JAYPEE CHURK INDUSTRIAL COMPLEX

JAIPRAKASH
ASSOCIATES LIMITED

Cement Division
November 25, 2021

JCIC/ENV-EC/311/2021

To

The Director,
Regional Office (Central Region),
Ministry of Environment, Forest & Climate Change,
5th floor, kendriya Bhavan
Sector H- Aliganj
Lucknow (UP) - 226024.

Sub: Submission of Six Monthly Compliance Report of Jaypee Churk Industrial Complex (A unit of Jaiprakash Associates Limited) at Village Churk, Robertsganj, Sonbhadra District (UP).

Ref: Environment Clearance granted vide letter no. J -13012/106/2009-IA.II (T) dated 18th December, 2012.

Dear Sir,

Please find enclosed herewith six monthly environment clearance compliance report of 4x60 MW Captive Thermal Power Plant & 1.0 MTPA Cement Grinding Unit of Jaypee Churk Industrial Complex (A unit of Jaiprakash Associates Limited) at Village Churk, Robertsganj, Sonbhadra District (UP) for the period of April- 2021 to September- 2021 in Soft (through e-mail) copy.

Submitted for your kind information & acknowledge please.

Thanking you,

Yours faithfully, For **Jaypee Churk Industrial Complex**, (A Unit of Jaiprakash Associates Ltd.)

And

R. N. Yadav (Factory Manager)

Encl: As above

CC:

- 1. CPCB, Zonal office (North), PICUP Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow (UP).
- 2. Member Secretary, UPPCB, Vibhuti Khand, Gomti Nagar Lucknow (UP).
- 3. Regional Office, UPPCB, Robertsganj, Sonebhadra (UP).





SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENT CLEARANCE

Name of the Project: Jaypee Churk Industrial Complex

<u>Capacity</u>: 4*60 MW Captive Power Plant & 1.0 MTPA Cement Grinding Unit.

EC Letter No.: J -13012/106/2009-IA II (T) Dated

18.12.2012

Industry Code: 02UP301

Period of Compliance: April 2021 - September 2021

Submitted By
Jaypee Churk Industrial Complex
(A Unit of Jaiprakash Associates Limited)
Village: Churk, Tehsil: Robertsganj,
Sonbhadra District (UP)



A. Specific Conditions					
S.	Conditions	Status of Compliance			
No. 1	Vision document specifying prospective plan for the site shall be formulated and submitted to	Environment vision document has been submitted to the Regional office, MoEF & CC vide our letter no. JCIC/MoEF/2013/01 dated 14.08.2013.			
2	regional office of ministry within 6 months. Since the project proponent had	The Case no. 761/2012 filed by Regional Officer, Uttar Pradesh			
	started construction activity before obtaining Environment Clearance, the Uttar Pradesh Pollution Control Board has filed a Petition under section 15 of the Environment Protection	Pollution Control Board (UPPCB) in the Court of Chief Judicial Magistrate, Sonbhadra is under trial. Further, apart from proceedings going on in CJM court, JAL had pursued the matter in Hon'ble court of Allahabad which passed and order dated 04.12.2012 directing CJM court to keep the matter in abeyance.			
	Act,1986 in the Court of Chief Judicial Magistrate, Sonbhadra on 27/09/12 under Misc. Case No. 761/2012. The Company shall comply with the orders passed by the Court of Chief				
3	Judicial Magistrate, Sonbhadra. Environment Clearance is subject to obtaining prior clearance from the National Board of Wild Life. The environment clearance granted does not necessarily imply that wildlife clearance shall be granted to the project. The investment made in the project, if any, based on environmental clearance granted in anticipation of the clearance from wildlife angle shall entirely be at the cost and risk of the project proponent	WLI on the subject. Kindly Refer to the minutes of the meeting communicated to the Principal Secretary (Forest), Govt. of UP, Vide letter no. 3334 PSF/2092 dated 16.07.2012. These minutes were considered in the 58th Expert Appraisal Committee of EIA on-8/9.10.2012 and Environment Clearance was granted after considering all aspects, facts & recommendations of the Standing Committee of the National Board of Wildlife.			
	and Ministry of Environment Forests shall not be responsible in this regard in any manner. Wildlife Conservation Plan				
4	approved by the Office of the Competent Authority shall be implemented before commissioning of the plant Status of implementation shall be submitted to Regional Office of the Ministry.	Principal Investigator, Department of Wild Life Science, Aligarh Muslim University & submitted to the Regional office, MoEF & CC vide our letter no. JCIC/MoEF/2013/01 dated 14.08. 2013 & also to the office of the Chief Wildlife Warden, Govt. of UP. The Wild Life Conservation plan has been accepted by Principle			

		Jaiprakash Associates Limited and additional funding shall be sourced through schemes such as MNREGA. Request letter for formation of monitoring committee is already submitted to the Chief Wild Life Warden, Govt. of Uttar Pradesh Vide letter no. DCF/MoEF/2013 dated 12/08/2013. In this context the Chief Wildlife Warden, Lucknow (UP) has requested to the Director, MoEFCC, New Delhi for nomination of the member from MoEFCC for Monitoring Committee of Churk Wildlife Conservation Plan wide their letter no. /26-11 (JP Associates) Lucknow dated 15.10.2014. Further in this context, a request letter noJCIC/ENV/86/2016 dated 19.08.2016 has been submitted to Chief Wildlife Warden, Lucknow (UP) for constitution of a committee for implementation, monitoring & review of wild life conservation. Now, MoEF & CC has already notified the Eco-sensitive zone of
		1 km all around the boundary of Kaimur Wildlife Sanctuary vide it's notification dated 20.03.2017. Further, Divisional Forest officer, Kaimur Wildlife division, Mirzapur, U.P., vide letter no. 2736/33-1 dated 24.03.2018 to RO UPPCB confirms that JCIC is located 1.8 KM away from the wild life sanctuary.
5	Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.	Solar lights have been installed within the premises of the plant particularly at available roof tops.
6	Coal transportation to Plant site shall be undertaken by rail and no road transportation shall be permitted.	Agreed, Coal transportation to the Plant is being undertaken by rail.
7	Sulphur and ash contents in coal to be used in the project shall not exceed 0.6 % and 8% respectively at any given time. The Gross Calorific Value of the coal should not be less than 5300 Kcal/ Kg. In case of variation of coal quality at any point of time, fresh reference shall be made to the ministry for suitable amendments to environmental clearance condition wherever necessary.	Noted
8	Stack height of 125 m shall be provided with continuous online monitoring equipments for SO _x , NO _x and Particulate Matter. Exit velocity of flue gases shall not	Two Stacks of 130 mtr height have been constructed. Online Continuous Emission Monitoring System (CEMS) for continuous monitoring of SOx, NO _x & Particulate Matter have also been installed at the stacks. Continuous online monitoring data of CEMS is being uploaded at the CPCB & UPPCB server.

	be less than 22m/sec. Mercury emissions from stack shall also be monitored on periodic basis.					
	be monitored on periodic basis.) having
		Nil.				-
		Grinding Unit (CEMS) for also been insta	Online Continuous moduled at CGU st	nuous Emis onitoring of ack.	constructed for ssion Monitoring Particulate M	g System atter has
9	Space provision for installation of FGD shall be made.	Desulphurizat	ion unit in Plan	nt.	allation of F	
10	Action Plan along with	Action plan to	control fugiti	ive emissio	ns & proposal	for green
2.0	mitigation and management of	belt developm	ent had already	y been subr	nitted to Region	al office,
	fugitive emissions in and around	MoEFCC vi	de our letter	no. JCI	C/MoEF/2013/0	1 dated
	coal handling plants and	14.08.2013. C	reen belt deve	elopment ac	ctivities are going	ng in the
	implementation schedule and	plant premise	s & township	at Churk	and Ghurma (company
	monitoring mechanism for	owned land) a	long with the p	broject work	•	
	development of a thick three tier					
	green belt all around plant boundary except in areas not					
	feasible, shall be submitted to					
	the RO of the Ministry.					
11	The Company shall install online	Opacity mete	r has already b	een installe	d in the stacks	for online
	monitoring in the major stacks to	continuous n	nonitoring. CA	AQMS has	s also been ins	talled for
	monitor particulate emissions	ambient air q	uality monitori	ng at the un	it.	
	and monitoring Ambient Air					
	Quality at the site. One					
	monitoring station shall be					
	installed adjoining the Wildlife		790			
10	Sanctuary to access the impacts.	Uigh Efficier	ocy Electrostati	c Precipitat	ors (ESPs) are i	nstalled at
12	High Efficiency Electrostatic Precipitators (ESPs) shall be		d designed to	achieve pa	rticulate emissi	ons below
	installed to ensure that	50 mg/Nm ³ .	Bag House is	installed at	CGU to achieve	emission
	particulate emission from the	norms prescr	ibed by CPCB	& MoEF &	CC.	
	proposed plant does not exceed		lata of Particula	ate matter f	or the period of	Apr-21 to
	50 mg/Nm ³ .	Sep-21 are as				2011
		Units	CPP, Sta	ick-1 Boiler-2	CPP,Stack-2 Boiler- 3	CGU Stack
		Limits	Boller-1		Boller- 3	
		mg/Nm³		50		30
		Average	31.4		Cl . I	16.10
		Maximum Minimum	33.6 29.0		Shutdown	18.40 14.80
12	Bag filters shall be installed in			•		
13	Cement Grinding Unit and dust		ave been instal	lled in ceme	ent Grinding Un	it and dust
	suppression system.	suppression system.				
14		T PARTY NO.	ve been taken	to control d	ust emissions fr	om various
1-1	such as cyclones/bag filters and	sources are a	is under:			
	water spray system in dusty	• Pulse je	t type Bag Fi	lters provid	ded at all trans	fer points,
	areas such as in coal handling	g primary	crusher, prima	ary screen,	secondary scre	en, fly ash
	and ash handling points, transfer	2 A	oiler bunkers.	u.g		
		onos & c				

	areas and vulnerable dusty areas shall be provided.	 State of the art Dust Suppression System is installed at wagon tippler section to control fugitive emissions. It is working effectively. Water sprinkling systems are provided at all coal conveyor belts & coal storage yard and running effectively. Dusts collecting equipment's (Bag filters) as stated above are provided with an arrangement such that the collected material is completely recycled back into the process. Coal is stacked into stockpiles and provisions of water sprinkling have also been made. Regular water sprinkling is also done in other unpaved areas through pipelines & tankers for controlling the fugitive emissions. Coal shed has been constructed for storage of the coal at the coal handling plant.
15	An amount of Rs. 223.55 crores is earmarked for pollution	Agreed & Complying. The recurring expenditure for maintenance of pollution control equipments during April 2021 to September 2021 is Rs. 137.44
	control equipment/measures as committed by the project proponent. Additionally an amount of Rs. 7.0 crores per annum shall be earmarked for maintenance of pollution control equipment.	Lacs.
16	Utilization of 100 % Fly Ash generated shall be made from 4th year of operation of the plant. Status of implementation shall be reported to the Regional Office to the Ministry from time to time.	100 % of the fly ash generated from the Captive Power Plant is used in manufacturing of Portland Pozzolana Cement (PPC) at our Chunar Cement Factory & Churk Cement grinding unit, JCIC, Churk. Annual return of fly ash generation & consumption has been submitted to the Regional Office of the Ministry & UP Pollution Control Board vide our letter no. JCIC/ENV/FLY/UPPCB/291/2021 dated 30.04.2021.
17	No mine void filling or filling up of low lying areas with fly ash shall be undertaken.	Fly ash will not be used for mine void filling or filling up of low lying areas.
18	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.	There is no provision for construction of ash dyke/pond as entire fly ash generated from the plant is being conveyed pneumatically from ESP hopper to ash silos in dry form for storage prior to its use.
19	Fugitive Emission of fly ash shall be controlled such that no agricultural or non-agricultural land is affected. Damage to any land shall be mitigated and suitable compensation provided in consultation with the local	in dry form for storage prior to its use. In built control mechanism has been provided at fly ash handling system to control fugitive emissions. Therefore, no impact of fly ash will be on agricultural or non-agricultural land.

	Panchayat.	
20	A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring for radio activity and	out through Radio analytical Laboratory, Board of Radiation and Isotope Technology (Department of Atomic Energy, Govt. o India) vide Radioactivity test certificate Ref. no BRIT/RAL/D/879-86/MISC/740-47/19-20 dated 26/12/2019.
	heavy metals in coal and fly ash (including bottom ash) shall be put in place.	U-238 Palks 40 Cl C
21	Continuous monitoring of heavy metals in and around the existing ash pond area shall be carried out by reputed institute like IIT, Chennai.	All the fly ash transported pneumatically from ESP hopper to the concrete silos for storage in dry form. Ash pond has not been constructed therefore, testing of heavy metals in & around ash pond is not applicable.
22	Air cooled condenser shall be installed.	Air cooled condensers has been installed.
23	No water bodies including natural drainage system in the area shall be disturbed due to activities associated with setting up/ operation of the power plant.	Agreed and complying.
24	COC of at least 5.0 shall be adopted.	COC is observed between 3-5.
25	A well designed rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in plant premises. Action plan and road map for implementation shall be submitted to the Regional Office of Ministry.	Total 5 nos. rainwater recharging pits have been constructed in the township. One percolation pit is also been constructed in the township for collection & recharging of the rain water.
20	Hydrogeology of area shall be reviewed annually from an institute/ organization of repute to asses impact of surface water and ground regime (especially around ash dyke). In case any deterioration of repute to assess impact of surface water and ground regime (especially around ash dyke). In case any deterioration is observed specific mitigation measures shall be undertaken and reports/data of water quality monitored	Ash dyke/pond in the plant premises has not been constructed as all the fly ash is being collected pneumatically in dry form in the fly ash silos. Since there is no likelihood of ash coming in touch with the ground water therefore, no deterioration of ground & surface water regime is expected.

	regularly and maintained shall be submitted to Regional Office of the Ministry.						
27	Waste water generated from the plant shall be treated before discharge to comply limits	Waste water collected from the plant is being treated & all the parameters are qualifying the discharge limit of CPCB/SPCB and is fully re-used in dust suppression systems, ash quenching,					
	prescribed by SPCB/CPCB.	horticulture a					
28	Green Belt consisting of three	Green belt	development	activities are st	arted in the plant		
	tiers of plantations of native	premises &	township at (Churk and Ghurm	a (company owned		
	species around plant and at least	land) on ful	l fledged scal	le. Details of plan	ntation done in the		
	50m width shall be raised. Tree			given as under:			
	density shall be 2500 per ha. With survival rate not less than	Year	Total plantation	Nos. of Plant survived	Survival rate in Percentage		
	80%.	Opening	3566	3566	100		
		2013-14	1569	1569	100		
		2014-15	5237	4608	88		
		2015-16	3831	3064	80		
	,	2016-17	2250	1800	80		
		2017-18	1596	1276	80		
		2018-19	2500	2075	83		
		2019-20	2100	1718	82		
		2020-21	4100	3512	85.66		
	-	2021-22	2400	2250	93.75		
		Total	29149	25438	87.24		
30	The project proponent shall also adequately contribute in the development of neighboring villages. Special package with implementation schedule for free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner. An amount of Rs. 5.0 Crores be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs. 1.0 Crores per annum till the life of the plant	villages, Jay such as Educ the commun Gurma are c under privile medical serv having patho providing me	pee Group hat cation, Health ity & school. delivering qua- ged sections of vices to the vology lab, mo- edicines free of	as undertaken var and potable drink Jay Jyoti Inter Co- lity education to of the society. To illagers a hospita bile medical van f cost to them.	nent of neighboring ious CSR activities ing water supply to ollege at Churk and the children's from provide Health and I is running at site & ambulance. Also		
31	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. Additionally as committed by the project proponent Rs 3.0 Crores shall be earmarked for development of ITI at Dalla for	& training or	n various cours	ses & modules for	ng quality education local peoples.		

be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village panchayat and the District Administration. As part of CSR proi identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. 33 It shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest govt. institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time. 34 An Environment Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the Head of the Organization. 35 B. General Conditions S. Conditions The treated effluents conforming to the prescribed standards only shall be recirculated and reuse within the plant. Arrangements shall be made that effluents and storm water do not get mixed. 36 A separate Environmental Management cell has been set up we suitable qualified & experienced officer having appropriate experience in environment management who reports directly experience in environment management who		imparting training for local people in craft for employment. An amount of Rs 7.0 Crore shall be earmarked for development of green belt and Rs 80 Lakhs per annum shall be kept as recurring expenses for green belt as committed.	nursery has been set up for development of saplings. Nati species are being preferred for greenbelt development. Rs. 4.1 lacs have been incurred towards green belt development for t period April 2021 to September 2021.				
monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest govt. institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time. 34 An Environment Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the Head of the Organization. B. General Conditions S. Conditions S. Conditions The treated effluents conforming to the prescribed standards only shall be recirculated and reuse within the plant. Arrangements shall be made that effluents and storm water do not get mixed. Treated effluent confirming to the prescribed of Apr-21 Sep-21 are as under. Parameter	32	Public Hearing issues and shall be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village panchayat and the District Administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant	dept. BHU. Need based assessment is also part of the audit & being carried out in and around 5.0 km of the site in consultation with the village panchayat. CSR activities addressing the public hearing issues mainly health services and education is being undertaken. Vocational trainings for local employable youths are being provided at ITI, Dalla.				
An Environment Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the Head of the Organization. B. General Conditions S. Conditions The treated effluents conforming to the prescribed standards only shall be recirculated and reuse within the plant. Arrangements shall be made that effluents and storm water do not get mixed. A separate Environmental Management cell has been set up we suitable qualified & experienced officer having appropriate suitable qualified & experienced of file experience in environment management who reports directly the Head of the Organization. Treated effluent confirming to the prescribed standard is re-circulated & reused in sprinkling at coal handli plant for dust suppression. No effluent is getting mix with storm water. Avg. ETP analysis results for the period of Apr-21 Sep-21 are as under.	33	monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest govt. institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme	Department of Banaras Hindu University. Study report will be submitted to the regional office of MOEF & CC on completion.				
S. No. The treated effluents conforming to the prescribed standards only shall be recirculated and reuse within the plant. Arrangements shall be made that effluents and storm water do not get mixed. Treated effluent confirming to the prescribed standard is re-circulated & reused in sprinkling at coal handli plant for dust suppression. No effluent is getting mix with storm water. Avg. ETP analysis results for the period of Apr-21 Sep-21 are as under. Parameter		An Environment Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the Head of the Organization.	suitable qualified & experienced officer having appropriate experience in environment management who reports directly to the Head of the Organization.				
The treated effluents conforming to the prescribed standards only shall be recirculated and reuse within the plant. Arrangements shall be made that effluents and storm water do not get mixed. Treated effluent confirming to the prescribed standard is re-circulated & reused in sprinkling at coal handling plant for dust suppression. No effluent is getting mix with storm water. Avg. ETP analysis results for the period of Apr-21 Sep-21 are as under. Parameter				Compliance Status			
prescribed standards only shall be recirculated and reuse within the plant. Arrangements shall be made that effluents and storm water do not get mixed. is re-circulated & reused in sprinkling at coal handli plant for dust suppression. No effluent is getting mix with storm water. Avg. ETP analysis results for the period of Apr-21 Sep-21 are as under. Parameter		Conditions		Compnance Status			
Standards 6.5 to 8.5 100 30 250 10	1	prescribed standards only shall circulated and reuse within the Arrangements shall be made that	be re- ne plant.	is re-circulated & reused in sprinkling at coal handling plant for dust suppression. No effluent is getting mixed with storm water. Avg. ETP analysis results for the period of Apr-21 to Sep-21 are as under. Parameter s pH TSS BOD COD O&G			

		Unit	-		n	ng/l		
		Average	8.00	11.85	11.82	41.00	1.58	
		Maximum	8.14	12.50	21.00	73.00	1.70	
		Minimum	7.87	11.14	07.50	25.00	1.45	
2	A sewage treatment plant shall be provided	Sewage Trea	atment Pla					
	(as applicable) and the treated sewage shall	installed and	Sewage Treatment Plant (STP) of 300 KLD has be installed and treated water is reused in plantation/gre					
	be used for raising greenbelt/plantation.	belt development within the plant premises.						
	* **	STP analysis results for the period of Apr-21 to S						
		21 are as under.						
		Parameters	pН	TSS	BOD	COD	O&G	
		Standards	6.5 to 8.5	100	30	250	10	
		Unit				g/l	10	
		Average	7.65	20.88	08.80	25.00	02.75	
		Maximum	7.70	43.00	19.00	52.00	02.90	
		Minimum	7.60	08.32	03.60	12.00	02.60	
3	Adequate safety measures shall be provided	Safety measu	ures are be	ing take	100000000000000000000000000000000000000			
	in the plant area to check/minimize	Adequate Fi	re Fighting	Equip	ments i	e Fire l	Hydrant	
	spontaneous fires in coal yard, especially	& Fire Extin	nguishers	have be	en insta	lled at t	the coal	
	during summer season. Copy of these	handling pl	ant. Fire	& Sat	etv de	nartment	t made	
	measures with full details along with	available wi	th 2 nos. t	fire figh	ting ten	ders alo	no with	
	location plant lay out shall be submitted to	all necessar	ry contro	l equin	ments	Conv	of the	
	the Ministry as well as to the regional	measures &	layout has	already	heen s	submitted	d to the	
	office of the ministry.	Regional Off	fice of the	Ministry	occii i	dominico	a to the	
4	Storage facilities for auxiliary liquid fuel	Approval/lic	ense for de	esign of	installa	tions &	storage	
	such as LDO/HFO/LSHS shall be made in	Approval/license for design of installations & storag of LDO/HFO/LSHS has been taken from PESC						
	the plant area in consultation with	Nagpur. LDO/HFO/LSHS properly stored in dedicate						
	Department of Explosives, Nagpur.	area. It is being ensured that sulphur content should be					ould be	
	Sulphur content in the liquid fuel will not	less than 0.5% in liquid fuel. An Onsite Emergence						
	exceed 0.5 %. Disaster Management Plan	Plan including disaster management plan has be					ergency	
	shall be prepared to meet any eventually in	prepared & implemented covering all the eventualities						
	case of an accident taking place due to	in case of accident due to storage of oil.						
	storage of fuel.	We have Lic	ence No. 1		2/14/640	an (pa <i>at</i>	7/100) 0-	
	-	P/HQ/UP/15	/4955(P26	4750) fr	om PF	SO repe	490) &	
		to 31.12.2022	2.	1750) 11	om 1 L	50 Telle	wed up	
5	First Aid and Sanitation arrangements shall	Agreed, First	27.74	Sanitatio	n arrano	ements l	has also	
	be made for the drivers and other contract	been provid	ed for th	e drive	rs and	other o	contract	
	workers during construction phase.	workers.	ou for th	e diive	is and	oulci (contract	
6	Noise levels emanating from turbines shall	Necessary a	ction has	been ta	ken to	maintair	n noise	
	be controlled such that the noise in the	level within 8	85dB (A)	Earplug	& Far	nuffe ha	ve heen	
	work zone shall be limited to 85 dB (A)	provided to t	he employe	ees work	ing in h	ijoh nois	e areas	
	from source. For people working in the	Regular nois	se monitor	ing is h	eing ca	rried out	t incida	
	high noise area, requisite personal	the plant &	monitorir	ing value	es are v	vell wit	hin the	
	protective equipment like	prescribed li	mits. Avo	workn	lace No	nise mor	nitorina	
	earplugs/earmuffs etc. shall be provided.	data for the r	period of A	pril 202	1 to Ser	ntember	2021 is	
	Workers engaged in noisy areas such as	data for the period of April 2021 to September given as under:			picinoci	2021 15		
	turbine area, air compressors etc shall be	o	~1.					
	periodically examined to maintain	Location			Avg. Res	ult dB(A)		
	audiometric record and for treatment for	Outside of Co		use		76.92		
	any hearing loss including shifting to non	Turbine Floor				77.48		
	mains/1	Boiler Area	00000000 A			77.33		
	noisy/less noisy areas.			- 1		70 47		
	noisy/less noisy areas.	Boiler Feed Pt	ımp Area			73.47		
	noisy/less noisy areas.	Boiler Feed Pu DM Plant Coal Handling				68.73 69.26		

		Audio	metric tec	t has been	1 ,	1.0	
	*	Audiometric test has been conducted for employees &					
7	Regular Monitoring of ambient air ground	workers working in high noisy areas. Regular ambient air monitoring is being carried out in					
	level concentration of SO ₂ , NO ₂ , PM2 5 &	house	as well as	MoFF on	oring is t	eing car	ried out in
	PM10 and Hg shall be carried out in the	are mo	intained	Monitoria	proved la	borator	% records
	impact zone and records maintained. If at	compa	w'e web	wita A-	g reports	are upd	ated on the
	any stage these levels are found to exceed	period	April 20	site. Avg	. monito	ring da	ta for the
	the prescribed limits, necessary control	under:	April 20	121 to Se	ptember	2021 is	s given as
	measures shall be provided immediately.		200	Near	Near	Near	Near
	The location of monitoring stations and	Lo	cations	Main	Store	Rear	Dispatch
	frequency of monitoring shall be submitted	-		Gate		Gate	Gate
	to the Regional office of Ministry. The data shall also be put on the website of the		ameter	n if ya	(μ <u>g</u>	/m³)	
	company.	PM ₁₀	Avg.	58.09	57.38	58.15	60.03
	- sampuny.		Max	63.15	58.95	59.52	61.88
		D) (0 -	Min	55.19	55.95	56.83	58.46
		PM2.5	Avg.	27.87	26.80	27.84	29.96
			Max	28.85	27.96	30.06	31.33
		SO ₂	Min Avg.	26.90	26.22	27.11	29.65
		1 502	Max	14.29 15.69	14.53	14.88	15.07
			Min	12.63	15.40 12.90	16.91	16.39
		NO _x	Avg.	11.17	10.77	12.48 11.77	13.21
			Max	11.55	11.35	12.60	11.34
			Min	10.91	10.23	10.68	10.32
8	Provision shall be made for 1					10.00	10.52
	Provision shall be made for housing of	Necessa	ry infras	structure	i.e. ten	porary	housing,
	construction labour (as applicable) within	mobile toilets, safe drinking water free					medical
	the site with all necessary infrastructure	construction of the constr					
	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						
	structures to be removed after the						
9	completion of project.						
9	The project proponent shall advertise in at	Agreed &	& Complie	ed			
	least two local news papers widely	The publ	ic notice	has been	aivan in	1	
	circulated in the region around the project	The public notice has been given in two news paper viz. Rashtriya Sahara on 10/01/2013 & in Times o India on 12/01/2013.					
1	on of which shall be in the vernacular						
	language of the locality concerned within		12/01/201	٠.,			
	seven days from the date of this clearance						
	letter, informing that the project has been						1
	accorded environment clearance and copies						1
- 1	of clearance letter are available with the						
	State Pollution Control Board/Committee						
	and may also be seen at Website of the						
	Ministry of Environment and Forests at						
	http://envfor.ni in.						
10	A com- / 1	<u> </u>					
		Copy of I	Environme	ent Cleara	nce has b	een sub	mitted to
	Dorigod/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	he conce	rned auth	orities &	the same	is also	unloaded
		at compar	ny website	e.	and the second s		Product
	the local N(i() if any	_					
1							
1	received while processing the proposal. The clearance burst shall also be put on the						

website of the Company by the proponent. The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall	& SPCB and the same is
compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall	& SPCB and the same is
update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective zonal office maintained. Monitoring data	ried out and records are is being displayed at the
of CPCB and SPCB. The criteria pollutant levels namely; SPM, RSPM (PM 2.5 & PM 10), SO ₂ , NO _X (ambient levels as well as	y in the public domain
stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	
The environment statement for each financial year ending 31st march in Form-V as is mandated to be submitted by the 304/2021 dated 06 August, 2	//UPPCB-ES/303/2021 &
project proponent to the concerned State Pollution Control Board as prescribed under the Invironment (Protection) Rules,	
1986, as an index subsequently, shall also be put on the website of the company along with the status of compliance of	, w , a
environmental clearance conditions and shall also be tent to the respective regional offices of the relativity by e-mail.	
The project one on the status of the MoEF, CPCB & UPPCB	on regular basis. Last
implement of stipulated environmental safeguard Ministry of Environment 2021 vides our letter No. JC and Forest Regional Office Central the period of October 2020	ed by e-mail on May 25, CIC/ENV-EC/290/2021 for to March 2021. It is also
Pollution Board and State Pollution uploaded on the Control Deproject proponent shall http://www.jalindia.com.	company's website:
environment and Forests. website a late the same periodically	<i>G</i>
and simulated and y send the same by e-mail to the anal office, Ministry of Environment Corests.	
14 Regional Ministry of Environment Agreed & Complying. & Forests Spring Property of Environment Agreed & Complying.	
of the stip of docu including Environment stack emissions is being conditions. A complete set of docu including Environment stack emissions is being conditions.	110, PM2.5, SO ₂ , NO _X and carried out and records are ta is being displayed at the
Environment Plan along with the addition submitted from regularly.	any in the public domain
time to all be forwarded to the Regional for their use during monitoria at proponent will upload	
the compact in the website and	

	up-date the same from time to time at least	
	six-monthly basis. Criteria pollutants levels	
	including NO _x (from stack and ambient air)	
	shall be displayed at the main gate of	
	power plant.	
15	Separate funds shall be allocated for	Separate funds for implementation of environmental
	implementation of environmental	protection measures have been allocated as part of the
	protection measures along with item wise	project cost.
	break-up. This cost shall be included as	7. 3
	part of project cost. The funds earmarked	
	for the environment protection measures	
	shall not be diverted for other purposes and	A STATE OF THE STA
	year wise expenditure should be reported to	1 - 100
	the Ministry.	2
16	The project authorities shall inform the	Agreed & Complying.
10	Regional Office as well as the Ministry	1.9.000
	regarding the date of financial closure and	
	fregarding the date of infancial closure and	
	financial approval of the project by the	
	project by the Concerned authorities and	
	the dates of start of land development work	
	and commissioning of plant.	A 1 & Complying
17	Full cooperation shall be extended to the	
	Scientists/Officers from the Ministry/	
	Regional Office of the ministry/	
	CPCB/SPCB who could be monitoring the	
	compliance of environmental status.	CI 1 I I I total Complex Church

Status of conditions stipulated in the Environment Clearance of Jaypee Churk Industrial Complex, Churk for the period April 2021 to September 2021.

Yours faithfully, For **Jaypee Churk Industrial Complex**, (A Unit of Jaiprakash Associates Ltd.)

And

R. N. Yadav (Factory Manager)