



Sembcorp Energy India Limited

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SEIL P2/MoEF&CC/Chennai/2021/005
27th December 2021

To
The Regional Director,
Regional Office (South Eastern Region),
Ministry of Environment, Forests & Climate Change,
1st & 2nd 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-2 (formerly known as Sembcorp Gayatri Power Limited– SGPL) for the period
from April 2021 to September 2021**

Ref.: CRZ Letter F. No. 11-44/2011 – IA – III dated 09-04-2012, amended dated 01-05.2014

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-2 (formerly known as Sembcorp Gayatri Power Limited– SGPL), 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 Environment Engineer, APPCB, Nellore

**SIX-MONTHLY
CRZ CLEARANCE COMPLIANCE
REPORT
OF
SEMBCORP ENERGY INDIA LIMITED Project-2
(Formerly known as Sembcorp Gayatri Power Limited- SGPL)**

***2 X 660 MW COAL BASED SUPERCRITICAL THERMAL POWER PLANT
AT ANANTAVARAM VILLAGE, VARAKAVIPUDI PANCHAYAT***

TP GUDUR MANDAL

SPSR NELLORE DISTRICT

ANDHRA PRADESH

INDIA



Period: April 2021 to September 2021

01. Background:


Sembcorp Energy India Ltd Project-2 [formerly known as Sembcorp Gayatri Power Limited (SGPL)] 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-2 is currently consisting of 2x660 MW is under operation since November 2016.

The existing plant area lies between latitudes 14°20'39.07"N to 14°22'07.48"N and longitudes 80°08'11.06"E to 80°09'58.19"E.

CRZ Clearance for the project is obtained from Ministry of Environment & Forests, Vide F.No.11-44/2011-IA-III dated 09th April 2012 and amended on dated 1st May 2014. The condition wise compliance to the clearance letter is detailed below.

CONDITION WISE COMPLIANCE AGAINST CRZ CONDITIONS

S. No	Specific Conditions	Compliance Status
<u>Special Conditions:</u>		
I.	"Consent for Establishment" shall be obtained from State Pollution Control Board under Air & Water Act, and a copy shall be submitted to the Ministry before start of any construction work at site.	Complied. CFE obtained and communicated. Ref: APPCB- Order. No. 182/PCB/CFE/Ro-NLR/HO/2010- dated 23/03/2011. Currently the Plant is in Operation Stage.
II.	A revised map showing the coordinates of HTL, 200m line, 500m boundary at discrete intervals 25m/50m etc. as appropriate shall be submitted to the Ministry prior to commencement of the work, in place of mere lines shown in the map prepared by authorized agency so as to enable verification of installations and compliance thereof on the ground later when the work is in progress.	Complied. National Centre for Sustainable Coastal Management (MoEF&CC) has carried out the revised mapping which was submitted to MoEF&CC vide Ref: SGPL/MoEF&CC/Chennai/EC/61 dated. 9 th Oct, 2018.
III.	Periodic monitoring of water quality in terms of temperature, chlorine content if applicable, salinity etc. at the outfall location shall be carried out. If the impact of temperature and salinity is found significant in future, necessary remediation measures shall be taken by extending the outfall as well as the intake lines and/or providing augmentation in inland cooling facilities	Complied. Marine Outfall Water quality monitoring reports performed by APPCB approved third party are attached as Annexure-I .
IV.	The proposed village road shall be extended up to sea shore in order to provide access to the public to the sea front.	Complied.
V.	Recreational park / amusement park, approach road etc. for public use shall be developed in consultation with user community.	Various CSR programs are being undertaken in consultation with public need identification.
VI.	Installation of trash bar / screen shall be put in place at the intake well to avoid fish entrapment.	Complied. 

VII.	The intake and outfall shall be buried pipelines and no open channel / cutting is permissible in CRZ areas.	Complied.
VIII.	The outfall pipe shall be extended further by atleast by 200 m into the sea and also it shall be ensured that the intake is properly located to avoid any recirculation.	Complied. The outfall pipe is extended more than 1000 m into the sea. 
IX.	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 the site) as and when instructed by the MoEF / State government authorities in preparing a comprehensive 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 interest of protecting the environment in its entirety.	Complied. SEIL Project 2 (formerly known as Sembcorp Gayatri Power Limited– SGPL) has partnered with MoEF/State Government Authorities in preparing an overall EIA report comprising both terrestrial/marine EIA components for the region and shared 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.
X.	Best possible dredging technology shall be adopted to minimize coastal impact Zero discharge from ash pond shall be ensured as proposed.	Complied. Ash pond water overflow is recycled and treated in High Rate Suspended Solid Clarifier and ETP. Treated water is being reused in green belt development & dust suppression.
XI.	All the conditions laid by the State level Committee shall be strictly adhered to.	Complied. Compliance report submitted against conditions stipulated by State Coastal Management Authority Committee– 15.10.2013 as Annexure-II
XII.	Construction activity shall be carried out strictly as per the provisions of CRZ notification, 2011. No construction work other than those permitted in Coastal Regulation zone Notification shall be carried out in Coastal Regulation zone area.	Complied. Construction activities completed in compliance with CRZ Notification, 2011. Currently the Plant is in Operation Stage.
XIII.	The project shall be executed in such a manner that there shall not be any disturbance to the fishing activity.	Complied. Project Completed without any disturbance to the fishing activity.

XIV.	It shall be ensured that there is no displacement of people, houses or fishing activity as a result of the project.	Complied. Project Completed without any displacement of people, houses & disturbance to the fishing activity.
XV.	The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safe guards under the supervision of a senior executive.	Complied. Environment Management Cell exists in the plant with suitable qualified personnel under the supervision of Head- HSE.
XVI.	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Budget allocated for Environment Management was Rs. 573.32 Crores as per EIA (page no. 146). The amount has already been spent during 2010-2016. Currently the plant is in operation stage. However, continuous recurring cost for Environment management (EQMS, CAAQMS, CEMS, Environment Monitoring, etc.) during operation is allocated in annual budget.

S. No	General conditions	Compliance Status
General Conditions:		
i.	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Complied.
ii.	Full support shall be extended to the officers of this Ministry / Regional Office at Bengaluru 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.	Noted for compliance.
iii.	A six-monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bengaluru regarding the implementation of the stipulated conditions.	Complied. Six-monthly CRZ Compliance report [Oct 2020 to Mar 2021] submitted to MoEF&CC, APPCB vide letter ref. no. SEIL P2/MoEF&CC/Chennai/CRZ/2021/003 Dtd. 08 th 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.	Noted for compliance
v.	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	Noted for compliance
vi.	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment & Forests.	Noted for compliance

vii.	The project proponent shall inform the Regional Office as well as 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.	Complied.
viii.	A copy of the clearance letter shall be marked to concerned Panchayat / local NGO, if any, from whom any suggestion / representation has been made received while processing the proposal.	Complied.
ix.	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's Office / Tehsildar's Office for 30 Days.	Complied.
S. No	Conditions	Compliance Status
9	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.	Noted.
10	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.	Complied and all the necessary approvals are obtained from respective authorities.
11	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 http://www.envfor.nic.in . 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.	Complied and Communicated.
12	Environmental services 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.	Noted.
13	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	Noted and compliance statement is being uploaded on Sembcorp website at

		https://www.sembcorpenergyindia.com/AboutUs/Disclosure
14	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.	Complied.
15	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.	Noted and uploaded on the Sembcorp website. The reports are being sent to concern regulatory bodies.
16	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 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.	Complied. 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.

ANNEXURE- I

TEST REPORT

ISSUED TO:

M/s. Sembcorp Energy India Ltd., Project-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.)- 524344.

Issue Date: 12.06.2021

Sample Registration No: 7023/06/21-002	
Date of Sampling: 04.06.2021	
Analysis Starting Date: 07.06.2021	Analysis Completed Date: 12.06.2021
Sample Description	
Discipline: Chemical	
Group: Water	
Sample Particulars: Marine Outfall Water	
Sample Collected By: (Mr. Sridhar)	Lab Ref: CL/W/7023/06/21-002/21

TEST RESULTS

S. No	TEST PARAMETERS	TEST METHOD	UNITS	RESULTS	STANDARD
1.	pH	IS:3025(Part-11)1983	---	7.8	6.5-9.0
2.	Temperature Intake	---	°C	30.6	Shall not exceed 5°C above the Receiving temperature
3.	Temperature Out Fall	--		32.8	
4.	Electric Conductivity	IS:3025:1964	µs/cm	39208	--
5.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	24308	--
6.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	78	100
7.	Chemical oxygen demand	APHA-5220B	mg/l	80	<250
8.	Biochemical oxygen demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	20	<100
9.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	<1.0	20
10.	Total Hardness as CaCO ₃	IS:3025(Part-21)-2012	mg/l	6520	--
11.	Total Alkalinity as CaCO ₃	IS:3025(Part-23)-2012	mg/l	696	--
12.	P- Alkalinity as CaCO ₃	IS:3025(Part-13)-1964	mg/l	Nil	--
13.	Turbidity	IS:3025(Part-10)-2012	NTU	4.0	--
14.	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	1652	--
15.	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	942	--
16.	Sodium as Na	IS:3025(Part-45)1993	mg/l	5708	--
17.	Potassium as K	IS:3025(Part-45)1993	mg/l	200	--
18.	Chloride as Cl	IS:3025(Part-32)-2012	mg/l	13044	--
19.	Sulphates as SO ₄	IS:3025(Part-24)-2012	mg/l	998	--
20.	Nitrates as NO ₃	IS:3025(Part-34)-2012	mg/l	120.8	--
21.	Carbonates as CO ₃	IS:3025 1964	mg/l	Nil	--
22.	Bio Carbonates as HCO ₃	IS:3025 1964	mg/l	684	--
23.	Iron as fe	IS:3025(Part-53)-2012	mg/l	2.6	--
24.	Flouride as F	IS:3025(Part-60)-2012	mg/l	1.8	--
25.	Copper as Cu	IS:3025(Part-42)-2012	mg/l	0.62	--
26.	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	0.32	--

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27.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025(Part-43)-2012	mg/l	<0.005	--
28.	Cadmium as Cd	IS:3025(Part-41)-2012	mg/l	<0.005	2.0
29.	Mercury as Hg	IS:3025(Part-48)-2012	mg/l	<0.001	0.01
30.	Selenium as Se	IS:3025(Part-56)-2012	mg/l	<0.005	--
31.	Arsenic as As	IS:3025(Part-37)-2012	mg/l	<0.01	0.2
32.	Cyanide as CN	IS:3025(Part-27)-2012	mg/l	<0.01	--
33.	Lead as Pb	IS:3025(Part-47)-2012	mg/l	<0.01	2.0
34.	Zinc as Zn	IS:3025(Part-49)-2012	mg/l	0.6	--
35.	Hexavalent Chromium as Cr ⁺⁶	IS:3025(Part-38)-1964	mg/l	<0.001	1.0
36.	Boron as B	IS:3025(Part-57)-2012	mg/l	0.014	--
37.	Silica as SiO ₂	---	mg/l	20.6	--

IS-Indian Standard, APHA-American Public Health Association.

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TEST REPORT

ISSUED TO:

M/s. Sembcorp Energy India Limited, Project-2
(2x660 MW Coal Based Thermal Power Plant),
Near Ananthavaram (V), Thotapalli Gudur (M),
SPSR Nellore (Dist.)- 524344.

Issue Date: 22.09.2021

Sample Registration No: 8020/09/21-002	
Date of Sampling: 16.09.2021	
Analysis Starting Date: 17.09.2021	Analysis Completed Date: 22.09.2021
Sample Description	
Discipline: Chemical	
Group: Water	
Sample Particulars: Marine Outfall Water	
Sample Collected By: (Mr. Sridhar)	Lab Ref: CL/W/8020/09/21-002/21

TEST RESULTS

S. No	TEST PARAMETERS	TEST METHOD	UNITS	RESULTS	STANDARD
1.	pH	IS:3025(Part-11)1983	---	7.9	6.5-9.0
2.	Temperature Intake	---	°C	31.0	Shall not exceed 5°C above the Receiving temperature
3.	Temperature Out Fall	--		33.6	
4.	Electric Conductivity	IS:3025:1964	µs/cm	43290	--
5.	Total Dissolved Solids	IS:3025(Part-15)1984	mg/l	26840	--
6.	Total Suspended Solids	IS:3025(Part-15)1984	mg/l	78	100
7.	Chemical oxygen demand	APHA-5220B	mg/l	80	<250
8.	Biochemical oxygen demand (3 days at 27°C)	IS:3025(Part-44)-1993	mg/l	20	<100
9.	Oil & Grease	IS:3025(Part-39)-1991	mg/l	<1.0	20
10.	Total Hardness as CaCO ₃	IS:3025(Part-21)-2012	mg/l	5580	--
11.	Total Alkalinity as CaCO ₃	IS:3025(Part-23)-2012	mg/l	700	--
12.	P- Alkalinity as CaCO ₃	IS:3025(Part-13)-1964	mg/l	Nil	--
13.	Turbidity	IS:3025(Part-10)-2012	NTU	3.2	--
14.	Calcium as Ca	IS:3025(Part-40)-2012	mg/l	1803	--
15.	Magnesium as Mg	IS:3025(Part-46)-2012	mg/l	262.6	--
16.	Sodium as Na	IS:3025(Part-45)1993	mg/l	5420	--
17.	Potassium as K	IS:3025(Part-45)1993	mg/l	206	--
18.	Chloride as Cl	IS:3025(Part-32)-2012	mg/l	17549	--
19.	Sulphates as SO ₄	IS:3025(Part-24)-2012	mg/l	896	--

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20.	Nitrates as NO ₃	IS:3025(Part-34)-2012	mg/l	20.8	--
21.	Carbonates as CO ₃	IS:3025 1964	mg/l	Nil	--
22.	Bio Carbonates as HCO ₃	IS:3025 1964	mg/l	526	--
23.	Iron as Fe	IS:3025(Part-53)-2012	mg/l	2.8	--
24.	Flouride as F	IS:3025(Part-60)-2012	mg/l	1.6	--
25.	Copper as Cu	IS:3025(Part-42)-2012	mg/l	0.66	--
26.	Manganese as Mn	IS:3025(Part-59)-2012	mg/l	0.24	--
27.	Phenolic Compounds as C ₆ H ₅ OH	IS:3025(Part-43)-2012	mg/l	<0.005	--
28.	Cadmium as Cd	IS:3025(Part-41)-2012	mg/l	<0.005	2.0
29.	Mercury as Hg	IS:3025(Part-48)-2012	mg/l	<0.001	0.01
30.	Selenium as Se	IS:3025(Part-56)-2012	mg/l	<0.005	--
31.	Arsenic as As	IS:3025(Part-37)-2012	mg/l	<0.01	0.2
32.	Cyanide as CN	IS:3025(Part-27)-2012	mg/l	<0.01	--
33.	Lead as Pb	IS:3025(Part-47)-2012	mg/l	<0.01	2.0
34.	Zinc as Zn	IS:3025(Part-49)-2012	mg/l	0.42	--
35.	Hexavalent Chromium as Cr ⁺⁶	IS:3025(Part-38)-1964	mg/l	<0.001	1.0
36.	Boron as B	IS:3025(Part-57)-2012	mg/l	0.012	--
37.	Silica as SiO ₂	---	mg/l	32.8	--

IS-Indian Standard, APHA-American Public Health Association.

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ANNEXURE- II


Annexure - II

**POINT WISE COMPLIANCE STATUS TO CONDITIONS STIPULATED BY STATE LEVEL
COASTAL MANAGEMENT AUTHORITY COMMITTEE – 15.10.2013**

1.	The proposed pipeline shall conform to the norms prescribed in the CRZ Notification issued by the Ministry of Environment and Forests, Government of India S. O. No. 19 (E), dated 06.01.2011.	Complied.
2.	No activity on the ground shall be undertaken without obtaining Environmental clearance from the Ministry of Environment and Forests, Government of India S. O. No. 19 (E), dated 06.01.2011 and the amendments thereof.	Complied.
3.	The proposed pipeline shall be aligned in such a way to provide free movement of Water transport systems in Buckingham Canal. There shall not be any obstruction of hot water.	Complied.
4.	There shall be minimum disturbance to sand dunes and other vegetation due to establishment of corridor of the proposed pipe lines for intake of sea water and outfall of hot water.	Complied. Intake water & outfall pipe lines are installed with a minimum disturbance to existing sand dunes and other vegetation.
5.	Velocity cap and bar screen shall be used in the intake structure to prevent the entry of large fish into intake water system.	Complied. Velocity cap and bar screen provided at sea water intake. 
6.	Marker buyo and light indicators shall be established close to the intake and outfall points to avoid fishing net damage.	Complied. 8 nos. marker buyos with solar lanterns installed in Intake and in outfall. 
7.	Residual chlorine in the return water shall be kept at a very low concentration at discharge point.	Complied. Marine Outfall water analysis is carried out by MoEF & CC approved third party agency. Reports are attached – Annexure I.

Annexure - II

**POINT WISE COMPLIANCE STATUS TO CONDITIONS STIPULATED BY STATE LEVEL
COASTAL MANAGEMENT AUTHORITY COMMITTEE – 15.10.2013**

8.	Additional diffusers shall be installed to enhance the dispersion of the hot water to facilitate the dissipation of temperature.	Complied. 27 Nos. of diffusers installed. 
9.	Intake structures shall be designed to withstand high wind velocities and cyclonic conditions.	Complied.
10.	Regular monitoring of water quality at bottom and surface shall be carried out for pH, TSM, Salinity, DO, BOD, dissolved phosphate, nitrate, ammonia and PHC.	Complied. Marine Outfall water analysis is carried out by MoEF & CC approved third party agency. Reports are attached – Annexure I.
11.	Inter-tidal region shall be analysed for texture, phosphorous, chromium, nickel, copper, cadmium, lead, mercury and PHC.	Complied. Marine Outfall water analysis is carried out by MoEF & CC approved third party agency. Reports are attached – Annexure I.
12.	Biological characteristics shall be assessed based on primary productivity, phytopigments, phytoplankton populations and their genetic diversity, biomass, population and community diversity of benthos, fisheries composition and density as well as species diversity.	Complied. Marine impact studies (including biological characteristics) are conducted before commissioning of the plant.
13.	Regular (seasonal) monitoring of temperature in a radius of 1 Km from the outfall to take mitigation measures.	Complied.
14.	Regular checking of pipe line for its safety shall be undertaken.	Complied. Checking is carried out once in a month and ensured safety of the pipe line.

Annexure - II

**POINT WISE COMPLIANCE STATUS TO CONDITIONS STIPULATED BY STATE LEVEL
COASTAL MANAGEMENT AUTHORITY COMMITTEE – 15.10.2013**

15.	The ash generated shall be utilized as per the norms stipulated in Fly Ash Notification dated 14-09-1999.	<p align="center">Complied.</p> SEIL Project 2 (formerly known as Sembcorp Gayatri Power Limited – SGPL) Ash Utilization Status: 1st Year - 53% (Target for first year operation was 50%) 2nd Year – 82% (Target for second year operation was 70%) SEIL Project 2 would like to reiterate its commitment & assures that we are making best efforts in achieving 100% ash utilization. We will endeavour for 100% fly ash utilization as per the MoEF notified guidelines by the end of 4th year of operation as per the guidelines stipulated in the fly ash notification. (Attached letter submitted to CPCB on ash utilization vide letter no. SEIL Project 2/CPCB/ 2019/79 dated 23 rd April, 2019 as Annexure – III)
16.	Environmental Audit shall be taken-up periodically by the independent agency and submit the report to the Regulatory agencies.	<p align="center">Complied.</p> Environmental audits & inspections are conducted by independent third party (MoEF & CC approved agency) for stack & effluents. Reports are submitted to MoEF & CC / CPCB / APPCB. Recent copies of stack emissions & effluent monitoring reports attached as Annexure-IV.
17.	Epidemiological studies shall be taken-up to determine the existing conditions and form the baseline data. The data shall be used to determine the impacts after commissioning the plant.	<p align="center">Complied.</p> Marine impact studies are conducted before commissioning of the plant.

Annexure - II

**POINT WISE COMPLIANCE STATUS TO CONDITIONS STIPULATED BY STATE LEVEL
COASTAL MANAGEMENT AUTHORITY COMMITTEE – 15.10.2013**

Complied.

An area of 315 acres green belt / green cover is developed to improve aesthetics, control of dust and noise pollution.

Peripheral planting along inside of the compound wall has been taken up with 3 tiers of plantations and completed for 2 km length.



18. Green belt shall be developed in consultation with Forest Department to serve as wind breaks and for abating Carbon-di-oxide pollution.

Scientific methods are adopted for raising and maintenance of Green belt like establishment of mist chamber, drip & sprinkler system, vermin compost production & application of bio pesticides. Local people of the surrounding villages are engaged for plantation activities.

Annexure - II

**POINT WISE COMPLIANCE STATUS TO CONDITIONS STIPULATED BY STATE LEVEL
COASTAL MANAGEMENT AUTHORITY COMMITTEE – 15.10.2013**

19.	The firm shall submit the detailed drawings of pipeline along with location map to the scale, duly marking the path of the proposed pipeline in the CRZ Map. Necessary details pertaining to excavation through various zones and other relevant information shall be furnished before commissioning of pipeline. Half yearly monitoring reports shall be furnished regularly.	Complied. CRZ Compliance half yearly compliance report [April'8 to Sept'18] submitted to MoEF & CC, APPCB vide letter ref. no. SEIL Project 2/MoEF/Chennai/CRZ/66 Dtd. 13 th Dec'2018.
20.	The firm shall incorporate plans for protection of ecology in the Environment Management Plan for implementation after approval from the competent authority. All precautionary measures needed to maintain the fragile ecology of coastal zone and surroundings shall be incorporated in Environment Management Plan.	Complied. All precautionary measures to protect the ecology & environment are implemented.
21.	Full cooperation shall be extended to all inspecting authorities / organizations such as APPCB, MoEF, CPCB and local Environment Protection Organizations.	Complied.