

# Six Monthly Environmental Compliance Report

October 2019 to March 2020

Rosa Power Supply Co. Ltd.  
Stage\_II



Ref: RPSCL/Env/EC/05/2020/6

Date: 23.05.2020

✓ To,  
The Director  
Ministry of Environment & Forests  
Kendriya Bhawan, 5<sup>th</sup> Floor  
Sector-H, Aliganj, LUCKNOW (U.P.)  
Sub: Compliance Status – 2X300 MW Rosa Thermal Power Plant Stage-II

Dear Sir,

This is with reference to the Environmental Clearance no J-13011/73/2007-IA.II (T) dated 20.07.2009 issued to us.

As advised please find enclosed the six monthly compliance reports both in hard & soft copy for the period of October 2019 to March 2020.

Thanking You,

For Rosa Power Supply Co. Ltd.

  
(Authorized Signatory)



Cc: (I) Regional Officer UPPCB Bareilly (U.P.)  
(II) Regional Officer CPCB Lucknow (U.P.)  
(III) Member Secretary UPPCB Lucknow (U.P.)

Encl: Six Monthly Compliance report

- i. Annexure 1: Refer Annexure \_ I of St\_1 Compliance\_ETP/STP Effluent Water Report
- ii. Annexure 2: Stack Monitoring Report
- iii. Annexure 3: Refer Annexure \_ III of St\_1 Compliance\_Ash %
- iv. Annexure 4: Refer Annexure \_ IV of St\_1 Compliance\_Ground Water
- v. Annexure 5: Refer Annexure \_ V of St\_1 Compliance\_Green Belt
- vi. Annexure 6: Refer Annexure \_ VI of St\_1 Compliance\_First Aid Facility
- vii. Annexure 7: Refer Annexure \_ VII of St\_1 Compliance\_Noise Monitoring
- viii. Annexure 8: Refer Annexure \_ VIII of St\_1 Compliance\_AAQ Monitoring
- ix. Annexure 9: Refer Annexure \_ IX of Stage\_1 Compliance \_EHS organization Structure
- x. Annexure 10: Analysis Report of Bottom Ash
- xi. Annexure 11: Sulphur Content in LDO
- xii. Annexure 12: Surface Water Quality Analysis Report
- xiii. Annexure 13: Brief report of CSR programmes undertaken in last 3 years
- xiv. Annexure 14: Corporate Environmental Policy



Rosa Power Supply Co Ltd, Vill. Chaudhera, Rosa, Sahajahanpur.  
Capacity: 2 X300 MW- Stage II

Compliance Status of Env Clearance Letter No – F.No. J-13011-73-2007-IA.II(T) Dated 20.07.2009

Sr. No.	Stipulated Clearance Conditions	Compliance status
3. (i)	No additional land in excess of 210 ha for stage II of the project and 610 ha for both stage -I & II shall be acquired for any activity/ facility of this project	Complied. The total land available for stage – I & stage - II is 610 ha.
3.(ii)	No facility related to the project shall remain within 500 meter distance from State Highway No. 25 except water reservoir which should be shifted beyond 500 meters from SH-25 within three years from the date of issue of EC letter for the ROSA project	MoEF has substituted vide amendment in EC dated 21 <sup>st</sup> July 2014 as <i>"In case the state Govt. undertakes widening of the state Highway No. 25, the project proponent shall extend all co-operation and support and without any claim for compensation, demolish / dismantle any construction at its own cost and relinquish the portion of area falling in the power plant area for highway extension."</i>  Amendment is noted for compliance.
3.(iii)	Sulphur and ash contents in the coal to be used in the project shall not exceed 0.5% and 40.5% respectively at any given time. In case of variation in coal quality at the time of issue of LOA, a fresh reference shall be made to MoEF for suitable amendments to environmental clearance conditions wherever necessary	The ash content is maintained to an quarterly average <34% while sulphur content is maintained <0.5%.  Copy of Test Report of Coal sample enclosed as <b>Annexure_III</b> of St_1 Compliance.
3. (iv)	A bi-flue stack of 275 m height shall be provided with continuous online monitoring equipments for SO <sub>x</sub> , NO <sub>x</sub> and Particulate matter. Exit velocity of flue gases shall not be less than 25 m/ sec. Mercury emissions from stack may also be monitored on quarterly basis.	Continuous online monitoring system of CODEL, UK make has been installed for stack emission. Stack Emission Monitoring (Iso-Kinetic) Report along with Hg Emission is attached as <b>Annexure-II</b> .
3. (v)	High efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm <sup>3</sup> .	Complied. High efficiency Electrostatic Precipitators (ESPs) has been installed to ensure that particulate emission does not exceed 50 mg/Nm <sup>3</sup> .
3. (vi)	Space provision shall be kept for retrofitting of FGD, if required at a later date	Complied. Space provision for FGD has been incorporated in to the layout.
3. (vii)	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.	Measures such as Bag filters, Dust Extraction system, Water Sprinkling are in use and working efficiently to control fugitive emission in CHP & AHP Area





Sr. No.	Stipulated Clearance Conditions	Compliance status
	transfer areas and other vulnerable dusty areas shall be provided	
3.(viii)	<p>Fly ash shall be collected in dry form and storage facility (silos) shall be provided. 100% fly ash utilization shall be ensured from 3rd year onwards</p> <p>Unutilized ash shall be disposed off in the ash pond in the form of High Concentration Slurry (60% ash and 40% water) 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 should be utilized in low lying area as micro nutrients for agriculture and mine filling</p>	<p>Noted for compliance.</p> <p>EAC in meeting dated 12.09.2011, agreed and allowed to have conventional slurry disposal system in place off HCSD for <b>Stage-II</b> similar to that of <b>Stage-I</b>. Please find enclosed bottom ash analysis report for heavy metal. Report enclosed as <b>Annexure_X</b></p>
3. (ix)	Closed cycle cooling system With Induced Draft cooling towers shall be provided. COC of at least 4 shall be adopted and the effluents shall be treated as per the prescribed norms	Cooling water system has been designed for COC of >4. The effluent is being treated as per the prescribed norms.
3. (x)	No ground water should be extracted for project work at any stage	For project work, no ground water was extracted during the construction.
3. (xi)	<p>The treated effluents conforming to the prescribed standards shall be re-circulated and re-used within the plant</p> <p>There shall be no discharge outside the plant boundary except during monsoon</p> <p>Arrangements shall be made such that effluents and storm water do not get mixed</p>	<p>Sewage Treatment facility has been provided for both domestic sewage and effluent treatment plant has been provided for the treatment of industrial discharge.</p> <p>Arrangements have been made to not allow effluent and storm water to get mixed at any location within Plant premises.</p>
3.(xii)	A sewage treatment plant shall be provided and the treated sewage shall be used for raising greenbelt / plantation.	A sewage treatment plant of 10KL has been installed since inception and another STP of approx 10 KLD had been installed recently in Feb 2019 near CHP Area. Treated water is being re-used for development of greenbelt/ plantation.
3. (xiii)	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	The project site has shallow ground water level hence artificial recharge to ground water shall not be feasible. Hence, Central Ground Water Authority and has negated the above requirement vide letter No. 32-5/CGWA/RWH/OTH/08-332 dated 29/01/2008.
3.(xiv)	Adequate safety measures shall be provided in the plant area to check minimize spontaneous fires in coal yard, especially during summer season	Compaction of coal pile is maintained regularly at coal stack yard. Fire fighting arrangement has been provided along coal pile area.





Sr. No.	Stipulated Clearance Conditions	Compliance status
3. (xv)	Storage facilities for auxiliary liquid fuel such as LDO and/ HFO/LSHS shall be made in the plant area in consultation with Deptt. 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	PESO approval has been obtained for storage of LDO/HFO. The Sulphur Content report is attached and less than 0.5%. Refer <b>Annexure_XI</b> . The disaster management plan already submitted along with EIA/EMP reports to MoEF & which is duly approved and accordingly Environmental Clearance is granted.
3.(xvi)	Regular monitoring of ground water in and around the ash pond area including heavy metals (Hg, Cr, As, Pb) shall be carried out, records maintained and six monthly reports shall be furnished to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the groundwater quality is not adversely affected due to the project.	Refer <b>Annexure -IV of St_1</b> Compliance Report.
3. (xvii)	A green belt of adequate width and density shall be developed around the plant periphery covering 30% of total area preferably with native plant species	Total land of Rosa Thermal Power Plant (4x300MW) is 610Ha. As per 33% Norms of MoEF, we had to develop green belt in 201 Ha. Rosa Power has already been developed green belt / plantation over an area of 283.5 Ha which is approx 46% including township. A total of 5,92,568 trees / shrubs are already planted till date. Local species are chosen for developing green belt. Refer <b>Annexure-V of St_1</b> for status of plantation for both stages.
3. (xviii)	Corpus fund of Rs. 24 crore shall be earmarked for CSR activities	The creation of a corpus fund for CSR activity was considered during construction of the project. The project commissioned in 2011 and now the CSR expenses are governed by as per Section 135 of the Companies Act 2013, Companies (Corporate Social Responsibility Policy) Rules, 2014
3. (ixx)	First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase	First aid, ambulance & sanitation facility was provided by contractors at construction site during construction phase.  The plant has First Aid, Ambulance and sanitation facilities at its operation also for the employees and workers. Refer <b>Annexure_VI of Stage_I</b> .
3. (xx)	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 75 dBA.	The Noise level monitoring is being carried out regularly at work places and the noise level is being maintained below to the stipulated norms. The people working at high noise area are being provided with PPF and facilitated with job



Sr. No.	Stipulated Clearance Conditions	Compliance status
	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	rotation if required as per Audiometry Results. Noise Monitoring Report attached as <b>Annexure_VII of St_1.</b>
3. (xxi)	<p>Regular monitoring of ground level concentration of SO<sub>2</sub>, NO<sub>x</sub>, RSPM and Hg shall be carried out in the impact zone and records maintained.</p> <p>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.</p> <p>Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.</p>	<p>Being Complied.</p> <p>The Ambient air quality monitoring is being carried out regularly. Refer <b>Annexure-VIII of St-1.</b> The results are in compliance with National Standard of AAQ.</p> <p>The location and frequency are in consent of UP State Pollution Board.</p>
3.(xxii)	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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<p>Complied.</p> <p>The project is in operation phase now.</p> <p>During construction phase the stipulation was complied for construction worker by providing housing and all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care etc.</p>
3. (xxiii)	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 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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	<p>Complied.</p> <p>Photocopies of the newspapers advertisements, has already been submitted to your good office.</p>
3. (xxiv)	A copy of the clearance letter shall be sent by the proponent to concerned	Noted and complied





Sr. No.	Stipulated Clearance Conditions	Compliance status
	Panchayat, Zila Parisad / Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent	
3. (xxv)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards	A separate Environment Health and safety (EHS) cell has been formed from different discipline for implementation & monitoring of the stipulated environmental safeguards. Refer Annexure_IX of Stage _1.
3. (xxvi)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF of the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> and NO <sub>x</sub> (ambient levels as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain	Noted for compliance. <ul style="list-style-type: none"> <li>• EC is uploaded at site.</li> <li>• On line display of Stack Emission is made available near main gate.</li> <li>• Online Continuous Ambient Monitoring Stations has been installed.</li> <li>• On Line Effluent quality monitoring has been installed.</li> <li>• All on line monitoring systems are connected with CPCB Central Server.</li> </ul>
3. (xxvii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB	Noted and complied.
3. (xxviii)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, as amended subsequent years shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail	Environmental Statement of FY 2018-19 has already been submitted to your good office vide letter no. RPSCL/Env/Statement/05/2019/03 dated 09/05/2019.
3. (ixxx)	Regional Office of the Ministry of Environment & Forests located at Lucknow will monitor the implementation of the stipulated conditions. A complete	Noted for compliance.



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	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. Project proponent will upload the compliance status in their website and up-date the same at least six monthly basis from time to time. Criteria pollutants levels (Stack & ambient levels of NOx) will be displayed at the main gate of the power plant																																																	
3. (xxx)	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 diverted for other purposes and year wise expenditure should be reported to the Ministry.	<p>Noted for compliance.</p> <p>Approx Rs.269.2Cr (Rs. 100Cr for Stage-1 and Rs. 169.2Cr for Stage-2) were allocated for implementation of environmental protection measures during design and construction of the power station.. Further for operation of the power station, the environmental protection cost has been now increased and approx 381Cr had been spent item wise breakup is as under:</p> <p><b>Capital Expenditure for Stage I &amp; II:</b></p> <table> <tr> <th>S.N</th><th>Description</th><th>Amount (Rs)</th></tr> <tr> <td>1</td><td>Dust Extraction System</td><td>46517</td></tr> <tr> <td>2</td><td>Continuous Effluent Monitoring System</td><td>1199999</td></tr> <tr> <td>3</td><td>Ash recovery water System</td><td>50489462</td></tr> <tr> <td>4</td><td>Ash Handling Plant</td><td>1682886259</td></tr> <tr> <td>5</td><td>Ash Disposal System</td><td>270068438</td></tr> <tr> <td>6</td><td>CAAQMS</td><td>17610984</td></tr> <tr> <td>7</td><td>Chemical &amp; Environmental Lab -UI</td><td>1554259</td></tr> <tr> <td>8</td><td>Chimney</td><td>477148378</td></tr> <tr> <td>9</td><td>Gas emission Monitoring Instrument</td><td>17388191</td></tr> <tr> <td>10</td><td>Sewerage Treatment Plant</td><td>241798095</td></tr> <tr> <td>11</td><td>Effluent Treatment Plant</td><td>155369441</td></tr> <tr> <td>12</td><td>Electrostatic Precipitators</td><td>889597026</td></tr> <tr> <td>13</td><td>Online Coal Ash Analyser</td><td>3200000</td></tr> <tr> <td>14</td><td>Instrument for Online Remote Calibration of CEMS</td><td>1800000</td></tr> <tr> <td></td><td><b>Total (Cr)</b></td><td><b>381.02</b></td></tr> </table>	S.N	Description	Amount (Rs)	1	Dust Extraction System	46517	2	Continuous Effluent Monitoring System	1199999	3	Ash recovery water System	50489462	4	Ash Handling Plant	1682886259	5	Ash Disposal System	270068438	6	CAAQMS	17610984	7	Chemical & Environmental Lab -UI	1554259	8	Chimney	477148378	9	Gas emission Monitoring Instrument	17388191	10	Sewerage Treatment Plant	241798095	11	Effluent Treatment Plant	155369441	12	Electrostatic Precipitators	889597026	13	Online Coal Ash Analyser	3200000	14	Instrument for Online Remote Calibration of CEMS	1800000		<b>Total (Cr)</b>	<b>381.02</b>
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Sr. No.	Stipulated Clearance Conditions	Compliance status
		<b>Operational Expenditure for Stage I &amp; II:</b> <ol style="list-style-type: none"> <li>Environment Monitoring and STP Operation 0.49 Cr</li> <li>Horticulture 1.50 Cr</li> <li>ETP Operation 0.02 Cr</li> <li>ESP Maintenance 0.75 Cr</li> </ol>
3. (xxxi)	Copy of R&R Plan should be submitted within six months from the date of environmental clearance letter	Rehabilitation & Resettlement plan has been prepared in line with NRRP 2007 and submitted to District Administration as well as MoEF dated on 9 <sup>th</sup> June, 2009. This has been completed and no pending issues are persisting as of now. R&R Plan has already been submitted to your good office dated on 9 <sup>th</sup> June, 2009.
3. (xxxii)	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant	Complied.
3.(xxxiii)	Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry at Lucknow / the CPCB / the SPCB who would be monitoring the compliance of environmental status	Noted & adhered
4.	The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. MoEF may impose additional environmental conditions or modify the existing ones, if necessary	Noted.
5.	The environmental clearance accorded shall be valid for a period of 5 years to start operations by the power plant	The Stage II of the plant is already in operation phase since 31/3/2012. Commercial Operation Date (COD) of Unit#3 is 31.03.2012 and COD of Unit#4 is 31.03.2012.
6.	In case of any deviation or alteration in the project proposed including coal transportation system from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition (s) imposed and to add additional environmental protection measures required, if any	Noted for compliance.
7.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act,	Noted & adhered.



Sr. No.	Stipulated Clearance Conditions	Compliance status
	1984, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments	
8.	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997	Noted for compliance.
3.	<b>Under Para no. 3 of the EC dated 20.07.2009, after the condition no. (xxxiii), the following conditions shall be added vide amendment in EC dated 21<sup>st</sup> July 2014:</b>	
(xxxiv)	Harnessing Solar Power within the premises of the plant particularly at available rooftops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry	We have installed Solar Power Stations on available roof of the following Buildings. (i) Administrative Block (ii) D M Plant (iii) Pre Treatment Plant (iv) Chlorination Plant (v) VIP Guest House and Training Center . The total capacity is 125 kw.
(xxxv)	A long term study of radioactivity 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 heavy metals in coal and fly ash (including bottom ash) shall be put in place	For measurement of Radioactivity, we have procured an instrument and the monitoring is being done on monthly basis. So far no radioactive emission from coal is observed. Heavy metals in Bottom ash is monitored on half-yearly basis. Report is enclosed as <b>Annexure- X</b> .
(xxxvi)	Fugitive emissions shall be controlled to prevent impact on agricultural or non-agricultural land	Measures such as Bag filters, Dust Extraction system, Water Sprinkling are in use and working efficiently to control fugitive emission in CHP & AHP Area
(xxxvii)	Minimum required environmental flow suggested by the competent authority of the State Govt. shall be maintained in channel/ Rivers (as applicable) even in lean season	Noted and complied.
(xxxviii)	Green belt shall also be developed around the ash pond over and above the Green belt around the plant boundary	Total land of Rosa Thermal Power Plant (4x300MW) is 610Ha. As per 33% Norms of MoEF, we had to develop green belt in 201 Ha. Rosa Power has already been developed green belt / plantation over an area of 283.5 Ha which is approx 46% including township. A total of 5,92,568 trees / shrubs are already planted till date. Local species are chosen for developing green belt.  More than 15000 trees have been planted so far around the ash dyke.
(xxxix)	Monitoring of surface water quantity and quality shall also be regularly conducted and records maintained. The monitored	Surface water quality is monitored regularly and report is enclosed as <b>Annexure_XII</b> .





Sr. No.	Stipulated Clearance Conditions	Compliance status
	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 of heavy metals in ground water shall be undertaken.	Ground water monitoring for heavy metals being done on six monthly basis and report is enclosed as <b>Annexure_IV with Stage_1 Compliance.</b>
(xi)	CSR Schemes shall address 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 of in the project after imparting relevant training shall be also undertaken. 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. Vocational training programme for possible self employment and jobs shall be imparted to identify villagers free of cost.	<p>The Goal of RPSCL is to emerge as a sensitive corporate house, focusing on Livelihood of land losers in particular and In addition the company is also addressing issues regarding health, social welfare, improvement of quality of life of all inhabitants of Project Affected villagers. The Company carried out a Survey/Need Assessment of all PAVs through a external agencies and after due interactive process embarked CSR activities to include:</p> <ul style="list-style-type: none"> <li>• Livelihood (Capacity Building of Youths &amp; women's) – Unnati Project</li> <li>• Health Services – Swasth Chetna Project</li> <li>• Quality Education – Hamari Patshala Project</li> <li>• Social Infrastructure initiatives.</li> </ul> <p>Consultation on each intervention is shared on a day to day basis with the respective Gram Panchayats &amp; Concern Government Officials.</p> <p>Brief report of expenditure along with programmes undertaken in last 3 years is enclosed as <b>Annexure – XIII.</b></p>
(xli)	For proper and periodic monitoring of CSR activities, a CSR Committee or a social audit committee or a suitable credible external agency shall be appointed. CSR Activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.	As per the revised companies Act , 2013, CSR Committee as per Sec 135.3.a is formed. Evaluation of each specific CSR intervention is monitored & evaluated by the CSR Committee. All the activities initiated are as per the Schedule VII of Companies Act ,2013. An independent agency has been assigned with the CSR work evaluation.
(xlii)	An Environmental Cell comprising of at least one expert in environmental science/ engineering, ecology, occupational health and social science, shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the plant who would be accountable for implementation of environmental regulations and social	Rosa Power has a well equipped Environmental Cell comprising of environmental expert and staff which is headed by Head-EHS. The organization structure is enclosed as <b>Annexure-IX of Stage_I.</b>





Sr. No.	Stipulated Clearance Conditions	Compliance status
	impact improvement/ mitigation measures.	
(xlili)	The project proponent shall formulate a well laid Corporate Environment Policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.	Corporate Environmental Policy is formulated. Copy of same is enclosed as <b>Annexure-XIV</b> .
4	All other conditions mentioned in the ministry's letter of even no. dated 20.07.2009 as amended shall remain the same.	Noted
Environment (Protection) Amendment Rules, 2014 – Notification No. G.S.R. O2(EI) dated 24 Jan.2014, regarding supply and use of coal with ash content not exceeding 34% to coal based Thermal Power Plants – compliance reg.		
	The Thermal Power Plants attracting the said Notification shall submit its Compliance to the Ministry Regional Office and SPCB concerned along with the compliance reports of the environmental safeguards stipulated in the Ecs and Consents.	Coal used by RPSCCL has ash content less than 34%. <b>Refer Annex_III of Satge I Compliance.</b>
MOEF Office Memorandum No. Q-15017/40/2007-CPW, dt. 26.08.2015: Protocol for sampling, analysis of Coal and reporting of compliance wrt. Notification on use & supply of raw or blended or beneficiated coal with Ash content not exceeding 34%. –reg		
	Ash content monitoring (sampling and analysis) technique of coal TPP to installed & operate real-time monitoring system. Real time monitoring using auto mechanical sampling (online) from moving stream shall be used for sampling fuels this shall be effective from a date not later 01.09.2016.	Complied. Online Coal Ash Analyser had been installed for real time Ash% monitoring.
<b>S.O. 3305(E).</b> — In exercise of the powers conferred by sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely:— 1. (1) These rules may be called the Environment (Protection) Amendment Rules, 2015 dated 7th December, 2015.		
i	All existing CT-based plants reduce specific water consumption upto maximum of 3.5m <sup>3</sup> /MWh within a period of two years from the date of Publication of this notification.	Complied. Specific water consumption is below 3.5m <sup>3</sup> /MWh
ii	TPPs ( units) installed after 1st January,2003, upto 31st December, 2016*  a) Particulate Matter: 50 mg/Nm <sup>3</sup> b) Sulphur Dioxide (SO <sub>2</sub> ) : 600 mg/Nm <sup>3</sup> (Units Smaller than 500MW capacity units) c) Oxides of Nitrogen ( NO <sub>x</sub> ): 300 mg/Nm <sup>3</sup> d) Mercury ( Hg :) 0.03 mg/Nm <sup>3</sup>	Noted.  Noted.  a) Emission Norms for Particulate Matter is 50 mg/Nm <sup>3</sup> as per Environmental Clearance Condition and there was no norms for SO <sub>x</sub> , NO <sub>x</sub> and Hg. MoEF&CC published its Notification in 2015 for New Emission





Sr. No.	Stipulated Clearance Conditions	Compliance status
		<p>norms for Particulate Matter, SO<sub>x</sub>, NO<sub>x</sub> and for Hg and the Compliance completion date was before Jan-18.- CPCB/CEA give relaxation to this Compliance condition to comply this Norms upto Dec-2021 for RPSCL.</p> <p>b) RPSCL has made DPR for implementation of New Emission Norms as per guidelines of CEA and Submitted to CEA authority for cost approval.</p> <p>c) Vendor finalization for ESP up gradation, wet FGD installation and NO<sub>x</sub> control is completed, LOI issued and award of work is in progress.</p> <p>d) Hg emission is well below stipulated norms. Hence, there is no requirement for Hg control technology up gradation.</p> <p>e) Achieving the prescribed Norms. Refer Annex-2, Stack Emission Monitoring Report.</p>
CPCB Notice for Remote Calibration vide File No. 12011/33/2018/IT – RCAL, Dated – 25 <sup>th</sup> June, 2018		
	<p>Directions for installation of Online Continuous Emission Monitoring System (OCEMS) and submission of its data to CPCB online were issued to 17 categories of highly polluting industries and grossly polluting industries by CPCB in the year 2015.</p> <p>Further</p> <p>i) Time extension, to install remote calibration facility for OCEMS performance check by CPCB and SPCBs/PCCs, is given till 20.09.2018. All industries shall also submit remote calibration facility details such as make, model and device ID in the section 12 "Instrument Details" of Form E2 of Compliance Reporting Protocol.</p>	<p>Updation of System for Remote Calibration of CEMS System as per Guideline of CPCB Completed. Online Data are transferred to CPCB server through M/s Forbes Marshall.</p>

