



**Sembcorp Energy India Limited**

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SEIL P1/MoEF&CC/Chennai/2021/005  
27<sup>th</sup> December 2021

To  
The Regional Director,  
Regional Office (South Eastern Region),  
Ministry of Environment, Forests & Climate Change,  
1<sup>st</sup> & 2<sup>nd</sup> Floor, HEPC Building, No. 34, Cathedral Garden Road,  
Nungambakkam,  
Chennai- 600034

**Sub.: Submission of Half Yearly CRZ Compliance Report of Sembcorp Energy India Limited  
Project-1 (formerly known as Thermal Powertech Corporation India Limited— TPCIL)  
for the period from April 2021 to September 2021**

**Ref.: CRZ clearance Letter No. F.No. 11-129/2010—IA – III dated 5<sup>th</sup> December 2011**


Dear Sir,

This has reference to the above subject, we are hereby submitting the Half Yearly compliance status report for the period from April 2021 to September 2021 along with supporting documents to the conditions specified under CRZ Clearance issued to Sembcorp Energy India Limited Project-1 (Formerly known as Thermal Powertech Corporation India Limited— TPCIL), Nellore.

Hope the above is in order.

Thanking you,

Yours faithfully,  
For **Sembcorp Energy India Limited**

  
**Pavan Kumar Rao V**  
Head HSE- SEIL

Copy To: 1. The Director, IA.I, MoEF & CC, New Delhi  
2. The Environmental Engineer, APPCB, Nellore

**SIX-MONTHLY  
CRZ CLEARANCE COMPLIANCE  
REPORT  
OF  
**Sembcorp Energy India Limited Project-1****

*(Formerly Known as THERMAL POWERTECH CORPORATION INDIA LIMITED)*

*2 X 660 MW COAL BASED SUPERCRITICAL THERMAL POWER PLANT*

*(STAGE I - 2 X 660 MW)*

*AT PAINAMPURAM & NELATURU VILLAGES, MUTHUKUR MANDAL*

*SPSR NELLORE DISTRICT*

*ANDHRA PRADESH*

*INDIA*



*Period: April 2021 to September 2021*

## **Background:**




Sembcorp Energy India Ltd Project-1 [formerly known as Thermal Powertech Corporation India Limited (TPCIL)] is a leading independent power company in India. SEIL is promoted by Sembcorp Utilities Pvt. Ltd., which is part of the Singapore based Sembcorp Group.

SEIL Project-1 is currently consisting of 2x660 MW is under operation since March 2015.

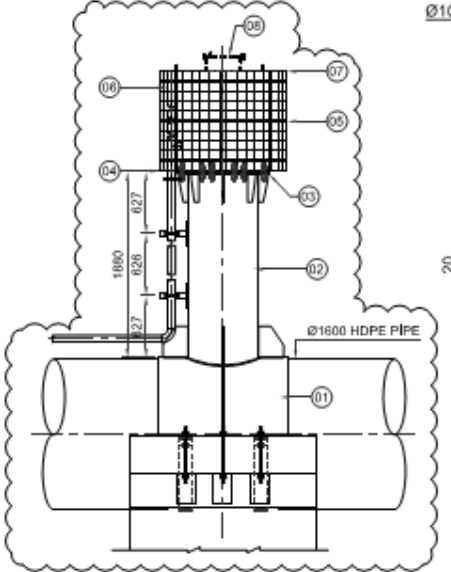
The latitude & longitude of North South extremes of Site are 80°08'35.956"E & 14°19'5.211"N and 80°09'16.325"E & 14°21'0.874"N respectively.

CRZ Clearance for the project is obtained from Ministry of Environment & Forests, Vide F.No.11-129/2010-IA.III Dated: 5<sup>th</sup> Dec 2011. The condition wise compliance to the clearance letter is detailed below.

## CONDITION WISE COMPLIANCE AGAINST CRZ CONDITIONS

S. No.	CRZ CONDITIONS	COMPLIANCE STATUS
<b><u>SPECIFIC CONDITIONS:</u></b>		
i.	“Consent For Establishment” shall be obtained from state pollution control board under air and water act and a copy shall be submitted to the Ministry before start of any construction work at the site.	<p><b>Complied.</b></p> <p>Consent For Establishment (CFE) from AP Pollution Control Board has been obtained vide Order. No. 177/PCB/CFE/RO/-NLR/HO/2009-433, Dated: 15/05/2010.</p>
ii.	Cutter suction dredging shall be adopted instead of grab technology so as to control the sediments during dredging.	<p><b>Complied.</b></p> <p>Cutter suction dredging was adopted during the said activities.</p>
iii.	Top of the pipeline buried shall be minimum 2 m below the sea bed. The PP shall obtain a certificate of compliance from the agency executing the pipeline, with supporting documentation and shall submit to RO of MoEF and to state PCB.	<p><b>Complied.</b></p> <p>Pipeline is buried at 2 m below the seabed. The compliance certificate submitted to RO of MoEF and APPCB. Copy of the same is given here.</p> <div style="text-align: right;">  </div> <p>Date: 24<sup>th</sup> June' 2014 Sub.: Sea Water Intake Pipeline Installation Certificate</p> <p style="text-align: center;"><u>TO WHOMSOEVER IT MAY CONCERN</u></p> <p>Dear Sir,</p> <p>Vide Order No. TPCIL/INFRA-01/SWI &amp; EXT CHP/SUPPLY/001 &amp; TPCIL/INFRA-01/SWI &amp; EXT CHP/SERVICES/002 dated 29-12-10 from TPCIL we have executed the work of laying the sea water intake and outfall pipelines including offshore Intake System and Diffusers for their 2X660MW Coal based Thermal Power Project at Painapuram and Nelatur Villages, Muthukuru Mandal, SPSR Nellore district.</p> <p>Entire offshore intake pipeline and Outfall pipeline of length 2000Mtrs and 1200Mtrs respectively are installed and buried in the sea bed with a minimum back fill of 2Mtrs from top of the pipeline. This is ensured through conducting post pipeline laying and post backfilling offshore depth survey through Ecosounder (Bathymetry survey). Cross section profiles for offshore chainage from LFP to Intake Header and Outfall diffuser has been attached for your reference.</p> <p>Thanking You.</p> <p style="text-align: center;">For GAYATRI PROJECTS LIMITED</p> <div style="text-align: center;">   </div> <p>I. S. N. MURTHY DGM - Projects, GPL (EPC-PP).</p> <div style="font-size: small; text-align: center;"> <p>Gayatri Projects Limited, B1, 6-3-1090, TSI Towers The Shree Road, Somajigutta, Hyderabad 500 092 CIN: L90990AP1609PLC057269</p> <p>T: +91 40 3331 0330/4284/4286 F: +91 40 2330 0435</p> <p>E: <a href="mailto:gg.phy@gayatri.co.in">gg.phy@gayatri.co.in</a> <a href="http://www.gayatri.co.in">www.gayatri.co.in</a></p> </div>

iv.	No effluent from fly ash system is permitted to discharge into the marine system as committed by PP. The effluent from fly ash shall be treated and the entire quantity shall be recycled in the cooling tower makeup etc., and suitable meter shall be installed to record the quantity of effluent recycled.	<p><b>Complying.</b></p> <p>No effluent from fly ash system is discharged into marine water. The entire effluent water from ash pond is collected and recycled. Flow Meters are installed for recording the quantity.</p>
v.	Shall implement all the measures as committed to the Ministry as a part of the clarifications submitted by the PP. A copy of these submissions shall be submitted to RO of MoEF.	<p><b>Complied.</b></p> <p>SEIL has implemented all the measures as committed to the Ministry.</p>
vi.	A suitable STP shall be used for green belt, dual plumbing system etc., measuring meters shall be provided to record the treated effluent used for different purposes.	<p><b>Complied.</b></p> <p>STP is provided to treat the domestic sewage generated at the site. The treated water is being used for greenbelt development.</p>
vii.	All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to MoEF-RO.	<p><b>Complying.</b></p> <p>The mitigation measures along with compliance are being followed at SEIL.</p>

viii.	<p>The proponent shall commit himself to be one of the partners / proponents (who have undertaken / will be undertaking similar power projects in the close proximity of site) as and when instructed by the MoEF/State Government Authorities in preparing an overall EIA report comprising both terrestrial / marine EIA components for the region and share the cost of the study and proposed mitigation measures for the coastal stretch as decided by the authorities in the best interest of protecting the environment.</p>	<p><b>Noted for compliance.</b></p>
ix.	<p>Appropriate screens and trash bars shall be put in place at the intake to avoid fish entering into the pipe due to heavy quantity of water drawl by once through water intake system.</p>	<p><b>Complied.</b></p> <p>Appropriate screens and trash bars are provided to avoid fish entering into the pipe.</p>  <p style="text-align: center;"><b>INTAKE VELOCITY CAP UNIT TYP. DETAIL</b></p>

x.	Temperature and salinity level shall be monitored regularly by providing on-line monitoring system at the appropriate location on the outfall system.	<b>Complying.</b>  The parameters are being monitored regularly by providing online EQMS which is connected to APPB/CPCB on real time basis.
xi.	Periodic monitoring of coastal water shall be carried out at outfall location.	<b>Complying.</b>  Monthly joint sampling of coastal water is being practiced along with state PCB office.
xii.	No construction work other than those permitted in coastal regulation zone notification shall be carried out in coastal regulation zone area.	<b>Complied.</b>
xiii.	The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a senior executive.	<b>Complied.</b>  SEIL established an Environment Management Cell with suitable qualified personnel under the supervision of Head-HSE.
xiv.	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	<b>Complied.</b>

S. No.	CRZ CONDITIONS	COMPLIANCE STATUS
<b><u>GENERAL CONDITIONS:</u></b>		
i.	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	<b>Noted for compliance.</b>
ii.	Full support shall be extended to the officers of this Ministry / regional office at Bangalore by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.	<b>Noted for compliance.</b>
iii.	A six – monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bangalore regarding the implementation of the stipulated conditions.	<b>Complying.</b>  Latest Half Yearly compliance report submitted vide Letter No: SEIL P1/MoF&CC/Chennai/2021/003 dated 08 <sup>th</sup> June 2021.
iv.	Ministry of Environment & Forests or any other competent Authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.	<b>Noted</b> and shall be complied.
v.	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with satisfaction of the Ministry.	<b>Noted.</b>



vi.	In the event of change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.	<b>Noted for compliance.</b>
vii.	The project proponents shall inform the regional office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	<b>Complied and Communicated.</b>
viii.	A copy of the clearance letter shall be marked to concerned Panchayat / local NGO, if any, from whom any suggestions / representation has been made received while processing the proposal.	<b>Complied.</b>
ix.	Tamil Nadu Pollution Control Board shall display a copy of the clearance letter at the Regional Office, district industries centre and Collector's Office/ Tahsildar's office for 30 days.	<b>Noted.</b> Copy of compliance has been submitted to APPCB.
x.	These stipulations would be enforced among others under the provisions of water (prevention and control of pollution) Act 1974, the air (prevention and control of pollution) Act 1981, the environment (protection) Act, 1986, the public liability (Insurance) Act 1991 and EIA notification 1994, including the amendments and rules made thereafter.	<b>Noted.</b>
xi.	All other statutory clearances such as the approvals for storage of diesel from chief controller of explosives, fire department, civil aviation department, forest conservation Act, 1980 and wild life (Protection) Act, 1972 etc., shall be obtained, as applicable by project proponents from the respective competent authorities.	<b>Complied</b> and all the necessary approvals are obtained from respective authorities.

Xii.	The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the state pollution control board and may also be seen on the website of the Ministry of Environment and Forest at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . The advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the regional office of this Ministry at Bangalore.	<b>Complied and Communicated.</b>
xiii.	Environmental Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in writ Petition (civil)No.460 of 2004 as may be applicable to this project.	<b>Noted.</b>
xiv.	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	<b>Noted</b> and compliance statement is being uploaded on Sembcorp website at <a href="https://www.sembcorpenergyindia.com/AboutUs/Disclosure">https://www.sembcorpenergyindia.com/AboutUs/Disclosure</a>
xv	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad / Municipal corporation, urban local body and 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.	<b>Complied.</b>

xvi.	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, the respective zonal office of CPCB and the SPCB.	<b>Noted</b> and uploaded on the Sembcorp website. The reports are being sent to concern regulatory bodies.
xvii.	The proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data to the respective Regional Office of MoEF, the respective zonal office of CPCB and the SPCB.	<b>Complied.</b>  Six monthly EC Compliance reports are being submitted to concern regulatory bodies.
xviii.	The Environmental statement for each financial year ending 31 <sup>st</sup> March in form-V as is mandated to be submitted by the project proponent to the concerned state pollution control board as prescribed under the environment (protection) rules, 1986 as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	<b>Complied.</b>  Environmental Statement (Form-V) for each financial year is being submitted to APPCB and the same is uploaded on company Website. Reports are being submitted to respective regulatory bodies.