

JNSTPP/ EC/ MoEF/ 2016-17/12 May 28th, 2016

The Director
Ministry of Environment Forest & CC
Regional Office
Govt. of India
Kendriya Paryavaran Bhawan
Link Road No. 3, Ravi Shankar Nagar
Bhopal – 462016

Sub: Submission of Six Monthly Environmental Compliance Report of Jaypee Nigrie Super Thermal Power Project (A unit of Jaiprakash Power Ventures Limited) at village Nigrie, Dist. Singrauli. M/s Jaiprakash Power Ventures Limited.

Sir,

Please find enclosed herewith the six monthly Environmental Compliance report in hard and soft copy for the period (October 2015–March 2016) 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) & 4.0 MTPA Cement Grinding Unit for your kind record please.

Thanking You

Yours Faithfully

For (Jaypee Nigrie Super Thermal Power Project)

(Unit of Jaiprakash Power Ventures Ltd.)

(Vinod Sharma) President (O & M)

Encl. - As above

CC to:

1) Zonal Office

Central Pollution Control Board Shankar Bhawan , 3rd Floor North T.T nagar, Bhopal – (M.P.) 462016 - For information please.

2) Member Secretary

Madhya Pradesh Pollution Control Board Paryavaran Parisar, E – 5, Arera Colony

- For information please.

For information please.

Bhopal (M.P.) 462016

3) Regional Officer

D-3 Russian complex, Vindhya Nagar

NTPC, Vindhyanagar

Madhya Pradesh Pollution Control, Singrauli

: Jaypee Nigrie Super Thermal Power Project, Village & P.O. Nigrie, Tehsil Deosar,

Distt. Singrauli (M.P.) Ph. : +91 (7801) 286021-36 Fax : +91 (7801) 286020

Corp. Office : Sector - 128, Noida - 201304, Uttar Pradesh (India)

Ph. : +91 (120) 4609000, 2470800 Fax : +91 (120) 4609464, 4609496

Head Office: 'JA House', 63, Basant Lok, Vasant Vihar, New Delhi - 110 057 (India)
Ph.: +91 (11) 26141540, 26147411 Fax: +91 (11) 26145389, 26143591

Regd. Office: JUIT Complex, Waknaghat, P.O. Dumehar Bani, Kandaghat-173215, Distt. Solan (H.P.)
Ph.: +91 (1792) 257999, 245367 Fax: +91 (1792) 245362

Website: www.jalindia.co.in CIN: L40101HP1994PLC015483



Name of Project: Jaypee Nigrie Super Thermal Power Plant of 2x660 MW capacity and Jaypee Nigrie

Cement Grinding Unit with 4.00 MTPA capacity
Clearance Letter No: J-13012/223/2007-IA.II dated 25.02.2010 **Project Code -** PCB ID - 26876

and amendment dated 13.07.2012

Period of Compliance Report : Oct. 2015 to March 2016

No.	Conditions	Status
i.	Environmental Clearance is subject submission of complete details of R & R action plan (as applicable)	Details of R&R plan with time bound schedule was submitted to MoEF vide our letter no JPVL/JNSTPP/MOEF/2010 dated 20.01.2011. It was subsequently modified incorporating suggestions of MOEF and was resubmitted vide letter no JPVL/JNSTPP/MOEF/2011 dated 29.06.2011.
	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.	
ii.	Hydro-geological study of the area shall be reviewed annually and results submitted to the Ministry and concerned	The hydro-geological study of the area is being carried out regularly by M/s. Hydro-Geosurvey Consultants Pvt. Ltd, Jodhpur and summary of report in respect of hydro-Geological studies carried out are being submitted regularly.
	agency in the State Govt. In case adverse impact on ground water quantity & quality is observed, immediate	Report of the Hydro-geological study carried out during 2014-15 is already submitted with EC compliance report of May 2015. As per the hydro-geological study carried out, there is no adverse impact on ground water quality & quantity.
	mitigating steps to contain any adverse impact on ground water shall be undertaken.	Hydro-geological study & Lean Flow of Gopad River study done in July 2015 .
iii.	Minimum required environmental flow suggested by the competent authority of the State Govt. shall be maintained in the Channel/Rivers even in lean season. It shall be	A water reservoir for storage of water for 60 days at full load operation on the land having area of 80 ha has been constructed in two compartments. Minimum required environmental flow of 0.50 cusecs suggested by the Office of Chief Engineer (BODHI), Water Resources Department, Bhopal, Government of Madhya Pradesh is maintained in the River even in lean season.
	ensured that natural	

	drainage in the region is	It is ensured that natural drainage of area is not disturbed, the
	not disturbed due to activities associated with operation of the plant.	drainage scheme of the project is so designed to route adjoining area rain/ drainage water via plant storm water drainage system and finally to follow the path of natural drainage.
iv.	A stack of 275 m height (Bi-flue) shall be provided with continuous online monitoring equipments for SO ₂ , NOx and PM. Exit velocity of flue gases shall not be less than 25 m/sec. Mercury emission from stack shall also be monitored on periodic basis.	The 275 m height bi-flue chimney has been constructed. On-line monitoring equipment for SO ₂ , NOx, Particulate Matter and Mercury emission has been installed & commissioned on the stack. The designed velocity of flue gas from stack is much higher (29 m/sec) against minimum requirement of 25 m/sec. Mercury emissions are also monitored continuously 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 installed. Emission from the Grinding Unit shall not exceed 50 mg/Nm³.	Two stacks of 55m each with exit velocity not less than 10 m/s have been installed for Cement Grinding Unit. Thermax India Ltd. has supplied and erected 2 nos. of Bag Houses attached to cement mills (Ball & Roll Press Mill) with guaranteed emission level of <50 mg/Nm³ at full load. Each Bag House has 780 & 1188 bags respectively. For Roller Press Stack the average concentration of PM is 20.90 mg/Nm³, maximum concentration is 30.15 mg/Nm³ & the minimum concentration is 12.13 mg/Nm³.
		mg/Nm³, maximum concentration is 31.24 mg/Nm³ & the minimum concentration is 8.80 mg/Nm³.
vi.	book and duly signed by the Head, Environment on a daily basis.	Being complied. We have installed 34 no. of Bag Filters at various source points to control the fugitive emission as per CPCB guidelines. Regular monitoring of Fugitive Dust Concentrations in the Cement Grinding Unit is being carried and Record on the data is maintained.
vii.	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm³.	The High Efficiency ESP installed by M/s. BHEL (A Govt. of India Undertaking), with guaranteed emission level of less than 50 mg/Nm³ with one field out of service at full load with worst coal. Each ESP has six passes and each pass, having 16 fields (i.e. total 96 fields) in the ESP. For Stack U-I maximum concentration of PM is 39.98 mg/Nm³, minimum concentration is 21.24 mg/Nm³ & the average concentration is 30.61 mg/Nm³.
		For Stack U-II maximum concentration of PM is 46.05 mg/Nm³, minimum concentration is 29.17 mg/Nm³ & the average concentration is 37.61 mg/Nm³.

viii	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	Adequate dust extraction & dust suppression systems such as bag filters and water sprinkling system have been installed, in dusty area like coal handling, ash handling, transfer points and other dust generation areas of the plant. We have installed 7 nos. of bag filters at various point source emissions to control the fugitive emission.
	vulnerable dusty areas	Fly ash Handling Plant:
	shall be provided.	Intermediate Silo – 02 No.
		Coarse Surge Hopper – 02 No.
		Coal Handling Plants
		Coal Handling Plant: Coal Bunker
		Crusher House – 01 No.
ix	Utilization of 100 % Fly ash generated shall be made from 4th year of operation of the plant.	On full load of power generation, it requires to fire coal up to 5.7 Million Ton per annum with maximum ash content of 28.80% in the coal from the dedicated blocks, the annual fly ash generation shall be 1.177 MTPA.
	Status of implementation shall be reported to the regional Office of the Ministry from time to time.	Total Ash Generation- 1.477 MTPA (Fly ash - 1.177 MTPA & Bottom Ash - 0.30 MTPA). • Consumption in adjacent Cement Grinding Unit- 1.20 MTPA
		Consumption of Fly ash in nearby Cement Plants (Jaypee Rewa, Bela & Sidhi) - 0.588 MTPA
		100% utilization of Fly ash in cement manufacturing since inception.
		Fly Ash Generation & Usage details for the period Oct 2015 to March 2016 is as follows:
		Fly Ash generated : 516247.7 Metric Tonne Usage of Fly Ash : 461407.32 Metric Tonne
X	Fly Ash shall be collected in dry form and storage facility (silos) shall be provided 100% fly ash utilization shall be ensured from 4 TH year onwards. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating	Fly ash is collected in dry form only. TPP discharges Fly ash into day Silo and from day Silo it is pneumatically conveyed to a large Fly ash storage Silo (20,000 MT) within Cement Grinding Unit. 100% utilization of Fly ash from since inception. Bottom ash is being carried in slurry form to the ash dyke situated inside the plant premises. Ash dyke is lined with fine sand then HDPE (1 mm thickness) lining and over that PCC. Bottom Ash will also be suitably utilized after drying to meet the stipulation of Fly ash Notification. Heavy metals i.e. As, Hg, Cr, Pb etc. are being monitored periodically.
	from the existing ash pond. No ash shall be	

	disposed off in low							
	lying area. Ash pond shall be lined	The H	IDPF lir	ning of 1 00 mm is	nrovideo	to prever	nt any leachi	nσ
xi	with HDPE/LDPE lining or any other	Ash I	The HDPE lining of 1.00 mm is provided to prevent any leaching. Ash Dyke embankment has been constructed with a layer of fi					of fine
	suitable impermeable media such that no	ı		OPE lining 1 mm y of any breach or			nat PCC to p	rotect
	leachate takes place at	ine pe	383101111	y of any breach of	i chibank	incit.		
	any point of time.							
	Adequate safety measures shall also be							
	implemented to protect							
	the ash dyke from							
	getting breached For disposal of Bottom	Botto	m ash is	s being carried in	slurry fo	rm to the	ash dyke sit	uated
xii	Ash (if proposed to be	inside	the pla	ant premises. Bott	tom Ash	will also b	e suitably ut	
	undertaken) in abandoned mines shall	after o	drying t	o meet the stipula	ition of Fl	y ash Noti	fication.	
	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.							
	Closed cycle cooling	Cooli	_	Vater is in	close	circuit		stem.
xiii	system with natural draft cooling towers			Tower blow dow d norms throug				
	shall be provided. The	(HRS	CC), Dı	ıal Media Filter (DMF), U	ltra filtrati	on Unit (UF	i) and
	Effluents shall be			nd reused in Cool	ing Towe	r makeup,	service water	er and
	treated as per the prescribed norms.	HVA	C syster	n.				
		Treate	ed wate	r Analysis result	s are:			
			Sr.	Testing	O	bserved v	alue	
			No.	Parameters	Min	Max	Average	
			1	рН	7.1	7.6	7.4	
			2	TSS (mg/l)	38.0	51.0	44.9	
			3	TS (mg/l)	421.0	524.0	482.7	
			4	COD (mg/l)	36.0	74.0	56.2]
			5	BOD (mg/l)	3.0	8.0	5.1	

			6	Oil & Grease (mg/l)	3.9	6.0	5.2	
		The R Plant		t water is used ir	n Dust Su	ppression	in Coal Hai	ndling
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 shall be provided and the treated sewage	circul outsic have have have have have have have have	ated and le the place was a storm was a st	effluent conforming definition of the reused within the conforming of the conforming exacts of t	the plant. Accept duri and storm Theme wi with efflue nciple the mprising and Reve is recycle talled & u	There shating monso water does thin the pent. The ETP system of collocatorse Osmored and used under open plantation	Il be no discon. Arrange is not get missolant has bettem/Waste ition, clarification, clarification in system arration. The tan Solid resident.	charge ements en so Water cation, tem is again.
	shall be used for raising greenbelt/plantation	follov	vs.	I		Olasson	. 1 1	
			Sr.	Testing		Observ	ed value	
			No.	Parameters	Miı	n Ma	x Aver	age
			1	рН	7.5	7.7	7 7.6	5
			2	BOD (mg/l)	5.0	16.0	0 8.6	5
			3	COD (mg/l)	48.0	77.4	4 59.	2
			4	S.S (mg/l)	6.0			
xvi	Rainwater harvesting should be adopted. Central Groundwater Authority/Board shall be consulted for finalization of appropriate rainwater harvesting technology within a period of three months from the date of clearance and details shall be furnished.	prepa The sa their a constr	ared an ame is a approva ructed i	or Rain Water had forwarded with also sent to Central before implement the township are	th comp al Ground entation. A ea for rain	liance rep I Water Au Also, a sur n water ha	oort of June athority/Boa face water b rvesting.	e,2013. ard for ody is
xvii	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season.	and coal Mana	other pr yard. gement	ety measures incl ovision are provi The duly appr Plan was already 12/6175 dated 04	ded to moved Or submitt	iinimize sp nsite and ed vide le	oontaneous Offsite D	fire in isaster

	1	
	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	
	Office of the Ministry.	
xviii	Storage facilities for auxiliary liquid fuel	Storage facilities for auxiliary liquid fuel such as LDO and HFO have been installed in the plant area with approval of Department
	such as LDO and HFO/LSHSA shall be made in the plant area	of Explosives, Nagpur, vide letter no. A/P/HQ/MP/15/3023 (P311713) and letter no. A/P/HQ/MP/15/3024 (P311712) dated 5.02.2013.
	in consultation with the Department of	While procuring LDO/HFO, it is checked that limit of sulphur content shall not be more than 0.5%.
	Explosives, Nagpur.	
	Sulphur content in the liquid fuel will not	Disaster management plan is prepared to take care of any eventuality of accident during storage of oil.
	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	
	Regular monitoring of	Detailed hydro-geological study for core zone as well as buffer zone
xix	ground water level	has been carried out by M/s Hydro- Geo-Survey Consultant Pvt.
	shall be carried out by	Ltd., Jodhpur. Manitaring of 20 Key wells is studied on Pro and Post Mansoon.
	establishing a network of existing wells and	Monitoring of 30 Key wells is studied on Pre and Post Monsoon basis.
	constructing new	Duoio.
	piezometers.	Eight Peizometers locations are identified at down and upstream of
	Monitoring around the	Ash ponds.
	ash pond area shall be	Monitoring around the ash pond area is carried out particularly for
	carried out particularly	heavy metals (Hg, Cr, As, Pb) and records are maintained and
	for heavy metals (Hg,	submitted to the Regional Office of Ministry.
	Cr, As, Pb) and records	The data is commoned with baseline data to ensure that ensured
	maintained and submitted to the	The data is compared with baseline data to ensure that ground water quality is not adversely affected due to project.
	Regional Office of this	water quality to not adversely affected due to project.
	Ministry. The data so	
	obtained should be	
	compared with the	
	baseline data so as to	
	ensure that the ground	
	water quality is not	
	adverse affected due to	
	the projects. Green belt consisting of	Planted 44,950 saplings till date in open area of the project; further
xx	3 tiers of plantations of	10,000 saplings are ready for plantation in nursery to be planted
	native species around	within 6 Months. The premises shall have 33% of total area as a
	plant and at least 100 m	green belt in the next five years.
	width shall be raised.	
	Wherever 100 m width	A consultant M/s Nature Forever Organization has been appointed

	is not feasible a 50 m	for the D	evelopn	nent of gre	een b	elt in	the p	roject,	in a pr	ofessional
	width shall be raised	manner.	-	2			•		-	
	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%.									
	First Aid and sanitation	Already o	complied	d during co	onstr	uction	phase).		
xxi	arrangements shall be									
	made for the drivers									
	and other contract									
	workers during									
	construction phase	The main	. lorral f	waaa tuudain	i.		11	-امامىنىي		aiaa lawal
xxii	Noise levels emanating from turbines shall be			rom turbir e is maintai						
XXII	so controlled such that			n the high						
	the noise in the work			arplugs/ea					:180Ha1 j	Jouecuve
	zone shall be limited to	equipmei	it like co	aipiugs/ ca	ııııu	iiis aic	Provi	iucu.		
	75 dB(A). For people									
	working in the high	SOL	DCE NO	DISE LEVI	T C /	• • • • • • • • • • • • • • • • • • •	DIOI	ic i O	CATION	IC in
	noise area, requisite		KCE N	JISE LEVI			KIOC	3 LU	CATIO	N5 III
	personal protective	dB(A)								
	equipment like ear	Month	Time	Turbine	Tui	bine	CT	CT	Boiler	
	plugs/ear muffs etc	Violidi	Time	- I	-	II	- I	- II	- I	- II
	shall be provided.	0.1.15	Day	71.2	7	0.7	74.2	74.6	77.8	75.1
	Workers engaged in	Oct-15	Nt.	79	6	8.9	75.3	76.7	75.6	73.7
	noisy area such as	Nov-	Day	78.5	7	6.5	74.7	74.4	76.6	77.1
	turbine area, air	15	Nt.	75.9	7.	5.6	74.0	68.5	78.9	78.9
	compressors etc shall be periodically examined	Dec-15	Day	<i>7</i> 5.9	7	1.6	74.6	74.5	78.8	78.3
	to maintain audiometric	Dec-13	Nt.	72.3	6	6.9	67.6	67.2	69.7	76.9
	record and for	Jan-16	Day	76.7		1.9	74.4	74.7	78.9	75.4
	treatment of any	Jan-10	Nt.	73.1		5.7	73.3	75.3	77.8	77.2
	hearing loss including	Feb-16	Day	70.4		6.7	74.1	74.3	75.2	78.6
	shifting to non noisy		Nt.	68.0		8.3	74.1	79.3	67.2	66.9
	/less noisy areas.	Mar-	Day	79.3		7.3	74.9	74.4	77.8	77.2
		16	Nt.	69.9	7.	3.9	66.9	68.2	76.9	71.8
		so	URCE N	OISE LEV	ELS	AT V	ARIO	US LC	CATIC	ONS
			ı							
						Ray	W	Clarif		CW
		Month	Time	Compres		wat	er	Pun		Pump
		WIOIIII	Time	house		pun		Hou	- 1	House
						hou	se			
		Oct-15	Day	72.6		<i>7</i> 5.	7	71.9	9	74.6
		00013	Nt.	74.2		67.		77.0		69.4
		Nov-	Day	70.3		76.		74.		75.0
		15	Nt.	79.2		69.		77.		77.0
		Dec-15	Day	72.1		76.	Λ I	70.2	ი I	76.8

			Nt.	69.2		68.0	71.2	72.1
		Jan-16	Day	67.9		76.1	72.7	76.9
			Nt.	73.0		72.0	68.6	76.4
		Feb-16	Day	66.7		76.0	74.4	75.4
		7.5	Nt.	76.3		74.9	69.7	67.9
		Mar- 16	Day Nt.	69.2 69.9		77.4 77.3	74.7 77.4	75.4 69.0
					'			1
xxiii	Regular monitoring of Ground level concentration of SO ₂ , NO _X . 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	RSPM is taken.		ed ou	ıt. All 1	necessary	ntration of SC mitigation m	
	prescribed limits,	LOCATIO		51F -			NO	
	necessary control		PM _{2.5}		PM ₁₀	SO_2	NO_X	CO
	measures shall be		(µg/m³)		(μg/m	³) (µg/r	n ³) (μg/m ³)	(µg/m³)
] 1 f	provided immediately. The location of the monitoring stations and frequency of	Minimum	17.5	0	39.0	1 5.4	9 10.95	111.89
		Maximum	37.0	0	62.50	0 17.5	77 21.85	221.78
	monitoring shall be decided in consultation with SPCB. Periodic	Average	27.9	3	48.3	1 11.6	57 15.51	169.49
	reports shall be	LOCATION	DN : Near	H2 G	as cylin	der shed		•
	submitted to the Regional Office of the		PM _{2.5} (μg/m ³)	PM		SO ₂ (μg/m ³)	NO _χ (μg/m³)	CO (µg/m³)
	Ministry. The data shall also be put on the	Minimum	18.50	4	0.10	5.50	11.81	83.92
	website of the company.	Maximum	38.00	6	0.00	19.07	28.75	227.78
		Average	27.11		8.89	12.26	16.51	171.47
		LOCATION	N : Near Watch tower 22 (C		`	<u> </u>		
			PM _{2.5} (μg/m³)	I	PM ₁₀ μg/m³)	SO ₂ (μg/m ³)	NO _χ (μg/m³)	CO (µg/m³)
		Minimum	17.50		35.00	3.90	8.62	107.39
		Maximum	35.50		54.23	17.75	23.20	215.09
		Average	27.38		46.69	11.57	14.70	163.36
		LOCATION	DN : Near	fuel s	torage t	ank	•	•
			PM _{2.5} (μg/m ³)	F	PM ₁₀ μg/m³)	SO ₂ (μg/m ³)	NO _χ (μg/m³)	CO (µg/m³)

		Minimum	19.50	34.20	7.20	10.90	94.41	
		Maximum	36.00	56.00	18.14	22.80	233.50	
		Average	28.46	47.53	11.69	15.44	158.27	
xxiv	A good action plan for R & 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.	JPVL/JNST modified in	PP/MOEF/ corporating	2010 date suggestic	d 20.01.20 ons of MO	tted vide lo 11. It was si EF and was . dated 29.06.	ubsequent resubmitte	tly
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.	to MOEF 20.01.2011 a earmarked	vide letter and 29.06.20 for CSR act curring expe	no J 011. The ivities an	PVL/JNS [*] capital fu d Rs. 4.8	ken have bee IPP/MOEF/ und of Rs 2 Crores per a enditure incu	2010 date 4 Crores innum fur	ed is nd
xxvi	As part of CSR programme the company shall conduct need based assessment for the nearby villages to study economic measures with action plan which can help in upliftment of poor section of society. Income generating projects consistent with the traditional skills of the people besides development of fodder farm, fruit bearing	Annapurna An ITI instit power in ne A School is half year. A 10 bed ho functional for	up to class p to 10th class mess is servetute is being arby areas of already fur espital equipor medical counding 10	es five we so in July'2 ring the free construct of project. Inctional as opped with check-up a villages.	e.f. July, 2016 sessice which day and is open diagnosticand treatm	Vidyalaya wa 2011 and son. If meal to study elopment of the arting for about a surgical ment to the logo to 300 people.	ubsequent lents. skilled ma out one ar l facilities ocal habita	tly an is ats

training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. This will be in addition to vocational training individuals imparted to take up self employment and jobs Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care etc. 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 region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded			
for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking , mobile toilets, mobile STP, safe drinking water, medical health care etc. 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 xxviii least two local newspapers widely circulated in the region around the project , one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded		training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. This will be in addition to vocational training individuals imparted to take up self	Other CSR activities include Stipend for secondary school students, Paying tribute to Old Age Persons, Vocational Training for students, Drinking Water facility to local habitants, Veterinary Service within
for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking , mobile toilets, mobile STP, safe drinking water, medical health care etc. 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 xxviii least two local newspapers widely circulated in the region around the project , one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded		Provision shall be made	Construction phase has been completed, honce not applicable
shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded	xxvii	for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care etc. The housing may be in the form of temporary structures to be removed after the completion of the	Construction phase has been completed, hence not applicable.
shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded		1 1	Already complied. Grant of EC was advertised in two local news
clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and	xxviii	shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned 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	' 1

	may also be seen as	
	Website of the Ministry	
	of Environment and	
	Forests at	
	http://envfornic.in	
	A copy of the clearance	Already complied. The copy of EC was sent to all the concerned
	letter shall be sent by	departments and local panchayat and acknowledgement was taken.
	the proponent to	· · · · · · · · · · · · · · · · · · ·
xxix	concerned Panchayat,	
XXIX		
	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	
	1 * * *	
	proponent.	En income of Management Call (2) to 0.11 (1) 1
	A separate	Environmental Management Cell, with full fledged laboratory has
XXX	Environment	been setup and working. Environment cell has been strengthen by
	Managements Cell with	appointing senior executives under Director in charge (DIC) for
	qualified staff shall be	implementation of the stipulated environmental safeguards.
	set up for	
	implementation of the	
	stipulated	
	environmental	
	safeguards.	
	The proponent shall	Being complied.
	upload the status of	
	compliance of the	
	stipulated EC	
xxxi	conditions, including	
7771	I	
	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,	
	RSPM, SO ₂ , NO _X	
	(ambient levels as well	
	as stack) shall be	
	1	
	displayed as a	
1		
	convenient location near the main gate of	

	the company in the	
	the company in the public domain.	
		Civer and the committee of the states of the implementation
xxxii	The project proponent shall also submit six monthly reports on the	Six monthly compliance reports on the status of the implementation are submitted regularly. Last report was submitted vide letter no. JNSTPP/EC/MoEF/2015-16 dated Nov 27, 2015
	status of compliance of	
	the stipulated EC	
	conditions including	
	results of monitored	
	data (both in hard	
	copies as well by e-	
	mail) to the respective	
	Regional Office OF	
	MoEF, the respective	
	Zonal Office of CPCB	
	and the SPCB.	F
, and it	The environment	Environment Statement for the year 2014-15 is submitted vide
xxxiii	statement of each financial year ending	letter no. JVPL/EC/ES/2015-16 dated September 22 nd , 2015
	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 status of	
	compliance of EC	
	conditions and shall	
	also be sent to the	
	respective Regional Offices of the Ministry	
	by e-mail.	
	The project proponent	Six monthly compliance reports on the status of the implementation
xxxiv	shall submit six	are submitted regularly. Last report was submitted vide letter no.
	monthly reports on the	JNSTPP/ EC/ MoEF/ 2015-16 dated Nov 27, 2015 and sent by e-
	status of the	mail to RO-MoEF.
	implementation of the	
	stipulated	
	environmental	
	safeguards to the	
	Ministry of	
	Environment and	
	Forests, its Regional	
	Office, Central Band	
	Pollution Control Board	
	and State Pollution	

	Control Doord The	
	Control Board. The	
	project proponent shall	
	upload the status of	
	compliance of the	
	environment of the	
	environmental	
	clearance conditions on	
	their website and	
	update the same	
	periodically and	
	simultaneously send	
	the same by email to the	
	Regional Office,	
	Ministry of	
	Environment and	
	Forests.	
	Regional Office of the	Noted & Agreed.
xxxv	Ministry of	110100 0 1161000
\ \tag{\tau}	Environment & Forests	
	will monitor the	
	implementation of the	
	stipulated conditions. A	
	1 *	
	1 1	
	documents including	
	Environmental Impact	
	Assessment Report and	
	Environment	
	Management Plan	
	along with the	
	additional information	
	submitted from time to	
	time shall be forwarded	
	to the Regional Office	
	for their use during	
	monitoring. Project	
	proponent will up-load	
	the compliance status in	
	their website and up-	
	date the same from time	
	to time at least six	
	monthly basis. Criteria	
	pollutants levels	
	including NO _x (from	
	stack & ambient air)	
	shall be displayed at the	
	main gate of the power	
	plant.	
	Separate funds shall be	Funds for recurring & non- recurring activities have been
xxxvi.	allocated for	earmarked for environment protection measures. The money spent
	implementation of	for Major pollution control devices and Environment protection
	environmental	measures including recurring expenditures for the period
	protection measures	October'15- March'16 is as below.
	along with item-wise	
L	. •	

	break-up. These cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purposes and year –wise expenditure should be reported to the Ministry.	 ✓ O&M cost Of Bag Houses & Bag Filters in CGU – Rs 4,30,140/- ✓ Operation Cost of STP – Rs 6,20,850/- ✓ Maintenance Cost of WWTP – Rs 1,20,00,000/- ✓ Operation cost in ESP - Rs 2,19,09,445 /- ✓ Operation cost in CHP - Rs 31,18,341/- ✓ Green Belt Development – Rs 6,12,000/-
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.	Unit – I Commissioned on 03.09.2014, Unit –II Commissioned on 24.03.2015.
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.	Full co-operation will be extended to the visiting officials of MoEF, CPCB and MPPCB.
xxxix	Bag house and dust suppression shall be installed in packing area to control the particulate and fugitive emissions.	Two nos. of Bag Houses installed to cement mills(Ball & Roll Press Mill) with guaranteed emission level of <50 mg/Nm³ at full load. Each Bag House has 780 & 1188 bags respectively. We have installed 34 no. of Bag Filters at various source points in Cement Grinding Unit to control the fugitive emission.