utilization should be ensured by end of 9 th year as proposed. Use of coal should be restricted to 8100 tonnes /day.	<p>The Condition of use of washed coal was waived off vide MOEF letter no J-13011/28/92-IA-II (T) dated 15.10.1997. Copy attached as Annexure-1. Following efforts have been made to abide by MoEF notification No.2804(E) dated 3rd November, 2009 for fly ash utilization in phased manner and full utilization after 4 years:-</p> <ul style="list-style-type: none"> (i) A fly ash brick/ block manufacturing unit has been installed, having capacity of 45Lac/pa bricks. The photograph of Fly Ash brick manufacturing unit is attached as Annexure - 2. (ii) MOU's have been signed with following industries/enterprises for supply of Fly Ash: <ul style="list-style-type: none"> (a) M/s. Heidelberg Cement India Limited (Diamond Cements) to supply 1000MT/per day fly ash for utilization in cement. (b) M/s Shree Traders, Mandideep for supply of 300 MT per day Fly Ash for trading to bricks manufacturer and cement plant. (c) M/s Panna Lal Ahirwar, Khurai for supply of 50 MT per month of Fly Ash for manufacture of bricks. (d) M/s Richhariya Industries, Sagar for supply of 100 MT per month of Fly Ash for manufacture of bricks. (e) M/s Cenosphere India Pvt Ltd, Kolkata. (f) M/s ACC Ltd., Kymore Cement Works, Katni (g) M/s KJS Cement Ltd, Maihar. <p>Following companies are also taking fly ash for utilization in cement manufacturing and MOU's are likely to be signed shortly for bulk supply of fly ash with these companies:</p> <ul style="list-style-type: none"> 1) Ultra Tech, Khor, Neemach (M.P.) 2) Birla Corporation Ltd., Chittorgarh (Rajasthan)

T.B.

		<p>3) ACC Ltd. , Bundi, Lakheri, (Rajasthan)</p> <p>4) Birla Cement, Satna (M.P.)</p> <p>5) Wonder Cement Ltd., Chittorgarh (Rajasthan)</p> <p>6) Narmada Cement Industries, Sagar (M.P.)-for brick</p> <p>7) Satnaam Waheguru grinder, Sagar (M.P.)-for brick</p> <p>8) Everest Industries Ltd., Kymore Katni (M.P.)</p> <p>9) JAL Cement Division, Rewa (M.P.)</p> <p>(iii) Besides the above, a 2MTPA Cement Grinding Unit is planned within the premises to utilize the fly ash for which Public Hearing has been conducted on 30.10.2012 and final EIA-EMP report has been submitted to MOEF on 08, April 2013 for grant of environment clearance.</p> <p>(iv) Fly ash has also been utilized in internal road construction.</p> <p>(v) Managing Director, MP Road Development Corporation Limited, Bhopal has been requested vide letter 25.12.2013 for promotion of utilization of Fly Ash in Road Construction activities. Earlier, Collector, Sagar has also been requested for utilization of Fly Ash in civil works.</p> <p>Consumption of coal is less than permissible limit of 9000 MT/Day (This condition has been revised by MOEF vide letter no J-13011/28/97-IA-II (T) dated 17.11.1997). Copy attached as Annexure-3.</p>
3.	A closed cycle circulating water system with cooling towers should be incorporated in the project design and only make up water should be drawn.	Closed circuit Natural Draft Cooling towers have been provided and only makeup water is drawn. Photograph of cooling tower is attached as Annexure-4 .
4.	A barrage proposed across Betwa river from where a 4 km long pipe will be drawn be so designed as to restrict the pondage to 385 m and within the river banks to avoid acquisition of additional land.	The barrage has been designed to restrict the pondage to 385.75m and pondage is limited within the river banks.
5.	Continuous stack monitoring equipment for SPM, SO2 and NOX should be provided and data collected should be regularly analyzed for ascertaining the pollution levels within prescribed standards.	Continuous stack monitoring equipment for SPM, SO2 and NOX has been provided. The Stack particulate monitoring data is given as Annexure-5 .
6.	Land requirement should be restricted to 850 Ha with following break up; a) Power plant - 330 ha (262 ha for plant plus 68 ha for green belt)	MoEF vide letter no.J.13011/28/92-IA.II. dated 4-12-1996 restricted the land requirement to 726 ha (Annexure-6) with following break up : Power plant Area - 260 ha

Bel

	b) Ash disposal - 380 ha (306 ha ash pond plus 74 ha green belt) c) Township - 115 ha d) Rail, road, pipeline etc - 25 ha	Ash Pond Area - 326 ha Other Area - 115 ha Pipeline etc. - 25 ha Total 726 ha
7.	Guard pond with two sections each of 3960 M3 capacity should be created for collection and treatment of effluents from various plant activities before its discharge to Betwa river as per the standards laid down by central pollution control board / Madhya Pradesh Pollution Control Board.	<p>An Effluent Treatment Plant (ETP) along with guard pond has been commissioned to treat the effluents and to recycle the treated effluent in the plant use. The ETP consists of:</p> <ul style="list-style-type: none"> Collection cum equalization sump : 1680M³ Flash mixer cum flocculation tank : 22.5 M³ Tube settler chambers(2Nos.) : 316.88 M³ each Guard pond(2Nos.) : 3600M³ each <p>Effluents from various sections such as Bottom ash over flow, SSF back wash, Oil-water separator, recycled water from ash pond, neutralized effluent from DM plant, boiler blow down are brought to the ETP. Arrangement for Acid / Alkali dosing is provided for neutralizing the treated effluent, if required before recycling for various uses. The effluent is treated to conform to the prescribed norms of CPCB/MPPCB.</p>
8.	For Socio-economic upliftment of local and affected person's facilities such as hospital, school etc. should be created at project site. Adequate employment facilities should be provided to affected people and if need be, training should be imparted to them in suitable fields.	<p>A hospital with two doctors is already established for medical support to local people and employees.</p> <p>A Hindi medium school is also running for education of children of local people and employees.</p> <p>To the extent possible, local people have been employed for various activities in the plant. Necessary training is given to them before inducting them. To provide easy access for skill enhancement of the local people, an ITI has been constructed and academic session has started in the current year. A polytechnic school is also proposed under CSR activities.</p> <p>The plant is participating in Sanjeevani Project of the state government for healthcare of malnourished children in the age group of 05 months to 05 years of 30 villages around the plant site in Bina Tehsil.</p>
9.	Noise level should be maintained within 85 dB (A) by proper maintenance of equipments and isolation etc. for people working in generator hall, ear plugs should be provided.	<p>All equipments have been designed and fitted with adequate noise control measures so as to keep the noise level below 85 dB(A).</p> <p>Personal protective equipments like ear plug/ear muff are provided to workers who work in noisy area.</p>
10.	For easy access of the areas on northern side of plant, a corridor should be maintained between plant and proposed ash disposal area.	Has been complied.

11.	Continuous monitoring of ground water should be undertaken in consultation with central ground water board. Data collection should be analyzed for ascertaining if leaching through ash pond is taking place affecting the water quality. Continuous monitoring of flue gases should also be ensured.	Ground water Monitoring has been done through MPPCB, Sagar. The ash pond has been lined with impervious HDPE liner and has been concreted to ensure that there is no leaching (Annexure-7). Continuous stack emission monitoring equipment has been installed. Photograph of continuous stack monitoring equipment of flue gases is attached as Annexure-8 .																				
12.	For controlling NOX emission, low NOX burners and steam injection system should be provided.	Secondary over fire air burner have been provided to reduce NOx emission level.																				
13.	Project authorities must create sufficient in house capability (Environmental Cell) supported by full-fledged laboratory to monitor and implement environment related issues.	Project has established a separate Environmental Management cell with qualified and experienced executives. A full-fledged laboratory has been set-up to monitor the Environmental parameter. Organogram of the Environment Management Cell is attached as Annexure-9 . List of equipments provided in the laboratory is attached as Annexure-10 .																				
14.	Adequate financial provision, item wise and year wise, must be made for implementation of above stipulated conditions. Detail on these aspects should be submitted to the ministry by 31st May 1996.	<p>Rs.265.98 Crs have been provided for implementation of environmental protection measures such as ESP, ETP, dust separation and extraction system, ash effluent recycling system, on line stack monitoring and continuous AAQ monitoring equipments, plantation, etc as per details given below:</p> <table><thead><tr><th><u>Environment protection systems</u></th><th><u>Cost(Rs Crores)</u></th></tr></thead><tbody><tr><td>ESP</td><td>100.00</td></tr><tr><td>Online Stack Monitoring system for PM 2.5,PM10, SO2,CO,NOX</td><td>35.00</td></tr><tr><td>Ash handling system</td><td>37.00</td></tr><tr><td>Effluent & Sewage treatment</td><td>12.50</td></tr><tr><td>Dust suppression in coal yard</td><td>0.23</td></tr><tr><td>Ash Pond</td><td>80.00</td></tr><tr><td>AAQ Monitoring Systems</td><td>0.25</td></tr><tr><td>Green belt plantation</td><td>1.0</td></tr><tr><td>Total</td><td>265.98</td></tr></tbody></table> <p>Recurring expenditure towards environmental protection measures has been included in the Operational & Maintenance budget of the plant.</p>	<u>Environment protection systems</u>	<u>Cost(Rs Crores)</u>	ESP	100.00	Online Stack Monitoring system for PM 2.5,PM10, SO2,CO,NOX	35.00	Ash handling system	37.00	Effluent & Sewage treatment	12.50	Dust suppression in coal yard	0.23	Ash Pond	80.00	AAQ Monitoring Systems	0.25	Green belt plantation	1.0	Total	265.98
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AAQ Monitoring Systems	0.25																					
Green belt plantation	1.0																					
Total	265.98																					
15.	Full co-operation should be extended to Scientists/Officials from Regional Office Of Ministry at Bhopal who would be monitoring the compliance of environmental measures by providing environmental data, plans and related documents requested from time to time.	Full co-operation is extended to the visiting officials.																				

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Status of Compliance of Additional conditions stipulated in Environmental Clearance (EC) vide Letter no J-13012/45/08-IA II (T) dated 05.08.2009 to Jaypee Bina Thermal Power Plant, Bina for the period April,2014 to September,2014.

S.N.	Compliance Conditions	Status
1.	A sewage treatment plant shall be provided and the treated sewage shall be used for raising green belt / plantation	<p>A sewage treatment plant (STP) of 1000KLD is in Operation. The STP consists of two modules, each of 500KLD capacity. The STP comprises of:-</p> <ul style="list-style-type: none"> • Screen Bar, • Equalization tank, • Aeration tank, • Secondary clarifier and chlorination system. <p>The treated sewage water is used for green belt development / plantation and sprinkling.</p> <p>The sludge of STP is used as manure in Greenbelt Development.</p>
2.	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season.	Adequate safety measures such as water sprinklers have been provided in coal yard to check / minimize spontaneous fires in coal
3.	Storage facilities for auxiliary liquid fuel such as LDO and HFO/LSHS shall be made in the plant area in consultation with the dep't of Explosive, Nagpur. Sulphur content in the liquid fuel shall not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil	<p>Approval for storage of liquid fuel from Chief Controller of Explosive Nagpur has already been obtained vide letter no P/HQ/MP/15/2848(P271672) dtd 13.03.2012. This has been renewed and is valid up to 31.12.2023. Copy of renewed approval is enclosed as Annexure-11.</p> <p>The liquid fuel is sourced from Govt. owned agencies like IOCL/HPCL/BPCL etc. to ensure sulfur content within permissible limits of 0.5%.</p> <p>Disaster Management plan has been prepared which has been approved by Directorate, Industrial Health and Safety, MP, Indore vide letter no 15/32/B-2/MHC/VI/12/4201 dated 27.07.2012. Copy of the approval of On-Site Emergency Plan and Disaster Measure is attached as Annexure-12. This plan will take care of any eventuality in case of any accident.</p>
4	Adequate funds shall be allocated for undertaking CSR activities.	<p>A Separate fund has already been allocated for undertaking CSR activities. Fund allocation for various CSR activities is as below:</p> <p>(1) One time expenditure : Rs 35 Crores</p> <p>(2) Recurring expenses is met from annual budget as per requirement.</p>

		<p>Following CSR activities have been implemented for the benefits of surrounding area:</p> <ul style="list-style-type: none"> (a) Senior secondary school and Hospital (b) ITI (c) Renovation of 16 KM approach road. (d) Deepening of Kanera Canal (e) Various community welfare activities such as medical camps, family planning camps, temple and school renovation etc. (f) Funds have been allocated for setting up Polytechnic, women/ adult education, Forty bedded Hospital, Sanitation, Community center etc. (g) The plant is participating in Sanjeevani Project of the state government for healthcare of malnourished children in the age group of 05 months to 05 years of 30 villages around the plant site in Bina Tehsil.
5.	First aid and sanitation arrangement shall be made for the drivers and other contract workers during construction phase.	<p>A hospital with doctors & other paramedical facilities has been set up for the employees including drivers & contract workers.</p> <p>Sanitation facilities for contract workers and drivers have been provided.</p>
6.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after the completion of the project.	<p>Facilities for housing construction labours within the site with necessary arrangements such as Annapurna (Community Mess), drinking water connection, toilets and power connection etc. have been provided. Further, medical facilities including doctor and paramedical staff have been provided for the workers.</p> <p>Since both the units of the plant have been commissioned, the number of construction labour has been reduced substantially and only skeleton construction labours are working in the premises.</p>
7.	A copy of the compliance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban local Body and the Local NGO, if any from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Already Complied.
8.	The proponent shall upload the status of compliance of the stipulated EC condition, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ and NO _x (ambient levels as well as stack emissions) shall be monitored and	<p>The previous six monthly Compliance report of Environmental Clearance has been sent to the Regional Office of MoEF, Zonal Office CPCB at Bhopal and MPPCB vide letter no. JBTPP/EC Compl./2013-14/377, dated. 21/05/2014. It has also been uploaded on Company website.</p> <p>Four no's of Continuous Ambient Air Quality Monitoring stations have</p>

	displayed at a convenient location near main gate of the company in the public domain.	been established in consultation with SPCB and displaying arrangement near main gate of the company in the public domain has been made. Dedicated network for sharing the data with MPPCB & CPCB are under development. Photograph of AAQM is attached as Annexure-13 . Monitoring result of Ambient Air Quality is attached as Annexure-14.
9.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 EC conditions and shall also be sent to the respective Regional Offices of MOEF by e-mail.	Environment Statement for the financial year April 2013 – March 2014 has been submitted on 10/09/2014 to MPPCB, Bhopal.
10.	The project authorities shall inform the Regional Office as well as Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and dates of start of land development work and commissioning of plant.	The financial closure has already been achieved in November 2009. Consent to establish has been granted by MPPCB vide letter no 64/TS/MPPCB/2011 dtd 3rd January 2011. Two units (2x250 MW) have been commissioned after obtaining Consent for Operation by MPPCB, vide letter No.1818/TS/MPPCB/2013 dated 04.03.2013 under Air Act,1981 and 1816/TS/MPPCB/2013 dated 04.03.2013 under Water Act,1974. The Consents under Water and Air Acts have been renewed by MPPCB vide letters dtd. 09 .07.2014.

तार

Telegram : PARYAVARAN,
NEW DELHI

दूरभाष :

Telephone :

टेलिक्स (द्विभाषीय) :

Telex : (bi-lingual) : W-56185 DOE IN

FAX : 4360678

भारत सरकार

पर्यावरण एवं वन मंत्रालय

GOVERNMENT OF INDIA

MINISTRY OF ENVIRONMENT & FORESTS

पर्यावरण भवन, सी० जी० ओ० कॉम्प्लेक्स

PARYAVARAN BHAWAN, CGO COMPLEX

लोदी रोड, नई दिल्ली - 110003

LODHI ROAD, NEW DELHI-110003

Dated : 15.10.1997.

OFFICE MEMORANDUM

Subject: 2 x 289 MW Bina Thermal Power Project (Phase-I),
Madhya Pradesh by M/s Bina Power Supply Company
Ltd.

Reference is invited to this Ministry's Office
Memorandum of even number dated 23rd April, 1996 and 4th
December, 1996 regarding the above mentioned subject.

2. In view of our Notification No. 560 (E) dated 19th
September, 1997 regarding use of beneficiated coal for power
projects, there is no need to use beneficiated coal in the
proposed Bina Thermal Power Project as it is only 686 Kms
from the linked mine. As such, condition No. (ii) of our
O.M. dated 23rd April, 1996 may be read as under:-

(ii) Fly ash generated to the tune of 0.828 MT/day
should be utilised in Fal-G-Cement, brick making
etc. Full utilisation should be ensured by the
end of 9th year as proposed. Use of coal should
be restricted to 8100 tonnes/day.

3. Other conditions will remain unchanged.

✓ Shri R. Vaidyanathan,
Joint Executive President,
Bina Power Supply Company Ltd.,
E-7/726, Arera Colony,
Bhopal - 462 016 (M.P.).

A. K. Yagi
(NRL A.K. FYAGI)
Joint Director

Copy to:-

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

ANNEXURE- 2

FLY ASH BASED BRICK MANUFACTURING PLANT



No.J.13011/28/97-IA.II(T).

सं.सं. :

Telegram : PARYAVARAN,
NEW DELHI

दूरभाष :

Telephone : 4360478

टेलिक्स (द्विभाषीय) :

Telex : (bi-lingual) : W-55185 DOE IN
FAX : 4360678

भारत सरकार

पर्यावरण एवं वन मंत्रालय

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORE-

पर्यावरण मंत्रालय, सी. जी. ओ. कॉम्प्लेक्स

PARYAVARAN BHAVAN, C.G.O. COMPL

लोदी रोड, नई दिल्ली-110003

LODHI ROAD, NEW DELHI-110003

November 17, 1997.

CORREXENDUMSubject : 2 x 289 MW Bina Thermal Power Project (Phase-I), Madhya Pradesh
by M/s Bina Power Supply Company Ltd.Reference is invited to this Ministry's Office Memorandum of even number
dated 15th October, 1997 on the above subject.

2. In para X(ii), the figure 8100 tonnes/day may be read as 9000 tonnes/day.

Shri R. Vaidyanathan,
Joint Executive President,
Bina Power Supply Company Ltd.,
E-7/726, Arera Colony,
Bhopal.

Copy to :-

1. The Secretary, Ministry of Power, Shri Ram Shakti Bhavan, Raji Marg, N. Delhi.
2. The Chairman, Central Electricity Authority, R.K.Puram, Sewa Bhavan, New Delhi.
3. The Chairman, Central Pollution Control Board, East Arjun Nagar, Delhi-110032.
4. The Chairman, M.P. Pollution Control Board, Paryavaran Parishad, E-5, Arera Colony, Bhopal.
5. Regional Office, Bhopal.
6. Guard file.

NBhat
(Nalini Bhat)
Additional Director

NBhat
(Nalini Bhat)
Additional Director

JAYPEE BINA THERMAL POWER PLANT

Annexure-4



Natural Draft Cooling Towers

Red



BCI

तार

Telegram : PARYAVARAN,
NEW DELHINo.J.13011/28/92-IA.II.

दूरभाष :

Telephone : 4360478

टेलिक्स (द्विभाषीय) :

Telex : (bi-lingual) : W-66185 DOE IN

FAX : 4360678

भारत सरकार

पर्यावरण एवं वन मंत्रालय

GOVERNMENT OF INDIA

MINISTRY OF ENVIRONMENT & FORESTS

पर्यावरण भवन, सी० जी० ओ० कॉम्प्लेक्स

PARYAVARAN BHAWAN, CGO COMPLEX

लोदी रोड, नई दिल्ली - 110003

LODHI ROAD, NEW DELHI-110003

December 4, 1996

Subject: Bina Thermal Power Project Stage-I (2 x 289 MW) by
M/s Bina Power Supply Company Limited, M.P.

The undersigned is directed to refer to letter No.BPSC/DO/RV/96 dated 29th October, 1996 from M/s Bina Power Supply Company Limited regarding the above mentioned project.

2. The request for environmental clearance for the enhanced capacity of 2 x 289 MW as against the approved proposal of 2 x 250 MW has been examined and considering that the pollution load due to the enhanced capacity will be within the permissible limits, we have no objection to the installation of two units of 289 MW capacity each subject to the following conditions :-

- i) All the conditions stipulated vide our letter of even number dated 23rd April, 1996 should be strictly implemented.
- ii) The land requirement should be restricted to 726 ha with the following breakup.

Power Plant Area	260 ha
Ash Pond Area	326 ha
Other Area	115 ha
Pipeline etc.	25 ha

726 ha

- ✓ iii) Water consumption should be reduced from 4030 M3/hr to 3000 m3/hr. The pondage, therefore across Betwa river should also be reduced.
 - ✓ iv) Project activities should restrict coal consumption to 7824 tonnes/day.
3. It should be ensured that there is no further change in the project profile/design for Stage-I.

NBhat
(Nalini Bhat)
Additional Director

Shri R. Vaidyanathan,
Joint Executive President,
Bina Power Supply Company Ltd.,
UCO Bank Building,
Parliament Street,
New Delhi-110001.

copy to :

1. Secretary, Ministry of Power, Shram Shakti Bhavan, Rafi Marg, New Delhi.
2. Chairman, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal.
3. Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi.
4. CCF(Central), Regional Office, Bhopal.
5. Guard file.

(Nalini Bhat)
Additional Director

HDPE LINING AND CONCRETING OF ASH POND



Bt

ANNEXURE-8

ONLINE STACK MONITORING EQUIPMENT



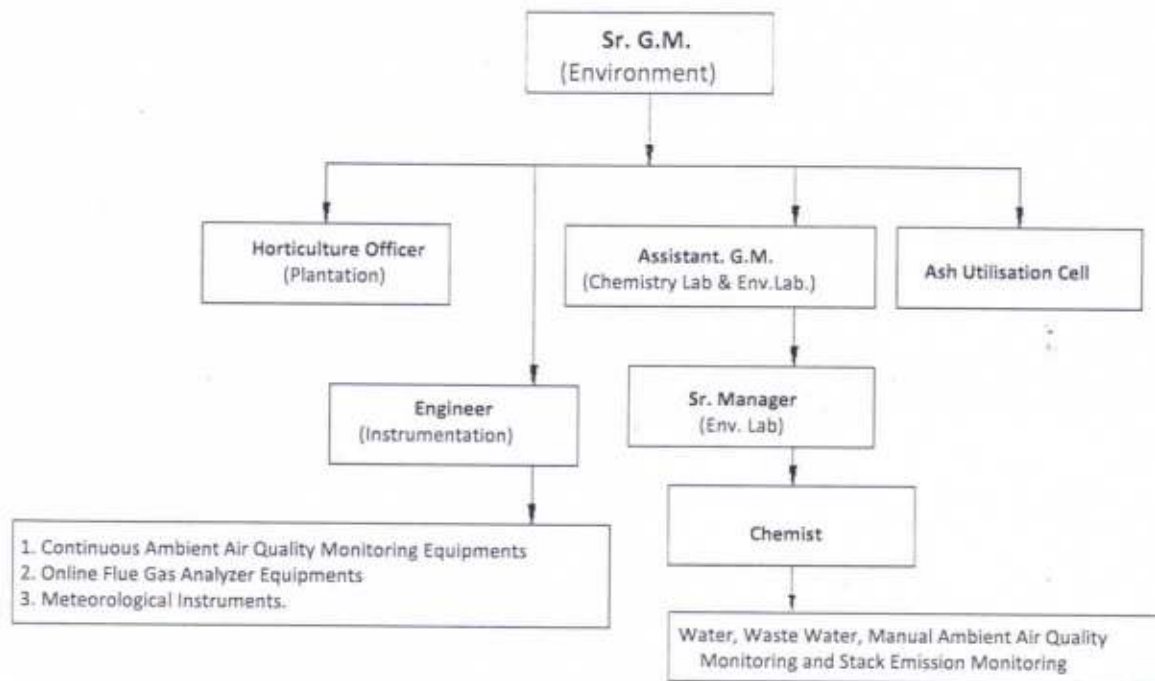
Ref

Jaypee Bina Thermal Power Plant

(A Unit of Jaiprakash Power Ventures Limited)

Village - Sirchopi Tehsil - Bina, District - Sagar (MP) -470113

Organogram of the Environment Management Cell



PH

Jaypee Bina Thermal Power Plant

(A Unit of Jaiprakash Power Venture Limited).

Village – Sirchopi Tehsil – Bina

District Sagar (M.P.)

List of Environmental Instruments:

1. pH Meter
2. Conductivity Meter
3. Turbidity Meter
4. Flame photo Meter
5. COD Digester
6. BOD Incubator
7. High Volume Sampler (APM-430)
8. Respirable Dust Sampler (APM-460 BL)
9. Stack Sampler (APM-610).
10. Barometer
11. Maximum-Minimum Thermometer
12. Electronic Balance

Bd

प्रारूप XV
(प्रथम अनुसूची का अनुच्छेद 6 देखिए)
FORM XV
(see Article 6 of the First Schedule)



अपिहापनों में पेट्रोलियम के आयात और भण्डारण के लिए अनुमति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

अनुमति सं. (Licence No.) P/HQ/MP/15/2848(P271672)

फीस रकम (Fee Rs.) 15000/- per

M/s. Bina Power Supply Company Limited, Bina Thermal Power Station, Village Sirchopi, Sub Post Office Agasod, P.O. Bina - 470 113, District: SAC State: Madhya Pradesh, PIN: 470113 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्रा में पेट्रोलियम 2800.00 KL आयात करने के लिए और उसका सीधे वर्णित अनुमोदित संपत्ति संख्या P/HQ/MP/15/2848(P271672) तारीख 13/03/2012 जो कि इससे उद्भव है, में दिखाए गए स्थान पर भण्डारण के लिए पेट्रोलियम अपिहापन के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुमति की अतिरिक्त शर्तों के अधीन रहते हुए यह अनुमति अनुदत्त की जाती है।

Licence is hereby granted to M/s. Bina Power Supply Company Limited, Bina Thermal Power Station, Village Sirchopi, Sub Post Office Agasod, P.O. Bina - 470 113, District: SAGAR, State: Madhya Pradesh, PIN: 470113 valid only for the importation and storage of 2800.00 KL Petroleum of the class and quantity herein specified and storage thereof in the place described below and shown on the approved plan No P/HQ/MP/15/2848(P271672) dated 13/03/2012 attas hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुमति 31st day of December 2023 तक प्रवृत्त रहेगी।

The Licence shall remain in force till the 31st day of December 2023

पेट्रोलियम का विवरण /Description of Petroleum

अनुमत मात्रा (फिलोलीटरों में) /Quantity
licenced in KL

वर्ग A प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	NIL
वर्ग A प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग B प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	NIL
वर्ग B प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग C प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	2800.00 KL
वर्ग C प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk	NIL

कुल क्षमता /Total Capacity

2800.00 KL

March 13, 2012

Chief Controller of Explosives

अनुमत परिसरों का विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुमत परिसर जिसकी विन्यास सीमाएं अन्य विविधियां संलग्न अनुमोदित संपत्ति में दिखाई गई हैं Plot No: Village Sirchopi, Sub Post Office Agasod, Bina Thermal Power Station, Tehsil Bina, District: SAGAR, State: Madhya Pradesh, PIN: 470113 स्थान पर अवस्थित है तथा उसमें निम्नलिखित Two aboveground Petrol Class C storage tanks together with other connected facilities. सम्मिलित है।

The licensed premises, the layout boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No: Village Sirchopi, Sub Post Office Agasod, Bina Thermal Power Station, Tehsil Bina, District: SAGAR, State: Madhya Pradesh, PIN: 470113 and consists of aboveground Petroleum Class C storage tanks together with other connected facilities. together with connected facilities.

अनुमति संख्या-(Licence No.) P/HQ/MP/15/2848 (P271672)

नवीनीकरण के पृष्ठांकन के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, 1934 के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुमति की शर्तों का उल्लंघन न होने की दशा में यह अनुमति फिर से बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकती है।
This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence

नवीकरण की तारीख
Date of
Renewal

समाप्ति की तारीख
Date of
Expiry of license

अनुमति प्राधिकारी के हस्ताक्षर और स्टाम्प
Signature and office stamp of the licensing
authority

1)

24/12/2013

31/12/2023


Dr Ashok Kumar Yadav
Dy. Chief Controller of Explosives
For Jt. Chief Controller of Explosives
Agra

यदि अनुमति परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाए जाते हैं और जिन नियमों और शर्तों के अधीन यह अनुमति मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुमति रद्द की जा सकती है और अनुमतिधारी प्रथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पश्चात्तर्ती अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा।

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.



ON-SITE EMERGENCY PLAN & DETAILED DISASTER CONTROL MEASURES

(As per Section 41-B (4) of the Factories Act, 1948)

NOTIFIED FINAL AND UPDATED
FOR SUBJECT TO STIPULATION MENTIONED
IN MEMO NO. 15/B-2/M.C. 11/2
DATED 32/

JAYPEE BINA THERMAL POWER PLANT

Division of Jaiprakash Power Ventures Limited
Ind. Health & Safety &
Chief Inspector of Factories
M.P. INDORE

Village- Sirchopi,

Sub Post Office- Agasod, Post Box No.1,

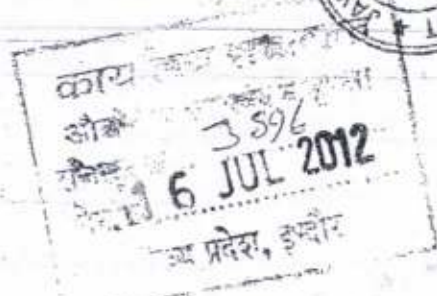
Post Office- Bina,

District- Sagar (MP) 470 113

Date: 25.06.2012



Signature
(Occupier)



AMBIENT AIR QUALITY MONITORING EQUIPMENT

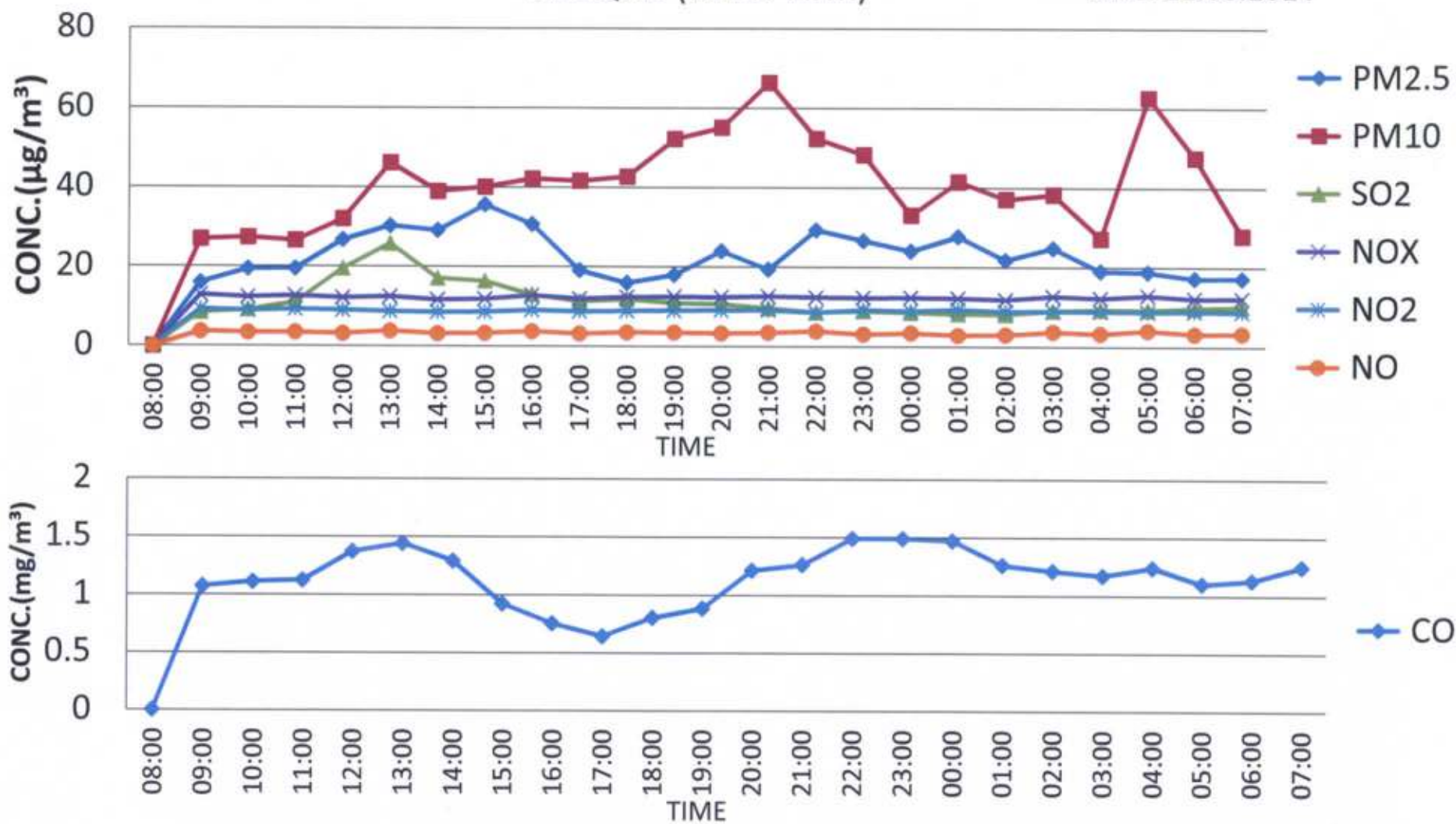


20/1

JAYPEE BINA THERMAL POWER PLANT

CAAQMS (NEAR ATM)

Date: 12.08.2014



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