

**Half Yearly Compliance Report
2024
01 Jun(01 Oct - 31 Mar)**

Acknowledgment

Proposal Name	SKS Power Generation Chhattisgarh Limited, Village Binjkot & Darramuda, Tehsil- Kharsia, District Raigarh (C.G.) 486661.		
Name of Entity / Corporate Office	SKS Power Generation Chhattisgarh Limited		
Village(s)	N/A		
District	RAIGARH		
Proposal No.	J-13012/64/2008-IA.II(T)	Category	Thermal Projects
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	CHHATTISGARH	Entity's PAN	AAMCS4282R
MoEF File No.	1	Entity name as per PAN	SKS POWER GENERATION CHHATTISGARH LIMITED

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	Six Monthly Environment Clearance Report for the period from October 2023 to March 2024
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office SKS Power Generation Chhattisgarh Limited

	Project Area as per EC Granted	Annual Project Area in Possession
Private	353.695	0
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	353.695	0

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
--------	--------------	-------	------------	----------	----------------------	---------------------

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	Prospective plan for the site showing the further expansion shall be formulated and submitted to the Ministry within six months.
PPs Submission: Agreed to Comply No further expansion is proposed till now.		Date: 01/06/2024
2	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied Rainwater harvesting plan has been prepared and submitted earlier to concern authorities. Roof top rain water harvesting system has been adopted.		Date: 01/06/2024
3	WATER QUALITY MONITORING AND PRESERVATION	Minimum required environmental flow suggested by the Competent Authority of the State Govt. shall be maintained in the Channel/ Rivers (as applicable) even in lean season.
PPs Submission: Being Complied Noted and being complied.		Date: 01/06/2024
4	WASTE MANAGEMENT	Ash pond shall be moved away from side facing river and a thick three tier green belt shall be developed on the western side of the ash pond. Area of reservoir shall be restricted to 75 acres
PPs Submission: Complied Ash pond is constructed with in the plant premises. Surrounding of entire plant a thick green belt is developed. Total Reservoir area is 30 acre in phase - I.		Date: 01/06/2024
5	WASTE MANAGEMENT	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.
PPs Submission: Complied Ash pond is established as per the guidelines of MoEF&CC, CEA and CPCB and adequate thick layer of HDPE lining is provided to create impervious layer for prevention of leachate from Ash Pond.		Date: 01/06/2024
6	Corporate Environmental Responsibility	An action plan for R&R (as 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.
PPs Submission: Complied The total land has been taken from CSIDC and the company has signed a tri-party agreement with State and CSIDC for implementing R&R Policy. Copy of CSIDC/ collector approved R&R action has already been submitted.		Date: 01/06/2024
7	AIR QUALITY MONITORING AND PRESERVATION	Provision for installation of FGD shall be provided for future use.
PPs Submission: Agreed to Comply		Date:

Sufficient space is available for installation of FGD. As per MoEF&CC's Notification dated 07.12.2015, to Comply emission standard, FGD will be installed.		01/06/2024
8	AIR QUALITY MONITORING AND PRESERVATION	High Efficiency Electrostatic Precipitators (ESP's) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm ³ . 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.
PPs Submission: Complied ESP are designed to control the particulate emission less than 50mg/Nm ³ at 99.93% Efficiency. Dust Extraction System, Bag filters, Water sprinkler system is installed.		Date: 01/06/2024
9	MISCELLANEOUS	Regional Office of the Ministry of Environment & Forests shall monitor the implementation of the stipulated conditions. A complete set of 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. Projects 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 NOX (from stack & ambient air) shall be displayed at the main gate of the power plant.
PPs Submission: Being Complied EIA & EMP have already submitted, Compliance report are being uploaded on website. Display Board Installed.		Date: 01/06/2024
10	WATER QUALITY MONITORING AND PRESERVATION	No ground water shall be extracted for use in operation of the power plant even in lean season. Hydro geological study of the area shall be reviewed annually and report submitted to the Ministry.
PPs Submission: Being Complied Ground water is not extracted for operation of power plant. Hydrogeological study was carried out during the impact assessment study and report has been submitted with the earlier compliance reports.		Date: 01/06/2024
11	MISCELLANEOUS	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
PPs Submission: Complied No additional soil is used for leveling		Date: 01/06/2024
12	WASTE MANAGEMENT	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 of the Ministry from time to time.
PPs Submission: Being Complied Fly ash is being utilized more than 100% and reported to CECB, CPCB & MoEFCC, CEA regularly.		Date: 01/06/2024
13	WASTE MANAGEMENT	Fly Ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed of 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 from the existing ash pond. No ash shall be disposed of in low lying area.

<p>PPs Submission: Complied Fly Ash is collected in dry form in Ash Silos, in the event of any technical failure or less utilization of fly ash than generation, ash is shifted to ash pond.</p>		<p>Date: 01/06/2024</p>
14	WASTE MANAGEMENT	For disposal of Bottom Ash in abandoned mines (if proposed to be undertaken) it 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.
<p>PPs Submission: Being Complied We are informing to Chhattisgarh Environment Conservation Board prior to start of any ash disposal in abandoned mines as well low lying area. We are also implementing all control measure as per government directives to avoid any adverse effect in environment.</p>		<p>Date: 01/06/2024</p>
15	GREENBELT	Green Belt consisting of 3 tiers of plantations of native species around plant and at least 100m width shall be raised. Wherever 100m width is not feasible adequate justification shall be submitted to the Ministry and Green belt shall be raised all around the plant comprising of at least 33% of total area. Tree density shall not less than 2500 per ha with survival rate not less than 75%.
<p>PPs Submission: Being Complied We have developed thick greenbelt covering 33% area of total plant area with the native species; survival rate of plantation is more than 75%. Till now 2.75 Lakh saplings have been planted. During (2023-2024) we have planted 6500 plants.</p>		<p>Date: 01/06/2024</p>
16	Corporate Environmental Responsibility	Two nearest village shall be adopted and basic amenities like development of roads, drinking water supply, primary health center, primary school etc. shall be developed in co-ordination with the district administration.
<p>PPs Submission: Being Complied We are providing basic infrastructure facilities, education programme, health and renovation of structures in & around the villages.</p>		<p>Date: 01/06/2024</p>
17	Corporate Environmental Responsibility	The project proponent shall also adequately contribute in the development of the neighboring villages. Special Package with implementation schedule for free potable drinking water supply in the nearby village and schools shall be undertaken in a time bound manner.
<p>PPs Submission: Being Complied We are contributing in the development of the nearby villages also under the CSR activities.</p>		<p>Date: 01/06/2024</p>
18	Statutory compliance	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 government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.
<p>PPs Submission: Agreed to Comply Project has already been commissioned and status of implementation has been reported time to time.</p>		<p>Date: 01/06/2024</p>
19	Corporate Environmental Responsibility	An amount of Rs 5.0 Crores shall be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs 1.0 Crores 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.

<p>PPs Submission: Being Complied CSR activities under taken since inception are enclosed.</p>		<p>Date: 01/06/2024</p>
20	Corporate Environmental Responsibility	<p>While identifying CSR programme the company shall conduct need based assessment for the nearby villages to study economic measure 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 orchards, vocational 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 for individuals imparted to take up self-employment and jobs.</p>
<p>PPs Submission: Being Complied We have dedicated team which is engaged with the local villagers to assess the CSR need for a long term strategy and plan for the socio-economic betterment of local people.</p>		<p>Date: 01/06/2024</p>
21	ENERGY PRESERVATION MEASURES	<p>Sulphur and ash contents in the fuel to be used in the projects shall not exceed 0.6% and 34% respectively at any given time. In case of variation of coal quality at any point of time fresh reference shall be made to MoEF for suitable amendments to environmental clearance condition wherever necessary.</p>
<p>PPs Submission: Agreed to Comply We are using ROM coal from SECL / MCL, Which generally comply the requirement.</p>		<p>Date: 01/06/2024</p>
22	AIR QUALITY MONITORING AND PRESERVATION	<p>A stack of 275m height shall be provided with continuous online monitoring equipment's for SOx, NOx and Particulate Matter (PM2.5 & PM10). Exit velocity of flue gases shall not be less than 22m/sec. Mercury emission from stack may also monitored on periodic basis.</p>
<p>PPs Submission: Complied Stack of 275 mtr height constructed and connected with CEMS. Data is Regularly uploading to server. Exit gas velocity is effectively maintained more than 22 m/sec.</p>		<p>Date: 01/06/2024</p>
23	WATER QUALITY MONITORING AND PRESERVATION	<p>Source sustainability study of water requirement shall be carried out by an institute of repute. The study shall also specify the source of water for meeting the requirement during lean season. The report shall be submitted to the Regional Office of the Ministry within six months.</p>
<p>PPs Submission: Complied Source sustainability study of water requirement has been conducted and report has already been submitted with the earlier compliance reports.</p>		<p>Date: 01/06/2024</p>
24	WATER QUALITY MONITORING AND PRESERVATION	<p>No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up/ operation of the power plant.</p>
<p>PPs Submission: Complied No water bodies including natural drainage system is disturbed during construction phase of the project, as well operation activity of the plant.</p>		<p>Date: 01/06/2024</p>
25	WATER QUALITY MONITORING AND PRESERVATION	<p>COC of 6.0 shall be adopted. The treated effluent conforming to the prescribed standards only shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during monsoon. Arrangements shall be made that effluent and storm water do not get mixed. A sewage treatment plant shall be provided</p>

		(as applicable) and the treated sewage shall be used for raising greenbelt/ Plantation.
PPs Submission: Being Complied Plant is maintaining COC 6.0.Plant is designed with Zero Liquid Discharge unit and no Wastewater is being discharged outside the plant premises (Except storm water during monsoon).STP is installed.		Date: 01/06/2024
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / 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.
PPs Submission: Complied copy of the clearance letter has been already sent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban local body and the Local NGO.		Date: 01/06/2024
2	WATER QUALITY MONITORING AND PRESERVATION	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, Pd) 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 that the ground water quality is not adversely affected due to the projects.
PPs Submission: Being Complied Regular monitoring of the ground water level and quality is being carried out. Monitoring of ground water level is being carried out at 3 locations in buffer zone with existing bore well / well and 2 Piezometer within core zone. Ground water quality monitoring for ash pond area particularly for heavy metals (Hg, Cr, As, Pb) and core and buffer zone as per IS:10500 is being carried out and Ground Water quality records are being maintained and no adverse effects are observed.		Date: 01/06/2024
3	MISCELLANEOUS	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
PPs Submission: Complied Plant is operational now and construction phase is over. Although, Well equipped Occupational health center is established with a MBBS doctor and nursing staff.		Date: 01/06/2024
4	AIR QUALITY MONITORING AND PRESERVATION	Regular monitoring of ground level concentration of SO2, NOX, PM2.5 & PM10 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 report shall be submitted to the Regional Office of the Ministry. The data shall also be put on the website of the company.
PPs Submission: Being Complied 04 Nos. Continuous Ambient Air Quality Monitoring Station for Monitoring of Ground level concentration of SO2, NOX, PM2.5 & PM10 parameters are installed in core zone and connected with the CECB and CPCB servers. In addition to this, manual sampling and analysis of Ambient Air		Date: 01/06/2024

<p>Quality is being carried out twice in week for SO₂, NO_x, PM_{2.5} & PM₁₀ Hg and CO by the NABL/MoEF&CC accredited laboratory. To avoid fugitive emission occurring due to movement of heavy vehicle a team is deployed for cleaning of roads as well tractor mounted water tanker is deployed for sprinkling of water on dust prone area as well roads.</p>		
5	MISCELLANEOUS	Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. the housing may be in the form of temporary structure to be removed after the completion of the project.
<p>PPs Submission: Complied During construction phase, all necessary facilities like housing structure, safe drinking water, toilets, and fuel for cooking, healthcare etc. are being provided to the laborers. Although these structures have been removed as no construction activity is ongoing.</p>		Date: 01/06/2024
6	Statutory compliance	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 projects has been accorded environmental clearance and copies 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.nic.in .
<p>PPs Submission: Complied Same has been complied & advertisement had been published in two newspapers. Information shared in earlier compliance reports.</p>		Date: 01/06/2024
7	MISCELLANEOUS	An Environmental Cell shall be created at the projects 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.
<p>PPs Submission: Complied We have well qualified Environment Management Cell.</p>		Date: 01/06/2024
8	Statutory compliance	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 Pollution Control Board. The projects 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 E-mail to the Regional Office, Ministry of Environment and Forests.
<p>PPs Submission: Being Complied Status of compliance of conditions stipulated in Environmental Clearance is uploaded on company's website and updated the same regularly and six monthly compliance reports has been submitted to respective authority. Copy of Environmental Clearance has already been also E-mailed to the Regional Office of the MoEF&CC.</p>		Date: 01/06/2024
9	MISCELLANEOUS	Storage facilities for auxiliary liquid fuel such as LDO and HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.

<p>PPs Submission: Complied LDO will be used as auxiliary fuel. For storage of LDO two fuel storage tanks with all required safety measures as per Department of Explosives, Nagpur / Petroleum Explosive Safety Organization (PESO), Nagpur is constructed at plant site. Disaster management Plan is prepared to handle to any eventuality in case of an accident taking place and already submitted with earlier compliance report</p>		<p>Date: 01/06/2024</p>
10	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>Monitoring surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.</p>
<p>PPs Submission: Being Complied The surface water samples are being collected periodically and analyzed by NABL / MoEFCC accredited laboratory.</p>		<p>Date: 01/06/2024</p>
11	<p>Noise Monitoring & Prevention</p>	<p>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 earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc. shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non-noisy/less noisy areas.</p>
<p>PPs Submission: Being Complied Turbines are installed with acoustic for maintaining noise level below 85 dB (A). The noise level in the work zone area is being maintained below 85 dB (A) and below 75 dB (A) in non-working zone/ area in the plant. Earplugs /ear muffs are provided as PPE to the workers engaged in high noise zone. All the workers are being medically examined for the hearing efficiency i.e. audiometry. If any hearing loss of any worker is identified, same worker is shifted to non-noisy/less noisy areas.</p>		<p>Date: 01/06/2024</p>
12	<p>MISCELLANEOUS</p>	<p>Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer seasons. Copy of these measures with full details along with locations plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.</p>
<p>PPs Submission: Complied Area of fire hazard has been identified and onsite emergency plan has been developed to handle the spontaneous fires as well other fire incidents. Plant premises are having a wide network of fixed fire hydrant system and Water sprinkling system to handle Safety issues and to prevent fire. In addition to this, two fire tender with trained firefighting team is also available at the site to handle fire. Copy of these measures with full details along with locations plant layout has been submitted to the Ministry as well as to the Regional Office of the Ministry in earlier compliance.</p>		<p>Date: 01/06/2024</p>
13	<p>Statutory compliance</p>	<p>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.</p>
<p>PPs Submission: Being Complied Noted & being complied.</p>		<p>Date: 01/06/2024</p>
14	<p>MISCELLANEOUS</p>	<p>Separate funds shall be allocated for implementation of environmental protection measures along with item wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be</p>

		diverted for other purposes and year wise expenditure should be reported to the Ministry.
PPs Submission: Being Complied Operation and maintenance each year recurring fund is allocated, allocated fund for environmental safeguarding is not diverted to another heads.		Date: 01/06/2024
15	Statutory compliance	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. If shall simultaneously be sent to the Regional Office of MoEF the respective Zonal Office of CPCB and the SPCB. The criteria pollution levels namely; SPM, RSPM (PM2.5 & PM10), SO2, NOX (ambient as well as stacks emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.
PPs Submission: Being Complied Half yearly compliance status Report of conditions stipulated in Environment Clearance along with all monitored data is being updated to official website of company, Copy of Half yearly compliance status Report of conditions stipulated in Environment Clearance along with all monitored data are being submitted to the Regional Office of MoEF&CC, CPCB Delhi, CPCB Zonal Office and the CECB.		Date: 01/06/2024
16	AIR QUALITY MONITORING AND PRESERVATION	The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the projects proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by E-mail.
PPs Submission: Being Complied Environment Statement (Form –V) for each financial year is being prepared and submitted to Chhattisgarh Environment Conservation Board regularly. Copy of same is being uploaded in company website. Copy of the Environment Statement (Form-V) is being regularly submitting to Regional Offices of the MoEF&CC through E-mail.		Date: 01/06/2024
17	Statutory compliance	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the projects by the concerned authorities and the dates of start of land development work and commissioning of plant.
PPs Submission: Being Complied Noted & being complied.		Date: 01/06/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		