JAYPEE NIGRIE SUPER THERMAL POWER PROJECT

POWER VENTURES LIMITED

JNSTPP/ EC/ MoEF/ 2017-18/15

Nov 01st, 2017

The Director Ministry of Environment, Forest & CC Govt. of India Regional Office, Western Region Bhopal - 462016 (M.P.)

Sub: Submission of Half Yearly Environmental Clearance Compliance Report of Jaypee Nigrie Super Thermal Power Project (A Division of Jaiprakash Power Ventures Limited) of 2x660 MW Coal Based Thermal Power Plant and 4.0 MTPA Cement Grinding Unit at village Nigrie, Tehsil Sarai, Singrauli Dist. in Madhya Pradesh.

Sir,

With reference to the above mentioned subject we are submitting the compliance report to Stipulated conditions of E.C. in hard and soft copy for the period (April 2017 - Sep 2017) of Jaypee Nigrie Super Thermal Power Project, EC reference nos.: J-13012/223/2007-IA-II(T) dated 25.02.2010 and its amendment dated 13.07.2012 for the JNSTPP (2x660 MW) & JNCGU (4.0 MTPA) for your kind record please.

Thanking You Yours Faithfully For Jaypee Nigrie Super Thermal Power Project (A Division of Jaiprakash Power Ventures Ltd.)

Vinod Sharma President (O & M)

Encl. - As above

CC to:

1) Zonal Office

Central Pollution Control Board Bhopal - (M.P.) 462016

2) Member Secretary Madhya Pradesh Pollution Control Board - For information please.

Bhopal (M.P.) 462016

- For information please.

3) Regional Officer

- For information please.

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Regd Office

Complex of Jaypee Nigrie Super Thermal Power Plant, Nigrie Tehsil Sarai District Singrauli 486669 (Madhya Pradesh)



Six Monthly Compliance Report

Of

Environmental Clearance Period: April' 2017- September' 2017

Of

1320 (2x660) MW Jaypee Nigrie Super Thermal Power Plant
&
4.0 MTPA Jaypee Nigrie Cement Grinding Unit
At
Nigrie, District Singrauli, Madhya Pradesh

Submitted To:

Regional Office, Western Zone
Ministry Of Environment, Forest & Climate Change
&
Zonal Office, Central Pollution Control Board, Bhopal
&
Madhya Pradesh Pollution Control Board, Bhopal

JAIPRAKASH POWER VENTURES LIMITED 2 X 660 MW Coal based Thermal Power Plant

15th Half Yearly Environmental Compliances statement of the stipulation of MoEF

EC Letter No.:- J-13012/223/2007-IA.II dated 25.02.2010 and Subsequent amendment in Environmental Clearance vide Letter No.J-13012/223/2007-IA.II (T) Dated 13.07.2012

Clause No.	Terms and Conditions Description as per EC letter	Compliance Status report
i.	Environmental Clearance is subject submission of complete details of R & R action plan (as applicable) with time schedule for implementation to the Regional Office of the Ministry and the Competent Authority in the state govt. The details shall include name of head of family wise details, the area of homestead and other land to be acquired and the compensation paid/proposed to be paid etc. The time schedule of implementation shall be given.	Our R&R plan has been submitted to the Regional Office of the Ministry vide our letter No. JPVL/JNSTPP/MOEF/2010 dated 20th January 2011. It was subsequently modified incorporating suggestions of MOEF and was resubmitted vide letter no JPVL/JNSTPP/MOEF/2011 dated 29.06.2011.
ii.	Hydro-geological study of the area shall be reviewed annually and results submitted to the Ministry and concerned agency in the State Govt. In case adverse impact on ground water quantity & quality is observed, immediate mitigating steps to contain any adverse impact on ground water shall be undertaken.	Hydro-geological study of the area is being carried out by M/s. Hydro Geo-survey Consultant Pvt. Ltd. Jodhpur, Rajasthan and reports submitted to concerned departments timely. The last study was done in August 2017. And the report submitted to the Regional Director, CGWB, Bhopal & the Director, MoEF CC, Bhopal with covering letter no. JNSTPP/Env/Water/2016-17 dated 27.Sep.2017. Water level from existing peizometer wells being carried out four times a year in premonsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons. Periodic review is being done. Quality of ground water is being monitored in and around the plant premises. Ground water level in nearby villages is also being monitored to know the seasonal fluctuations.

		There is no adverse impact found in the quality of Ground Water.
		Presently, JPVL is drawing water from surface water source (Gopad River), within quantity allocated (42 MCM) by DoWR, Madhya Pradesh for industrial and domestic purpose.
	Minimum required envi- ronmental flow sug- gested by the competent authority of the State	Being Complied, We have already obtained permission from water resource department Govt. of Madhya Pradesh for withdrawal of 42 MCM water for both Units from Gopad river.
iii.	Govt. shall be maintained in the Channel/Rivers even in lean season. It	The above quantity is adequate to meet the plant's requirement including lean season.
	shall be ensured that nat- ural drainage in the re-	All plant roads and drains are design based.
	gion is not disturbed due to activities associated with operation of the plant.	Natural Drainage in the region is not being disturbed due to the activities associated with the operation of the plant. Water harvesting pond has been constructed to manage runoff in colony area.
	A stack of 275 m height (Bi-flue) shall be provided with continuous online monitoring	Bi-flue Stack of 275 m height is installed with Online monitoring equipments for PM, SO ₂ , NO _x & Hg.
iv.	equipments for SO2, NOx and PM. Exit velocity of flue gases shall not be	The exit velocity of flue gases is more than 25.0m/sec as stipulated.
	less than 25 m/sec. Mercury emission from stack shall also be monitored on periodic basis.	Mercury measurement is also being done through online analyzers.
v.	For cement Grinding Unit two stacks of 55 m each with exit velocity not less than 10 m /s shall be in- stalled. Emission from	Two stacks of 55m each with exit velocity not less than 10 m/s have been installed for Cement Grinding Unit. Thermal India Ltd. has supplied and erected 2 nos. of Bag Houses attached to cement mills (Ball & Roll Press Mill) with guaranteed emission level of < 30 mg/Nm3 at full load. Each Bag House has 780 & 1188 bags respectively.
	the Grinding Unit shall not exceed 50 mg/Nm3.	Note: Cement Unit is in operation since July'17.
vi.	Fugitive emission in the grinding Unit shall be controlled and data on fugitive emission shall be maintained in a log book and duly signed by the Head, Environment on a daily basis.	Noted, To control fugitive emissions all raw material conveying belt conveyors are covered. Cyclones followed by bag filters are provided at all transfer points. Additionally, mobile water sprinklers are deployed in grinding Unit area to suppress fugitive dust while movement of vehicles on haulage roads.
vii.	High Efficiency Electros- tatic Precipitators (ESPs) shall be installed to en- sure that particulate	Highly efficient Electrostatic Precipitators (ESPs) with efficiency of 99.93 % have been installed for each boiler to meet particulate emission less than 50 mg/Nm3.
	sure that particulate emission does not exceed	

	50 mg/Nm3.	Continuous Online Emission Monitoring meters installed to Monitor emissions for both boiler stacks and data is being transmitted to MPPCB & CPCB Website, and the results are within the Norms.
		For stack U-I average concentration of PM is 35.35 mg/Nm3, maximum concentration is 45.89 mg/Nm3 & the minimum concentration is 26.64 mg/Nm3.
		For stack U-II average concentration of PM is 36.82 mg/Nm3, maximum concentration is 46.20 mg/Nm3 & the minimum concentration is 29.45 mg/Nm3.
		Adequate air pollution control measures such as dust extraction system (Cyclone followed by bag filters) in coal crusher and coal transfer points, jet sprinkler type dust suppression system in coal yard and dry fog type dust suppression system in belt conveyor have been provided.
	Adequate dust extraction system such as cyclones/bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.	A) 2 numbers of Dust extraction systems in Crusher House are Bag house type with Capacity 46,000 m³, 1 number of Bag house for each Bunker (Unit #1 & 2) with Capacity 41,000 m³
viii.		B) Dust Suppression system in Track Hopper for all 4 Paddle Feeders, for rake unloading at track hopper & for Emergency reclaiming hopper.
		C) Jet sprinkler type Dust Suppression system in Coal Yard area for Bucket wheel stacker cum reclaimer.
		D) Dry fog dust suppression system for all transfer points.
		Elaborated dust extraction & dust suppression system have been in- corporated in the design of ash handling plant.
	Utilization of 100 % Fly ash generated shall be	Fly ash silo established to collect dry ash for further utilization.
ix.	made from 4th year of operation of the plant. Status of implementation	Bottom ash is being disposed off in the ash pond in Slurry Disposal mode with Water: Ash ratio 3:1, with recirculation of ash water.
	shall be reported to the regional Office of the Ministry from time to time.	100% Fly Ash is being utilized as per Ash Utilization Notification, 2009, MoEF&CC and its subsequent amendents. Status of Implementation is being reported to Regional Office of MPPCB regularly.
	Fly Ash shall be collected in dry form and storage	Compliance assured. We have established a dry silo to collect dry fly
x.	facility (silos) shall be provided. 100% fly ash utilization shall be en-	ash & a fly ash bin of 400 metric tonne capacity for utilization of ash in cement grinding unit and a storage silo of 20,000 metric tonnes capacity for utilization of dry ash.
	sured from 4 th year on- wards. Unutilized fly ash shall be disposed off in	100% Fly Ash is being utilized as per Ministry of Environment, Forests and Climate Change Notification.

	the ash pond in the form of slurry. Mercury and other heavy metals (As, Hg, Cr, and Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.	Bottom ash is being disposed off in the ash pond in the form of lean slurry. Regular monitoring of heavy metals is being carried out periodically and submitted the same to MoEF along with the EC Compliance Report of June, 2017.
xi.	Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.	Well designed ash dyke with HDPE lining has been established as per the guidelines of MoEF, CEA & CPCB. Adequate safety measures were taken for any unforeseen incidents. Adequate safety measures also taken to protect the ash dyke from getting breached.
xii.	For disposal of Bottom Ash (if proposed to be undertaken) in abandoned mines shall be ensured that the bottom and sides of the mined out areas are adequately lined with clay before Bottom Ash is filled up. The project proponent shall inform the state Pollution Control Board well in advance before undertaking the activity.	Not applicable, as the disposal of bottom ash is not envisaged in any abandoned mines. Bottom ash is being carried in slurry form to the ash dyke situated inside the plant premises.
xiii.	Closed cycle cooling system with natural draft cooling towers shall be provided. The Effluents shall be treated as per the prescribed norms.	Recirculation type Closed cycle Cooling water system with Natural Draft Cooling Towers has been provided. The blow down is being treated adequately to meet the prescribed norms through High Rate Solid Contact Clarifier (HRSCC), Dual Media Filter (DMF), Ultra Filtration Unit (UF) and RO system and reused in Cooling Tower Makeup, Service Water and HVAC system. The RO reject water is used in Dust Suppression in Coal Handling Plant Areas.

		Т	REAT	ED EFFL	UENT A	NALYS	IS	
		For the	For the period of April 2017- September 2017					
		Month	рН	SS (ppm)	TDS (ppm)	COD (ppm)	O&G (ppm)	BOD (ppm)
		April -17	7.25	48.00	1275	65.00	1.08	14.10
		May -17	7.60	27.50	1550	62.50	1.80	15.00
		June -17	7.50	37.50	1138	68.75	1.09	16.30
		July -17	7.68	29.6	1117	57.41	1.02	14.20
		August -17	7.21	32.48	1108	61.47	1.14	17.5
		September -17	7.35	30.80	1142	63.50	1.24	20.7
xiv.	The treated effluents conforming to the prescribed standards only shall be recirculated and reused within the plant. There shall be no discharge outside the plant boundary except during monsoon. Arrangements shall be made that effluents and storm water do not get mixed. A sewage treatment plant		l within nented network downstart Plant	n the pla except d ck establi tream wa has bee premises	shed for ater qual on install sfor gree	concept onsoon prestorm white of Go	of "Zero period. ater. ppad Riv eated was evelopme	Discharger is beir
XV	shall be provided and the treated sewage shall be	Month	pН	SSp	pm	COD pp:		OD ppm
xv.	treated sewage shall be	April -17	7.01	7.0	,,			8.40
xv.	used for raising green-	May -17	7.23	3 7.9	90	40		7.20
xv.		May -17 June -17	7.23 7.41	3 7.9 1 8.4	90	40 42		7.20 7.80
XV.	used for raising green-	May -17 June -17 July -17	7.23 7.41 7.66	3 7.9 1 8.4 5 8.2	90 40 10	40 42 37		7.20 7.80 7.30
xv.	used for raising green-	May -17 June -17 July -17 August -17	7.23 7.41 7.66 7.34	3 7.9 1 8.4 6 8.5 4 8.4	90 40 10 40	40 42 37 42		7.20 7.80 7.30 8.20
xv.	used for raising green-	May -17 June -17 July -17	7.23 7.41 7.66	3 7.9 1 8.4 6 8.5 4 8.4	90 40 10 40	40 42 37		7.20 7.80 7.30

shall be furnished.

	ı	
xvii.	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant lay out shall be submitted to the Ministry as well as to the Regional	A Fire tender with requisite team is in place at site which is also supporting the requirements in the neighboring villages with adequate safety measures to take preventive control measures. Mock drills are being conducted periodically. Fire hydrant and water jet type sprinklers established in the coal yard. Reviewed On Site Emergency Plan (after a period of two years) for Jaypee Nigrie Super Thermal Power Plant was Submitted to The Director, Industrial Health & Safety, Indore vide letter No.3087 dated 17/10/2016.
xviii.	Storage facilities for auxiliary liquid fuel such as LDO and HFO/LSHSA shall be made in the plant area in consultation with the Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventually in case of an accident taking place due to storage of oil.	The design of the plant meets the requirements. Storage facilities for auxiliary liquid fuel are made in the plant area in consultation and consent obtained from Department of Explosives, Nagpur. Quality of liquid fuel would meet the standard stipulated. While procuring LDO/HFO, it is checked that limit of sulphur content shall not be more than 0.5%. The fuel LDO & HFO properly stored in minimum risk area & as per the norms fixed by the Chief Controller of Explosive. Disaster Management Plan has been in place prior to Commissioning of the Project. Mock drills are being conducted periodically. A Fire tender with requisite team is in place at site which is also supporting the requirements in the neighboring villages. License No. P/HQ/MP/15/2877(P311712) dated 14th June 2013 has been obtained from Petroleum and Explosive Safety Organization (PESO), Nagpur for our Petroleum Class C in bulk installation.
xix.	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg, Cr, As, Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure	Eight Peizometer locations are identified around the Ash ponds. Regular monitor of heavy metals is being carried out.

	that the ground water quality is not adverse af- fected due to the projects.	
xx.	Green belt consisting of 3 tiers of plantations of native species around plant and at least 100 m width shall be raised. Wherever 100 m width is not feasible a 50 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not less than 2500 per ha with the survival rate not less than 70%.	 Complied with and Green belt development/ plantations are being carried out on available land. An effective green belt is being developed with local species as per CPCB guidelines, Efforts are further made to develop more green belt in the plant. A nursery is established at site. Besides this, we have also developed lawn & gardens to create aesthetic view inside the plant premises. Required Green belt & Green cover being developed continuously. Greenbelt being developed in a phased manner along the periphery of the Power Plant and Grinding Unit. Adequate green belt developed in and around the Project. More than 33% of area in and around Power plant i.e. around 61.0 hectares & in Cement plant i.e. around 6.0 hectares of green belt has been developed as per guidelines given by CPCB.
xxi.	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	First Aid and sanitation facility provided for the drivers and contract workers during construction phase. Site sanitation and housekeeping is maintained regularly. 10 beds Hospital at site is equipped with all required facilities for First Aid.
xxii.	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 75 dB (A). For people working in the high noise area, requisite personal protective equipment like ear plugs/ear muffs etc shall be provided. Workers engaged in noisy area such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment of any hearing loss including shifting to non noisy /less noisy areas.	 Complied, the steam turbine (ST) is enclosed in the building and acoustic enclosures are provided to minimize noise from these machines. All The equipments are provided with acoustic hoods to control noise. The ambient noise level is well below 75 dBA (day time) and 70 dBA (night time) as prescribed under EPA rule, 1989. Ambient noise levels in and around the Plant area are monitored regularly by M/s Vardan Enviro lab, Gurgaon. Noise levels are well under the limit. All safety items like Ear muffs, Helmets, Shoes, Nose filters, spectacles are provided to all the employees and made mandatory. Periodic audiometric check up is being carried out and records are being maintained.

NOISE LEVELS FOR THE PERIOD OF April 2017- September 2017

Month	ST-1	ST-2	Air Compressor House
April -17	80.2	79.8	73.5
May -17	80.4	80.1	73.7
June -17	80.7	80.3	73.8
July -17	80.9	80.5	74.0
August -17	81.2	80.8	74.1
September -17	81.4	81.0	74.3

NOTE - Spot Noise Levels at 1 meter distance from turbine in db(A)

- ➤ Baseline monitoring was conducted during EIA. Weekly monitoring during operational phase is being carried out regularly.
- ➤ In case of any exceedance, necessary control measures are ensured.
- ➤ Four continues Ambient Air Quality Online Monitoring Stations are provided along the boundary considering the wind rose/wind directions and the total data of the stack and Ambient air is connected with MPPCB server at Bhopal & CPCB server at Delhi.
- ➤ Compliance on EC conditions including results of monitoring data is being uploaded in unit's web site along with EC Compliance Report and displayed at the main gate of the company.
- ➤ Regular monitoring of PM10, PM2.5, SO₂ & NO_x is being carried out as per frequency & monitoring results are well within the norm.
- Offline Monitoring results are being submitted to MPPCB quarterly.

Regular monitoring of Ground level concentration of SO2, NOX. RSPM and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of the Ministry. The data shall also be put on the website of the company.

AAQM Results For the period of April 2017- September 2017

LOCATION : Near STP - Colony area							
	PM2.5 PM10 SO2 NOX CO						
	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(mg/m3)		
Minimum	16.9	44.00	4.40	9.30	0.53		
Maximum	38.10	73.10	9.00	18.80	0.75		
Average	26.51	56.54	6.89	13.49	0.63		

xxiii.

]	LOCATIO	N : Near H2	Gas cylind	ler shed	
			PM2.5	PM10	SO2	NOX	CO
			(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(mg/m3)
		Minimum	24.50	49.90	5.00	8.00	0.44
		Maximum	40.00	70.00	8.50	18.30	0.63
		Average	31.22	59.47	6.62	13.24	0.53
		LOCA		ear Watch to			
			PM2.5	PM10	SO2	NOX	CO
		Minimum	(μg/m3)	(μg/m3)	(μg/m3)	(μg/m3)	(mg/m3)
		Maximum	24.80 46.20	58.90 83.00	5.50 12.00	11.40 26.10	0.50 0.86
		Average	34.30	70.26	8.54	18.09	0.68
		Avelage		ON : Near f			0.00
			PM2.5	PM10	SO2	NOX	СО
			(µg/m3)	(μg/m3)	(µg/m3)	(μg/m3)	(mg/m3)
		Minimum	25.10	59.20	4.40	11.40	0.60
		Maximum	40.90	75.20	8.50	23.00	0.80
		Average	33.19	66.18	6.57	16.74	0.71
xxiv.	& R (if applicable) with package for the project affected persons be submitted and implemented as per prevalent R & R policy within three months from the date of issue of this letter.	The report has our letter No. J It was subseque was resubmitt 29.06.2011.	PVL/JNST	PP/MoEF/202	10. rating sugg	gestions of	MOEF and
xxv.	An amount of Rs. 24 crores shall be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs. 4.8 Crore per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within one month along with road map for implementation.	report JPVL/J. The carties and pendits The coordinate Provide lages. Unit is cal can activities	already son NSTPP/MC pital fund of Rs. 4.8 Coure. Impany is conject as perioristration. Ing drinking drinking drinking drinking drinking es, women	et earmarked ubmitted to DEF/2010 dat of Rs 24 Cro rores per and carrying out the direction water faciliting on CSR ges, Plantation empowerments and carrying out of the direction of the directi	the ministed 20.01.20 res is earm num fund CSR activities and guiltity benefit Activities lon programent, etc	stry vide 1 011 and 29. narked for kept for re ities in the idance of ting to the like conducts, Road de	detter no 06.2011. CSR activicurring exvicinity of the District nearby vil- cting Medievelopment
		Total e Crores	-	e incurred u	p to Septe	mber, 2017	7 is Rs 2.06

	1 000	
	As part of CSR programme the company	
	shall conduct need based	
	assessment for the nearby	
	villages to study econom-	Based on Need Base Assessment Study for development of nearby
	ic measures with action	villages, an action plan was worked out for income generating
	plan which can help in	projects for up-liftment of poor section of society.
	upliftment of poor sec-	projecto for up intinent of poor section of society.
	tion of society. Income	The following activities were undertaken:
	generating projects con-	The following detivities were diluctuated.
	sistent with the tradition-	Sardar Patel Uchchtar Madhyamik Vidyalaya was started functioning
	al skills of the people be-	up to class five w.e.f. July, 2011 and subsequently upgraded up to
	sides development of	10th class in July 2016 session.
xxvi.	fodder farm, fruit bearing	Total class in July 2016 session.
	orchards, vocational	Annanuma mass is carrying the free mid day meal to students
	training etc. can form a	Annapurna mess is serving the free mid day meal to students.
	part of such programme.	An ITI institute is being constructed for development of skilled man
	Company shall provide	power in nearby areas of project.
	separate budget for	power in hearby areas or project.
	community development	Other CSR activities include Stipend for secondary school students,
	activities and income ge-	Paying tribute to Old Age Persons, Vocational Training for students,
	nerating programmes.	and Drinking Water facility to local habitants.
	This will be in addition to	and Diffiking water facility to local flabitalits.
	vocational training indi-	
	viduals imparted to take	
	up self employment and	
	jobs.	
	Provision shall be made	
	for the housing of con-	
	struction labor within the	
	site with all necessary	
	infrastructure and facili-	
	ties such as fuel for cook-	
	ing, mobile toilets, mobile	Labor hutments had been established & developed with all required
xxvii.	STP, safe drinking water,	amenities like toilet, drinking water & infrastructure like internal road
	medical health care etc.	etc. for construction phase only.
	The housing may be in	
	the form of temporary	
	structures to be removed	
	after the completion of	
	the project.	
	The project proponent	
	shall advertise in at least	
	two local newspapers	
	widely circulated in the	As mandated, We have informed the public through the local news-
xxviii.	region around the project	paper announcement in vernacular language that the project has been
	, one of which shall be in	accorded environmental clearance by the ministry and copies of the
	the vernacular language	clearance are available with state pollution control board/committee
	of the locality concerned	and may also seen at website of the MoEF at http:/envfor.nic.in.

	within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen as Website of the Ministry of Environment and Forests at http://envfornic.in	
xxix.	A copy of the clearance 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, received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Copy of EC accorded has been sent to local panchayat & Zila parishad. We have uploaded our EC in our company website.
XXX.	A separate Environment Managements Cell with qualified staff shall be set up for implementation of the stipulated environ- mental safeguards.	We have formed a separate full-fledged Environment management department headed by Plant Head supported by Add. General Manager, Chief Engg., Asst. Officer and chemists of laboratory and technician for implementation and compliance.
xxxi.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM,	Complied, We are regularly sending six monthly compliance reports to MOEF & CC regional office, CPCB and SPCB every 6 months, The same has been sent by email also. Six monthly Compliance on EC conditions including results of monitoring data is being uploaded in unit's web site and We have also made available relevant critical parameters in display board near the main gate.

	RSPM, SO2, NOX (ambient levels as well as stack) shall be displayed as a convenient location near the main gate of the company in the public domain.	
xxxii.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well by email) to the respective Regional Office OF MoEF, the respective Zonal Office of CPCB and the SPCB.	Complied, six monthly compliance reports are regularly submitted to MoEF, CPCB & MPPCB. The same also being sent by email. Last compliance report had submitted in May'17 for the period of October 2016– March 2017 vide our letter no: JNSTPP/ EC/ MoEF/ 2016-17/14 dated May 13th, 2017
xxxiii.	The environment statement of each financial year ending 31st September 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 status of compliance of EC conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	Compliance assured, Submitted Environmental Statement in Form-V to the State Pollution control Board authorities in the month of Sept'17 for the financial year 2016-17 vide letter no. JVPL/EC/ES/2016-17 dated September 25 th , 2017. It is put on the website of the company.
xxxiv.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State	Being complied, six monthly Environmental Clearance compliance status report is regularly submitted to MoEF, CPCB and SPCB. Compliance status updated on Company's website.

	T	,
	Pollution Control Board.	
	The project proponent	
	shall upload the status of	
	compliance of the envi-	
	ronment of the environ-	
	mental clearance condi-	
	tions on their website and	
	update the same periodi-	
	cally and simultaneously	
	send the same by email to	
	the Regional Office, Min-	
	istry of Environment and	
	Forests.	
	Regional Office of the	
	Ministry of Environment	
	& Forests will monitor	
	the implementation of the	
	_	
	stipulated conditions. A complete set of docu-	
	ments including Envi-	
	=	
	ronmental Impact As-	
	sessment Report and En-	
	vironment Management	
	Plan along with the addi-	Will be complied with, Six monthly Environmental Clearance com-
	tional information sub-	pliance status report is regularly submitted to MoEF, CPCB and SPCB.
	mitted from time to time	
xxxv.	shall be forwarded to the	Compliance status updated on Company's website.
	Regional Office for their	
	use during monitoring.	Display board already installed in main gate.
	Project proponent will	
	up-load the compliance	Results are being displayed at Main gate of the plant.
	status in their website	
	and up-date the same	
	from time to time at least	
	six monthly basis. Crite-	
	ria pollutants levels in-	
	cluding NOx (from stack	
	& ambient air) shall be	
	displayed at the main	
	gate of the power plant.	
	Separate funds shall be	➤ Complied, Environmental protection measures i.e., Dry low
	allocated for implementa-	NOx burners, constructions of 275m stack with CEMS, Noise
xxxvi.	tion of environmental	protection, effluent treatment, green belt development have
	protection measures	been included in project capital cost & Suppression of fugitive
	along with item-wise	emission, plantation in the periphery of the project area, con-
	break-up. These cost shall	stant monitoring of the pollution affects within the project
	be included as part of the	area etc.
	project cost.	
	The funds earmarked for	
<u> </u>	Turner curinamea for	

	the environmental protection measures shall not be diverted for other purposes and year -wise expenditure should be reported to the Ministry.	 Dedicated fund has already been allocated and being utilize for Environmental Protection measures. Environmental protection during Construction is being complied as per normal procedure. Recurring expenditures for the period April 17 to September 17 is as below:
		Green Belt Development - Rs 51,12,000 /- Maintenance cost in CHP - Rs 44,75,298 / - Operation cost in ESP - Rs 2,42,79,136 / - Operation Cost of ETP - Rs 51,24,464 /- Operation Cost of STP - Rs 6,69,332 / -
xxxvii.	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.	Complied, The project has achieved Financial Closure on 07/05/2010.
xxxviii.	Full cooperation shall be extended to the Scientists/Officers from the Ministry /Regional Office of the Ministry at Bangalore/CPCB/SPCB who would be monitoring the compliance of environmental status.	Company will cooperate and extend full support to the concerned authorities.
xxxix.	Bag house and dust suppression shall be installed in packing area to control the particulate and fugitive emissions.	 We have provided adequate air pollution control measures such as dust collection and extraction system (Cyclone followed by bag filters) in CGU to control fugitive dust emissions at various transfer points, raw mill handling like unloading, conveying, transporting and stacking, Dry Fog Type Dust Suppression System (DFDS) in belt conveyor have been provided. Cover sheds were provided for all raw material stock like Gypsum etc. All conveyers are covered by GI sheets. Closed clinker silo has been constructed to avoid fugitive dust

