

3/11/EMP/CE(C)/2012-13/TS

16.01.2020

To:

The Director(S),
Ministry of Environment & Forests,
Regional Office (South Zone), 4th Floor, E&F Wings,
KendriyaSadan, 17th Main Road, II Block,
Koramangala,
BANGALORE – 560 034.

Kind Attn: DR .E. Thirunavukkarasu, Scientist 'E'.

Sir,

Sub: Submission of half yearly Compliance report from April-2019 to September 2019 -Environmental Clearance issued by the Ministry of Environment Forests & Climate-intimation regarding-reg
Ref: Your Letter No. EP/12.1/2011-12/14/Kar 619, Dated 08.08.2018

With reference to the subject cited above, please find enclosed here with the revised half yearly Compliance report on stipulated environmental clearance terms and conditions along with tabulated test results on Air samples, Drinking water samples, Waste Water (STP), Noise level ,DG stack emission and also the details on land balance, water balance, Solar power generation , Port reception facility, Solid waste Management and Environmental CSR Activities for the period from April-2019 to September- 2019 for information.

The soft copy of same information would be mailed to rosz.bng-mef@nic.in and roszmon@yahoo.in on 16/01/2020. The half yearly Compliance report from April-2019 to September- 2019 is uploaded in Port website www.newmangaloreport.gov.in

Thanking you,

Yours faithfully,

Encl: As above

Chief Engineer (Civil)

Revised stipulated environmental clearances report as per the Letter No. F.No.11-2/2010-IA.III (Pt.)Dated:-14th December 2016

Sl.No.	Specific Conditions:	Remarks
1	Construction activity shall be carried out strictly according to 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
2	All the recommendations and conditions specified by Karnataka Coastal Zone Management Authority (KCZMA) vide letter no. FEE 580 CRZ 2015 dated 07.01.2016 shall be complied with.	Complied. (Annexure –I)
3	As proposed, a fully mechanised coal unloading system shall be provided for Berth 18. Air pollution control measures to be provided are water sprinklers; closed conveyor, bag filter and mechanised cargo handling.	Complied.
4	Automatic / online monitoring system (24 x 7) monitoring devices for air pollution as well as water pollution in respect of flow measurement and relevant pollutants in the treatment system shall be installed. The data should be made available to the respective SPCB and in the Company's website.	Online monitoring system 24X7 is pending. Flow measurement is installed for relevant Water pollution pollutants in the treatment system.
5	All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.	Implemented
6	All other conditions will remain unchanged.	Accepted

Annexure-I

Berth No. 18 Environment conditions

Sl. No.	Specific Conditions	Remarks
1	“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.	Obtained. Valid up to 5 year from 23/05/2014
2	The authenticate map of the HTL/LTL together with their respective coordinates at discrete intervals shall be submitted so as to identify them later on the ground if and when necessary.	Submitted to MOEF on 08.12.2014
3	The project shall be executed in such a manner that there shall not be any disturbance to the fishing activity.	The Project is taken up within the security compound of the operating Port. Hence the fishing activity is not affected during the course of execution of the project.
4	It shall be ensured that there is no displacement of people, houses or fishing activity as a result of the project.	The Project is taken up within the security compound of the operating Port. Hence there is no displacement of people, houses or fishing activity during the course of execution of the project. Total land of the Port: 2290 acres Total Green belt of the port : 734 acres No vacant land available in the port.
5	No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Constructed as per CRZ II
6	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.	Environmental cell headed by the Environmental Engineer under the supervision of Chief Engineer Civil for effective implementation of the stipulated environmental safeguards has been setup.
7	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	An amount of Rs 50 lakhs towards Firefighting and environmental mitigation measures and Rs 80 lakhs towards Environmental and social concern has been earmarked in the Estimate.

	General conditions	
1	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	The excavated material and the bore muck shall be disposed at designated areas away from the Sea/water bodies. The dredged material has been dumped at the designated dumping ground suggested by the CWPRS. At 4.5 km away from 15.4 mcd contour
2	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.	Full support and cooperation will be extended to the officers of Ministry/Regional Office.
3	A six-monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bangaluru regarding the implementation of the stipulated conditions	Complied Statement of Monitoring report of Air, water, Noise, STP and Stack emission from April 2019 to Sep 2019
4	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.	No additional conditions stipulated
5	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	Complying with all the stipulations
6	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.	Complied
7	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.	Project Completed on 31.08.2016.
8	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.	At the time of construction informed

9	Karnataka Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's office for 30 days.	N.A
10	These stipulations would be enforced among others under the provisions of water (Preservation and Control of Pollution) Act 1974, the Air(Preservation and Control of Pollution) Act, 1981, the Environment (Protection) Act 1986 , the Public liability (Insurance Act,1991 and Ela notification 1994, including the amendments and rules made thereafter.	Complied
11	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.	Obtained
12	The project proponent shall advertise in atleast 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 MOEF at http://www.envfor.nic.in	Paper advertisement was given in Udayavani, Manipal and Deccan Herald, mangalore dated 29.09.2011 .
13	Environmental clearances 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.	Complied
14	Status of Compliance to the various stipulated environmental conditions and environmental safe guards will be uploaded by the project proponent in its website.	Uploaded . www. Newmangalore-port.com
15	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, ZillaParishad/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	At the time of construction issued

	the Proponent.	
16	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall upload the same periodically. It shall stmultaneously be sent to the Reginal office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Uploaded .www. Newmangalore-port.com
17	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 as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Complied Statement of Monitoring report of Air, water, Noise, STP and Stack emission from April 2019 to Sep 2019
18	The environmental statement for each financial year ending 31 st 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 status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Submitted to KSPCB on 11/07/2019 . Soft copy uploaded in the company web site.

TEST REPORT

Name of the Client : **NEW MANGALORE PORT TRUST**
 Address of the Client : **Panambur, Mangalore-575010**
 Sample Description : **Air Pollution**
 Sample Drawn by : **Hubert Enviro Care Systems (P) Ltd.**

AMBIENT AIR MONITORING FOR SIX MONTHS April-2019 to September- 2019

S.No	Locations	PM ₁₀ µg/m ³		PM _{2.5} µg/m ³		SO ₂ µg/m ³		NO ₂ µg/m ³		CO	Pb	O ₃	NH ₃	C ₆ H ₆	B(a)P	As	Ni
		Min	Max	Min	Max	Min	Max	Min	Max	mg/m ³	µg/m ³				ng/m ³		
1	VTMS Port Control	35.2 (Aug 19)	46.1 (June 19)	16.5 (Aug 19)	21.0 (June 19)	4.8 (Aug 19)	8.2 (June 19)	14.7 (June 19)	18.1 (Sept 19)	BDL							
2	I.M.C.	37.8 (Aug 19)	54.2 (May 19)	19.8 (July 19)	27.2 (June 19)	5.5 (May 19)	7.4 (July 19)	16.3 (Aug 19)	19.5 (Sept 19)	BDL							
3	Old Coastal Guard Office	26.1 (Aug 19)	46.1 (May 19)	14.9 (Aug 19)	22.4 (May 19)	4.1 (July 19)	5.3 (Aug 19)	11.6 (Aug 19)	15.2 (June 19)	BDL							
4	Main Gate	34.6 (Aug 19)	49.0 (May 19)	20.1 (Aug 19)	25.5 (June 19)	4.9 (July 19)	7.2 (May 19)	13.4 (Aug 19)	21.6 (May 19)	BDL							
5	NMPT Hospital	30.2 (Aug 19)	45.1 (May 19)	17.0 (Aug 19)	22.4 (July 19)	4.5 (May 19)	7.2 (July 19)	11.0 (Aug 19)	15.7 (May 19)	BDL							
NAAQs (2009)		100*		60*		80*		80*		2**	1*	100**	400*	5**	1**	6*	20***

Note: * : 24 hours average; ** : 8 hours average; *** : Annual average

BDL =Below detection limit; DL - Detection Limit; PM_{2.5}-Particulate matter size less than 2.5 Micron, PM₁₀-Particulate matter size less than 10 Micron; SO₂ Sulphur dioxide; NO₂ - Nitrogen-di-oxide; CO - Carbon Mono Oxide(DL 0.1 mg/m³);O₃-Ozone(DL 10 µg/m³);NH₃-Ammonia (DL 5 µg/m³); Pb-Lead (DL 0.05 µg/m³);As-Arsenic (DL 0.1 ng/m³);Ni-Nickel (DL 0.5 ng/m³); Benzene-(DL 1 µg/m³); B(a)P- Benzo -a-pyrene (DL0.1 ng/m³); ng/m³: nanogram per cubic meter; µg/m³ - microgram per cubic meter

TEST REPORT

Name of the Client : NEW MANGALORE PORT TRUST
Address of the Client : PANAMBUR, MANGALORE-575010
Sample Description : Drinking Water
Sample Drawn By : HECS Pvt. Ltd.

RESULTS OF DRINKING WATER FOR April-2019 to September- 2019 SUMMARY

S. No	Parameters	Units	Results Fifth Avenue Open Well I		Results Thimmappayya Well		Desirable Limit 10500: 2012
			Min.	Max.	Min.	Max.	
1	pH @ 25°C	--	6.82 (May 19)	7.52 (Sept 19)	6.72 (May 19)	7.25 (Aug 19)	6.5 to 8.5
2	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable	Unobjectionable
3	Colour	Hazen	Less than 1	Less than 1	Less than 1	Less than 1	5
4	Turbidity (NTU)	NTU	Less than 0.5	Less than 0.5	Less than 0.5	Less than 0.5	5
5	Conductivity @ 25°C	µs/cm	157 (April 19)	210 (Sept 19)	190 (April 19)	238 (Aug 19)	-
6	Total Hardness as CaCO ₃	mg/l	65 (May 19)	102 (Sept 19)	75 (May 19)	103 (Sept 19)	300 mg/l
7	Total Dissolved Solids	mg/l	87 (April 19)	136 (Sept 19)	106 (April 19)	154 (Aug 19)	500 mg/l
8	Chloride as Cl	mg/l	20 (April 19)	55 (Sept 19)	24 (April 19)	62 (Sept 19)	250 mg/l
9	Sulphate as SO ₄	mg/l	BDL (DL:1.0)	BDL (DL:1.0)	BDL (DL:1.0)	BDL (DL:1.0)	200 mg/l
10	Iron as Fe	mg/l	BDL (DL:0.01)	BDL (DL:0.01)	BDL (DL:0.01)	BDL (DL:0.01)	0.3 mg/l
11	Ammonical Nitrogen as N	mg/l	BDL (DL:1.0)	BDL (DL:1.0)	BDL (DL:1.0)	BDL (DL:1.0)	--
12	Total Phosphate as PO ₄	mg/l	BDL (DL:0.01)	BDL (DL:0.01)	BDL (DL:0.01)	BDL (DL:0.01)	--
13	Bacterial Count	cfu/ml	50 (April, June, July & Sept 19)	55 (Sept 19)	50 (May & July 19)	60 (Sept 19)	----
14	Total Coliform	--	Absent	Absent	Absent	Absent	Nil

Note:-BDL - Below Detection Limit; D.L- Detection Limit; NTU-Nephelometric Turbidity Unit; µs/cm – Micro Siemens per centimeter;

mg/L - Milligrams per Liter; MPN- Most Probable Number; mL-Milliliter

TEST REPORT

Name of the Client : NEW MANGALORE PORT TRUST Page 1 of 1
Address of the Client : PANAMBUR, MANGALORE,
575010.
Sample Description : waste water
Sample Drawn By : HECS Pvt. Ltd.

RESULTS OF STP INLET & OUTLET FOR April-2019 to September- 2019 SUMMARY

SL No	PARAMETERS	UNIT	Sl. No.	TEST PARAMETERS	UF Feed	UF Permeate	UV Outlet	Tolerance Limit set by KSPCB
01	pH at 25°C	--			7.97	8.02	8.11	6.5 to 9.
02	Conductivity @ 25°C	µS/cm	1292.58	1046.33	978.00	945.17	933.75	--
03	Odour	--	Objectionable	Unobjectionable				Unobjectionable
04	Colour	Hazen	36.25	18.83	9.33	Colourless	Colourless	No visible colour
05	Dissolved Oxygen	mg/l	2.87	5.66	5.90	6.09	6.15	Min. of 3
06	Oil & Grease	mg/l	13.67	2.90	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	10.0
07	Sludge Volume Index	mg/l	45.33	-		--	--	--
08	Total Suspended Solids	mg/l	285.00	6.75	4.00	BDL(DL:1.0)	BDL(DL:1.0)	≤ 20.0
09	Total Dissolved Solids	mg/l	769.75	627.75	601.25	557.42	559.17	2100
10	Mixed Liquor Suspended solids	mg/l	283.42	6.67	4.67	BDL(DL:1.0)	--	--
11	Chemical Oxygen Demand	mg/l	282.42	22.00	10.53	8.04	6.33	≤ 50.0
12	BOD (3 days @ 27°C)	mg/l	134.42	4.92	5.98	3.06	2.93	≤ 10.0
13	Ammonical Nitrogen	mg/l	15.33	2.11	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	≤ 5.0
14	Total Nitrogen	mg/l	17.37	2.58	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	≤ 10.0
15	Phenolic Content as C ₆ H ₆ OH	mg/l	BDL (DL:0.0005)	BDL (DL:0.0005)	BDL (DL:0.0005)	BDL (DL:0.0005)	BDL (DL:0.0005)	1.0
16	Faecal Coliform	MPN/100 ml	1600.0	322.5	312.50	178.3	156.7	1000

Note: BDL: Below Detection Limit, **DL:** Detection Limit µs/cm, **µS/cm :** Micro Siemens per Centimeter, **mg/l :** Milligrams per liter, **MPN :** Most Probable Number.

Test Report

Name of the Client : NEW MANGALORE PORT TRUST Page 1 of 1
Address of the Client : PANAMBUR, MANGALORE,
 575010.
Sample Description : Noise
Sample Drawn By : HECS Pvt. Ltd.

Ambient Noise Monitoring For Six Months April-2019 to September- 2019 SUMMARY

Sl. No	Location	Noise Level in dB(A)					
		Day Time			Night Time		
		Min.	Max.	CPCB limit	Min.	Max.	CPCB limit
1	Malya Gate (Main Gate)	54.1 (Aug 19)	58.6 (July 19)	Industrial Area Day Time Avg. 75 dB (A)	51.0 (Aug 19)	53.6 (June 19)	Industrial Area Night Time Avg. 70 dB (A)
2	Wharf Berth (Inside)	57.5 (May 19)	62.4 (April 19)		51.8 (May 19)	57.4 (April 19)	
3	Administrative Office Building	51.8 (Aug 19)	56.0 (April 19)		48.1 (April 19)	50.8 (Sept 19)	
4	J.N.C. Hall in the campus	51.5 (June 19)	54.2 (Aug 19)		46.1 (June 19)	49.6 (April 19)	
5	Wharf Canteen	55.9 (May 19)	59.2 (July 19)		50.5 (June 19)	54.2 (Sept 19)	
6	Container Yard	60.5 (April 19)	65.9 (June 19)		55.8 (Aug 19)	61.4 (June 19)	

TEST REPORT

Name of the Client : NEW MANGALORE PORT TRUST
Address of the Client : Panambur, Mangalore-575010
Sample Description : Stack Emission
Sample Drawn by : Hubert Enviro Care Systems
Equipment Used : Vayubodhan VSS1
Method of Sampling & Analysis: IS 11255:1995 (Methods for Measurement of Emission from Stationary Sources.) **STACK EMISSION MONITORING FOR SIX MONTHS April-2019 to September- 2019 SUMMARY**

SI No	Sampling Location	Suspended Particulate Matter (g/kw-hr)		Sulphur Dioxide as SO ₂ mg/Nm ³		Oxides of Nitrogen as NO _x (g/kw-hr)	
		Min.	Max.	Min.	Max.	Min.	Max.
1	Hospital DG	0.08 (Aug 19)	0.118 (June 19)	BDL	BDL	0.52 (April 19)	0.936 (June 19)
2	Electrical Substation DG-1	0.102 (Sept 19)	0.149 (June 19)	BDL	BDL	1.033 (Sept 19)	1.84 (June 19)
3	Electrical Substation DG-2	0.165 (June 19)	0.171 (July 19)	BDL	BDL	1.906 (July 19)	2.171 (June 19)
4	33 KVA Main Entrance DG-I	0.137 (April 19)	0.185 (July 19)	BDL	BDL	1.157 (April 19)	1.871 (July 19)
5	33 KVA Main Entrance DG-II	0.139 (Aug 19)	0.186 (June 19)	BDL	BDL	1.369 (April 19)	2.04 (July 19)
6	Electrical Substation ADM Building	0.063 (Sept 19)	0.104 (June 19)	BDL	BDL	0.363 (Sept 19)	0.822 (May 19)
7	VTMS DG	0.059 (April 19)	0.09 (June 19)	BDL	BDL	0.481 (Sept 19)	0.724 (Aug 19)
		PM mg/Nm³		SO₂mg/Nm³		NOX(mg/Nm³)	
8	Oil Jetty Pump No-1	31.6 (June 19)	36.3 (April 19)	BDL	BDL	90 (April 19)	113 (July 19)
9	Oil Jetty Pump No-2	25.9 (Sept 19)	31.5 (April 19)	BDL	BDL	81 (May 19)	103 (Aug 19)
10	Oil Jetty Pump No-3	26.5 (May 19)	33.5 (July 19)	BDL	BDL	90 (Aug 19)	113 (Sept 19)
11	Oil Jetty Pump No-4	29.1 (Sept 19)	35.1 (May 19)	BDL	BDL	115 (June 19)	128 (Sept 19)
12	Hydrate Pump	20.8 (May 19)	24.8 (July 19)	BDL	BDL	61 (April 19)	71 (Sept 19)
13	Monitor Pump	24.3 (May 19)	28.0 (June 19)	BDL	BDL	79 (April 19)	91 (July 19)

Details of Land Balance, Water Balance, Solid Waste Management , Slop Oil & Solar Power Plant

I. Land Balance :

Total area of the port : 2290 acres

Green belt Area : 734 acres

Total land used for port activities : 1226 acres

Lagoon area : 330 acres

No vacant land in the port

II. Water Balance.

Domestic use : 2500KL/day from well (from colony and office).

Water harvesting Done in the port area : The catchment areas covering 64,217 Sq.Mtrs.

with a capacity of 1,10,340 CUM of water

1.2 MLD Sewage Treatment Plant : 0.75MLD water is Treated /day and the treated water is used to suppress the dust by mechanised Sprinkling system and Gardening.

III. Disposal of Slop oil And sludge.

Port has stopped direct handing over of the slop oil to recyclers from 10.08.2015.

Port is disposing the Slop oil / Sludge collected in the Slop Reception facility to the authorized Recyclers through MSTC.

IV. Solid Waste Management:

Port is disposing 3T/d solid waste to the Municipal Designated area

V. Solar Power Generation :

Port has installed 5.1 MW Photo Voltaic (PV) Solar Power plant.

Amount spent for environmental measures SUMMARY

Sl. No	Capital Investment	Rs. In lakhs	Recurring	Rs. In Lakhs
1	EMS	6	-	-
2	Plantations and gardens	50	Maintaining of Plants(watering, Manuring).	30
3	Construction of Roads and drains	700	Cleaning of Roads and drains	55
4	Constructions of setting tanks.	20	Maintenance of Settling tanks	3
5	Construction of Slop reception facility	100	Maintenance of slop reception facility	-
6	Construction of STP	100	Maintenance of stp	14
7	Providing Automatic Sprinkling System	36	Maintenance of Automatic Sprinkling System	3

Amount spent for Environment Measure under CSR for the period from April-2019 to September- 2019

- 1.Construction of Toilets in Govt. Schools –15.78 Lakhs
2. Maintenance of toilets- 3.5 lakhs