



SVCTPL/ EQ-1A/2016/Enng/380

Date: 18th February'2016

To,  
The Director (S)  
MoEF  
KendriyaSadan, 4<sup>th</sup> Floor,  
E&F Wings, 17<sup>th</sup> Main Road,  
Koramangala II Block,  
Bangalore – 560034  
Email: rosz.bng-mef@nic.in

**Project:- Development of East Quay – 1A (EQ-1A) berth on south side of EQ-1 berth for handling Thermal Coal and Steam Coal in the inner harbour of Visakhapatnam Port on Design Build, Finance, Operate and Transfer (DBFOT) basis.**

**Subject: Half yearly Compliance report on Environment and CRZ Clearance for the period from July-2015 to December-2015.**

Dear Sir,

With reference to the above captioned subject, we are submitting half yearly Compliance report on Environment and CRZ Clearance for the period from July-2015 to December-2015 along with all supporting documents and soft copies in CD.

Thanking you & with regards,

For On behalf of

A handwritten signature in blue ink, appearing to be 'P. Anup Kumar', written over a horizontal line.

**SEW Vizag Coal Terminal Private Limited  
(P. ANUP KUMAR)  
ASSOCIATE VICE PRESIDENT  
AUTHORIZED SIGNATORY**

**Encl: 1) All documents 2) Softy Copies-CD**

**Cc to 1) Additional Principal Chief Conservator of Forests (C)  
Ministry of Environment, Forest and Climate Change,  
Regional Office (SEZ), 1<sup>st</sup> and 2<sup>nd</sup> Floor, Handloom Export Promotion Council,  
34, Cathedral Garden Road, Nungambakkam,  
Chennai - 34, Email: [roefccc@gmail.com](mailto:roefccc@gmail.com)**

Regd. Office :

6-3-871, 'Snehhalata', Greenlands Road, Begumpet, Hyderabad 500 016, A.P. India  
Tel +91.40.663.000 00 Fax +91.40 .663.000 01  
[www.sewinfraststructure.com](http://www.sewinfraststructure.com)

Cont....2



2) The Director,  
Ministry of Environment, Forest and Climate Change,  
Indira Parvayaran Bhawan,  
Jor Bagh, New Delhi-110003

3) The Regional Officer,  
Central Pollution Control Board  
1st & 2nd Floors, Nisarga Bhavan  
A-Block, Thimmaiah Main Road  
7th D Cross, Shivanagar, Opp.  
Pushpanjali Theatre, Bengaluru -560 010

4) Member Secretary  
Andhra Pradesh Pollution Control Board  
Payavaran Bhawan, A-III, Industrial Estate, Sanath Nagar  
Hyderabad - A.P.

5) Chief Engineer,  
Visakhapatnam Port Trust,  
Visakhapatnam- 530035.



# SEW VIZAG COAL TERMINAL PVT.LTD

Development of East Quay-1A(EQ-1A) Berth Facilities at inner harbor of Visakhapatnam Port

DATE  
July -2015  
to  
December-2015

Status of conditions stipulated in Environmental and CRZ clearance.

Half yearly Compliance report for Environment and CRZ Clearance for development of East quay -1A (EQ-1A)

S.No.	MoEF Stipulations	Compliance to MoEF Stipulations
<b>7.</b>	<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.	Consent For Establishment (CFE) obtained from APPCB dated 12.04.2012, Wide order no.: 274/PCB/CFE/RO-VSP/HO/2012-206. The same is submitted to VPT wide letter no: SEW/EQ-1A/2012/Enng/059 (Copy attached)
(ii)	Continuous monitoring of ambient air quality (as per notified standards) shall be carried out and conditions records maintained. Based on the monitoring data, necessary corrective measures as may be required from time to time shall be taken to ensure that the levels are within permissible limits. The results office of monitoring of MoEF at Bengaluru regularly. Besides, the result of monitoring will also be put up on the website of the company in the public domain.	Ambient Air Monitoring is conducted as per NAAQM Standards. All parameters of AAQM are found well within the limits. The six month monitoring reports from <b>July-2015 to December-2015</b> are enclosed as <b>Annexure-1</b>
(iii)	The six monthly monitoring reports as well as the monitoring data on various parameters as stipulated in the clearance conditions shall be put on the website of the company and also regularly updated. The monitored data shall also be submitted to respective Andhra Pradesh Control Board and the Regional Office of MoEF at Bengaluru.	Ambient Air Monitoring is conducted as per NAAQM Standards. All parameters of AAQM are found well within the limits. The six monthly monitoring reports from <b>July-2015 to December-2015</b> are enclosed as <b>Annexure-1</b> Same will be submitted to Andhra Pradesh Pollution Control Board and the Regional Office of MoEF at Chennai.
(iv)	The ambient air quality data shall be displayed in public domain at some prominent place near the main gate of the Port and updated in real time.	VPT scope



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S.No.	MoEF Stipulations	Compliance to MoEF Stipulations
(v)	All handling/ loading/ unloading shall be through enclosed conveyors.	Presently Project is in construction stage. However coal handling conveyors will be provided with mountable covers
(vi)	The CEIA report appears pertaining to EQ 1 and 1A on individual basis. The cumulative effect of all the berths which are already operating shall be taken into account and a report on exiting status vs the future status of environment due to the additional development and the mitigation measures thereof-particularly because the cargo is coal-a dusty cargo shall be submitted to the Ministry.	VPT scope: VPT has engaged Jawaharlal Nehru Technological University, Kakinada, Andhra Pradesh for conducting the cumulative environmental impacts assessment study wide ref. letter no: IENG/EE(ENV)/JNTU/30-PT-I/47 dated: 16/02/2015.
(vii)	The report was silent on impacts during construction stage. Necessary measures shall be undertaken to mitigate the impacts during the construction phase.	Mitigation measures to control pollution during construction phase shall be followed. Water sprinkling tankers provided during construction stage.
(viii)	SPM level is reported to be on the higher side (GOAP letter dated 2/2/11). Necessary mitigation measures shall be implemented.	To reduce the SPM level in operation phase M/s. SVCTPL will install water sprinklers at stockyard. Water spray nozzles in various discharge points and Dry fog dust suppression system & water nozzles at all transfer points will be provided
(ix)	Water sprinkling shall be provided at all transfer points/ storage yard.	In operation phase
(x)	Spillage/ leachate shall be treated for removal of heavy metals if any and the sludge shall be disposed to the authorized TSDF.	The sludge will be disposed-off by authorized TSDF only in operation phase. Construction waste being disposed at designated area which was provided by VPT.
(xi)	All the recommendation of the EIA, EMP shall be put in place.	All recommendation of EIA, EMP is being implemented



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S.No.	MoEF Stipulations	Compliance to MoEF Stipulations
xii	There shall be no transport of coal/ cargo through roads.	In Operation phase.
xiii	Oil spills if any shall be properly collected and disposed as per the rules	In Operation phase.
xiv	Lay out plan showing the existing coal stockyard, which will be discontinued after modernization and one stack-yard which will be in use, shall be submitted	Attached.
xv	Proponent shall explore providing screw conveyor system/ any other suitable mechanism for transportation of coal from ship to belt conveyor in – place of grab loader and shall submit to MoEF and to SPCB to minimize the fugitive dust emissions at the time of ship loading.	M/s. SVCTPL will adopt advance mechanized coal handling facility for transportation of coal to minimize the fugitive emissions.
xvi	The coal storage shall be in enclosed to minimize the fugitive emissions and the drawings shall be submitted to MoEF and to SPCB.” <b>As amended on 19/10/2011</b>	Complying.
xvii	Treated sewage shall be used for dust suppressions.	Treated STP water will be used from VPT STP Plant for Dust suppression system
xviii	Continuous AAQM for PM 2.5 at one location shall be provided in consultation with local SPCB.	M/s. SVCTPL is monitoring AAQ at Project area and results are enclosed in <b>Annexure-1</b>
xix	The project shall be implemented in such a manner that there is no damage whatsoever to the mangroves/other sensitive coastal ecosystems.	The Proposed Project area is within the Port limit of VPT and there are no mangroves/other sensitive coastal ecosystems in the project area
xx	There shall be no withdrawal of ground water in CRZ area, for this project.	No ground water is being used.
xxi	The project shall be executed in such a manner that there shall not be any disturbance to the fishing activity.	The Proposed Project area is within the Port limit of VPT and there is no fishing activity in the project area



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xxii	It shall be ensured that there is no displacement of people houses or fishing activity as a result of the project.	As this is an existing port, there is no displacement of people
xxiii	No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	All the activities carrying are permitted in the CRZ notification and construction activities area in progress.
xiv	The project proponent shall set separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	M/s SVCTPL has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan.
xxv	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purpose.	Separate budget for the Environment management is in place.
<b>8.</b>	<b>General Conditions</b>	
i	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Project in Construction Stage.
ii	Full support shall be extended to the officers of this Ministry/ Regional Office at Bangaluru 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.	Complying.
iii	A six-Monthly monitoring report shall need to be submitted by the project proponent to the Regional Office of this Ministry at Bangaluru regarding the implementation of the stipulated conditions.	Complying.



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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.
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.
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 and Forests.	Noted.
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.	Financial Closure for the project is done on 24 <sup>th</sup> October'2012. Land development work was started and is in progress.
viii	A copy of the clearance letter shall be marked to concerned Panchayat/ local NGO, if any, from whom an suggestion/ representation has been made received while processing the proposal.	VPT scope.
ix	Andhra Pradesh 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.	VPT scope.



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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 Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Noted.
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 <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 Bangaluru.	VPT scope.
12	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.	Noted.






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13	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in the website.	Noted. Soft and Hard copies of reports will submit to the respective offices.
14	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/ Municipal Corporation, Urban Local Body and the Location 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.	VPT scope.
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 Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Noted. Soft and Hard copies of reports will submit to the respective offices.
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 Environmental 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.	Noted.

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### **Annexure -1 Environment Monitoring Reports**

#### I. Ambient Air Monitoring Reports

Location: Project Area

Date of Sampling	RESULTS											
	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>x</sub> µg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	Pb µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	C <sub>6</sub> H <sub>6</sub> µg/m <sup>3</sup>	BaP µg/m <sup>3</sup>	As µg/m <sup>3</sup>	Ni µg/m <sup>3</sup>
03.07.2015	66.8	28.4	11.6	14.1	9.0	BDL	0.10	2.5	BDL	BDL	BDL	BDL
07.07.2015	68.1	32.6	13.8	15.2	7.9	BDL	0.13	3.7	BDL	BDL	BDL	BDL
10.07.2015	68.1	27.9	13.1	15.2	7.4	BDL	0.06	2.3	BDL	BDL	BDL	BDL
14.07.2015	73.1	32.3	14.9	17.3	8.3	BDL	0.14	5.2	BDL	BDL	BDL	BDL
17.07.2015	68.5	29.2	14.0	15.1	9.0	BDL	0.11	3.3	BDL	BDL	BDL	BDL
21.07.2015	69.2	30.1	15.6	15.2	6.9	BDL	0.11	2.9	BDL	BDL	BDL	BDL
24.07.2015	68.2	28.0	14.8	15.6	9.1	BDL	0.28	5.0	BDL	BDL	BDL	BDL
28.07.2015	71.6	29.4	14.0	14.8	8.4	BDL	0.18	3.3	BDL	BDL	BDL	BDL
04.08.2015	65.5	27.2	12.5	15.6	9.2	BDL	0.14	2.8	BDL	BDL	BDL	BDL
07.08.2015	67.2	31.0	13.4	15.8	8.3	BDL	0.15	3.2	BDL	BDL	BDL	BDL
11.08.2015	64.9	27.3	12.5	14.9	7.2	BDL	0.08	2.1	BDL	BDL	BDL	BDL
14.08.2015	70.8	33.5	14.4	16.6	8.2	BDL	0.15	4.6	BDL	BDL	BDL	BDL
18.08.2015	65.7	28.5	14.5	16.3	8.8	BDL	0.15	3.4	BDL	BDL	BDL	BDL
21.08.2015	64.5	28.5	15.0	16.3	6.4	BDL	0.16	2.6	BDL	BDL	BDL	BDL
25.08.2015	63.6	24.6	14.2	15.9	8.5	BDL	0.25	5.4	BDL	BDL	BDL	BDL
28.08.2015	73.6	30.2	13.2	15.4	8.7	BDL	0.15	3.5	BDL	BDL	BDL	BDL
01.09.2015	64.8	26.5	12.7	14.3	9.0	BDL	0.15	2.30	BDL	BDL	BDL	BDL
04.09.2015	65.6	30.0	13.7	15.8	8.0	BDL	0.10	3.5	BDL	BDL	BDL	BDL
08.09.2015	67.4	26.9	12.4	14.7	7.0	BDL	0.06	2.0	BDL	BDL	BDL	BDL
11.09.2015	72.6	31.2	14.8	16.9	7.5	BDL	0.10	4.8	BDL	BDL	BDL	BDL
15.09.2015	64.2	26.0	14.2	16.8	8.6	BDL	0.20	3.6	BDL	BDL	BDL	BDL
18.09.2015	67.2	27.3	14.2	16.0	6.9	BDL	0.25	2.9	BDL	BDL	BDL	BDL
22.09.2015	69.5	26.7	14.5	16.6	9.8	BDL	0.20	6.2	BDL	BDL	BDL	BDL
25.09.2015	69.8	28.7	12.4	15.8	8.3	BDL	0.10	3.3	BDL	BDL	BDL	BDL
29.09.2015	71.8	29.6	13.5	15.8	9.0	BDL	0.25	3.6	BDL	BDL	BDL	BDL




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Date of Sampling	RESULTS											
	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>x</sub> µg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	Pb µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	C <sub>6</sub> H <sub>6</sub> µg/m <sup>3</sup>	BaP µg/m <sup>3</sup>	As µg/m <sup>3</sup>	Ni µg/m <sup>3</sup>
02.10.2015	63.7	24.2	12.5	14.2	8.5	BDL	0.14	2.45	BDL	BDL	BDL	BDL
06.10.2015	62.7	29.5	13.3	15.4	8.2	BDL	0.15	3.2	BDL	BDL	BDL	BDL
09.10.2015	68.7	29.5	13.6	14.5	7.9	BDL	0.05	2.3	BDL	BDL	BDL	BDL
13.10.2015	75.8	32.6	14.4	16.3	7.8	BDL	0.14	4.9	BDL	BDL	BDL	BDL
16.10.2015	66.8	27.5	14.5	16.3	8.4	BDL	0.24	3.8	BDL	BDL	BDL	BDL
20.10.2015	70.6	29.6	15.5	16.4	7.5	BDL	0.20	3.2	BDL	BDL	BDL	BDL
23.10.2015	66.3	27.2	14.2	15.4	8.8	BDL	0.25	6.5	BDL	BDL	BDL	BDL
26.10.2015	66.6	26.5	12.2	15.5	8.7	BDL	0.15	3.0	BDL	BDL	BDL	BDL
30.10.2015	70.3	28.9	13.2	15.5	8.6	BDL	0.23	3.4	BDL	BDL	BDL	BDL
03.11.2015	65.4	24.6	12.3	14.8	8.7	BDL	0.15	2.30	BDL	BDL	BDL	BDL
06.11.2015	68.6	28.9	13.1	15.7	8.4	BDL	0.12	3.7	BDL	BDL	BDL	BDL
10.11.2015	71.6	30.8	13.2	14.8	7.3	BDL	0.08	2.5	BDL	BDL	BDL	BDL
13.11.2015	66.3	24.5	14.8	15.4	8.3	BDL	0.12	4.4	BDL	BDL	BDL	BDL
17.11.2015	63.8	26.2	14.2	16.9	8.2	BDL	0.20	3.5	BDL	BDL	BDL	BDL
20.11.2015	68.5	27.4	14.6	15.7	7.2	BDL	0.15	3.0	BDL	BDL	BDL	BDL
24.11.2015	67.8	28.4	14.3	15.7	8.6	BDL	0.18	7.2	BDL	BDL	BDL	BDL
27.11.2015	67.5	25.8	13.7	15.4	8.6	BDL	0.17	2.5	BDL	BDL	BDL	BDL
01.12.2015	64.1	23.4	13.9	15.4	9.1	BDL	0.21	2.45	BDL	BDL	BDL	BDL
04.12.2015	67.2	27.0	12.5	14.3	8.0	BDL	0.10	4.1	BDL	BDL	BDL	BDL
08.12.2015	73.5	32.8	14.5	15.9	8.2	BDL	0.09	2.9	BDL	BDL	BDL	BDL
11.12.2015	67.2	25.6	15.8	16.5	9.5	BDL	0.18	4.9	BDL	BDL	BDL	BDL
15.12.2015	62.4	25.1	15.0	17.4	8.8	BDL	0.26	3.9	BDL	BDL	BDL	BDL
18.12.2015	69.7	28.3	15.4	16.3	7.9	BDL	0.21	3.6	BDL	BDL	BDL	BDL
22.12.2015	64.6	25.4	13.6	14.4	8.0	BDL	0.13	6.7	BDL	BDL	BDL	BDL
25.12.2015	69.5	26.3	14.8	16.6	9.2	BDL	0.22	3.1	BDL	BDL	BDL	BDL
29.12.2015	71.4	27.2	15.3	17.2	10.3	BDL	0.31	3.6	BDL	BDL	BDL	BDL

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## II. Stack Monitoring Reports

Location: Batching Plant (125 KVA GENERATOR CHIMENY)

Date of Sampling	STACK DETAILS-RESULTS								EMISSION DATA-RESULTS		
	Pitot Coefficient	Sp. Gravity of Fluid	Temperature @DGM	Stack Temperature	Nozzle diameter	Flue Gas Velocity	Duration of sampling	Fuel Used	SPM	Sulphur Dioxide SO <sub>2</sub>	Oxides of Nitrogen NO <sub>x</sub>
Unit	-	-	°c	°c	mm	m/sec	minutes	-	mg/nm <sup>3</sup>	mg/nm <sup>3</sup>	mg/nm <sup>3</sup>
11.07.2015	0.87	0.83	34	162	10	13.3	30	Diesel	64.9	36.8	31.10
05.08.2015	0.87	1.0	33	166	10	13.8	30	Diesel	62.5	37.4	30.50
25.09.2015	0.87	1.0	34	168	10	13.5	30	Diesel	60.7	38.6	30.2
20.10.2015	0.87	1.0	35	172	10	13.8	30	Diesel	62.3	37.4	29.8
24.11.2015	0.87	1.0	37	178	10	13.5	30	Diesel	64.8	35.9	28.5
16.12.2015	0.87	1.0	33	173	10	12.9	30	Diesel	63.1	34.2	27.4

## III. Noise Monitoring Reports

Location: Project Area

SL.NO	MONTH & YEAR	Date of Sampling	Day Time dB(A)	Night Time dB(A)
1	July-2015	11.07.2015	71.1	65.0
2	August -2015	05.08.2015	72.6	66.7
3	September-2015	25.09.2015	73.8	67.6
4	October - 2015	20.10.2015	73.5	65.8
5	November -2015	24.11.2015	72.7	66.3
6	December-2015	16.12.2015	72.2	68.6

Location: Batching Plant

SL.NO	MONTH & YEAR	Date of Sampling	Day Time dB(A)	Night Time dB(A)
1	July-2015	11.07.2015	70.6	64.9
2	August -2015	05.08.2015	71.2	64.2
3	September-2015	25.09.2015	70.3	63.7
4	October - 2015	20.10.2015	69.6	62.4
5	November -2015	24.11.2015	68.5	61.8
6	December-2015	16.12.2015	65.4	63.4