



Poogajendy Chandrasekaran <ambitiondrives@gmail.com>

Report on Karaikal Port-VIP reference, Feb 15, 2018

4 messages

Kannappan Karunakaran <karunacpcb@gmail.com>

Thu, Feb 15, 2018 at 6:11 PM

To: mschb.cpcb@nic.in, Suneel Dave <sdave.cpcb@gmail.com>, vpyadav10@rediffmail.com

Bcc: ambitiondrives@gmail.com

Sir,

I am directed to submit the copy of the Report on Karaikal Port Investigated during Feb 9-10th, 2018 with reference to the Hon'ble Member of Parliament Dr. K. Gopal MBBS and Direction of the PPCC based on CPCB Recommendations.

With Kind Regards

K.Karunakaran, BE, MSc.,
Central Pollution Control Board,
Ministry of Environment & Forest,
Nisarga Bhawan, Thimmaiah Road,
7th D Cross, Shivanagar,
Bangalore-560 010, Ph: [080-23222539](tel:080-23222539)
Mobile :[9844030141](tel:9844030141)

**Report Karaikal Port-RDs Feb 15, 2018.pdf**

11529K

Kannappan Karunakaran <karunacpcb@gmail.com>

Thu, Feb 15, 2018 at 6:22 PM

To: mschb.cpcb@nic.in, Suneel Dave <sdave.cpcb@gmail.com>, vpyadav10@rediffmail.com, "Dr. Madhusudanan M" <madhu1960@gmail.com>, suresh sathyanarayana <cpcbsuresh@gmail.com>

Bcc: ambitiondrives@gmail.com

Sir,

Pls find annex for above sent report

With Kind Regards,

K.Karunagara

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K.Karunakaran, BE, MSc.,
Central Pollution Control Board,
Ministry of Environment & Forest,
Nisarga Bhawan, Thimmaiah Road,
7th D Cross, Shivanagar,
Bangalore-560 010, Ph: [080-23222539](tel:080-23222539)
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**Annex Karaikal Feb 15, 2018.pdf**

18704K

Poogajendy Chandrasekaran <ambitiondrives@gmail.com>

Mon, Mar 5, 2018 at 12:17 PM

To: natrajan ramesh vijay <evergreen41@rediffmail.com>

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**Report Karaikal Port-RDs Feb 15, 2018.pdf**

11529K

Poogajendy Chandrasekaran <ambitiondrives@gmail.com>

Mon, Mar 5, 2018 at 12:17 PM

To: natrajan ramesh vijay <evergreen41@rediffmail.com>

----- Forwarded message -----

From: "Kannappan Karunakaran" <karunacpcb@gmail.com>

[Quoted text hidden]

**Annex Karaikal Feb 15, 2018.pdf**

18704K



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA

File No. Tech/38/PC-Pondi/RDS/2017-2018

February 15, 2018

To

The Member Secretary
Central Pollution Control Board
Parivesh Bhawan
East Arjun Nagar, Delhi-110 032

Ref:


1. Letter from CPCB, Delhi vide Fl.No.79/UPCD/VIP/Ports/2017-18/6827 dt.31.01.2018 forwarding the copy of the letter of Dr.Priti Singh, Scientist-C, CP Division, MoEF&CC vide No.Q-16015/08/2018-CPA dt January 29, 2018 along with copy of complaint of Hon'ble Member of Parliament Dr. K. Gopal MBBS.
2. Letter from CPCB, Delhi vide B-33014/7/2018/IPC-II/TPP/16794/ Jan-19th, 2018 enclosing the copy of complaint received from Mr. S. Shahul Hameed, Yusufia Nagar, Nagor-611 002

Sub: Report on Coal Deposit Caused by M/s Karaikal Port Private Limited, Karaikal, Puducherry and at Nagor, Nagapatinam Area in Response to Hon'ble Member of Parliament Dr. K. Gopal MBBS

Sir,

With reference to above, the status of air pollution caused by operation of M/s Karaikal Port Private Limited was jointly investigated along with the officials from Puducherry Pollution Control Committee and Tamil Nadu State Pollution Control Board, Nagapattinam, Tamil Nadu during 9-10 February 2018. The status report is submitted for kind perusal and further advice pl.

Yours faithfully


(S. Suresh)
15/2/2018

Regional Director

Encls: As above

क्षेत्रीय निदेशालय (दक्षिण) : निसर्ग भवन, ए-ब्लॉक, प्रथम एवं द्वितीय तल, तिममय्या रोड, 7-डी मैन, शिवनगर, बेंगलूरु - ५६० ०७९.

Regional Directorate (South) : " Nisarga Bhawan ", A-Block, 1st & 2nd Floors, Thimmaiah Road, 7th D - Main, Shivanagar, Bengaluru - 560 079.

दूरभाष / Telephone : 080-23233739, 23233827, 23233996, 23233600, 23232559, 23226002, 23222539, Fax : 080-23234059

ई-मेल / E-mail : cpcbszo@yahoo.com, zobangalore.cpcb@nic.in

प्रधान कार्यालय : परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली- ११० ०३२.

Head Office : Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032.

दूरभाष / Telephone : 011-43102030, Fax : 22305793, 22307078, 22307079, 22301932, 22304948

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Central Pollution Control Board, Regional Directorate (South)

“Nisarga Bhavan”, 1st Floor, Thimmaiah Road,
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Phone: 080-23233739, 080-23233827, Fax: 080-23234059

**Investigation of Public Complaints and Compliance Verification on
Implementation of Directions**

Date of Inspection: Feb 9th-10th2018

| | |
|------------------------|---|
| Name of the facility | M/s Karaikal Port Pvt. Ltd. Keezhavanjore Village, T R Puram, Karaikal-609 606 Puducherry |
| Name of Contact Person | Mr. Prasad Rebala Chief Operating Officer Phone: 09629777501 Mail:Prasad.rebala@karaikalport.com |

A. Background

- | | | |
|---------------|--|--|
| Reference-I | Letter No.Q-16015/08/2018-CPA dt January 29, 2018 from Dr.Priti Singh, Scientist-C, CP Division, MoEF&CC. (Annex-1) | Complaint of Hon’ble Member of Parliament Dr.K.Gopal MBBS forwarded to Member Secretary, CPCB, Delhi for necessary action. |
| Reference-II | Letter from CPCB, Delhi vide Fl.No.79/UPCD/VIP/Ports/2017-18/6827 dt.31.01.2018 and received on Feb 06, 2018enclosing the copy of complaint(Annex-1) | Requesting to carry out joint inspection with reference to the VIP complaintof Hon’ble Member of Parliament Dr.K.Gopal MBBS submitted on behalf of People of Nagapattinam Constituency against environmental violations created by M/s Karaikal Port |
| Reference-III | Letter from CPCB, Delhi vide B-33014/7/2018/IPC-II/TPP/16794/ Jan-19 th , 2018(Annex-2) | Enclosing the copy of complaint received from Mr.S.Shahul Hameed, Yusufia Nagar, Nagor-611 002 |

With reference to above, the Central Pollution Control Board, Regional Directorate has deputed Sh.K.Karunakaran STS along with the officialsof Tamil Nadu Pollution Control Board and Puducherry Pollution Control Committee to jointly investigate the points mentioned in VIPcomplaints andalso to verify the implementation of progress made on the Directions issued by Puducherry Pollution Control Committee on September 4. 2017 &December 29, 2017 (copy of Directions enclosed in Annexure -3) with respect to the recommendations made by Central Pollution Control Board based on the inspections carried out during July 15-17th, 2017

B. Verification of Compliance of Directions Based on CPCB Report

The joint inspection team, Sh.K.Karunakaran STS, CPCB, Bengaluru, Smt.Vijaya Priya, AEE, TNPCB and Sh.Poogajendy JE of PPCC, Karaikal with other field staff carried out inspection during February 9-10, 2018. The team interacted with the official of the Karaikal Port, explained about the depth and seriousness of the complaints and also the large volume of complaints received by TNPCB from the public of Nagapattinam.



- i. The team inspected the campus of Port for verifying the compliance of directions issued by PPCC and progress made on each points.
- ii. Team also travelled all along the road side, Nagor, Nagapattinam and at three Railway Stations (Nagor, Velipalayam and Nagapattinam) and interacted with the officials of Railway Department.
- iii. At the same time, a group of official from PPCC deputed for vehicular survey at the junction point of the road connecting Karaikal Port and Nagapattinam to Karaikal Highway to note down the vehicular moment and to verify, the loaded vehicles are properly covered or uncovered. The survey was carried out on 9.2.2018 from 11.0hrs to 19.0 hrs

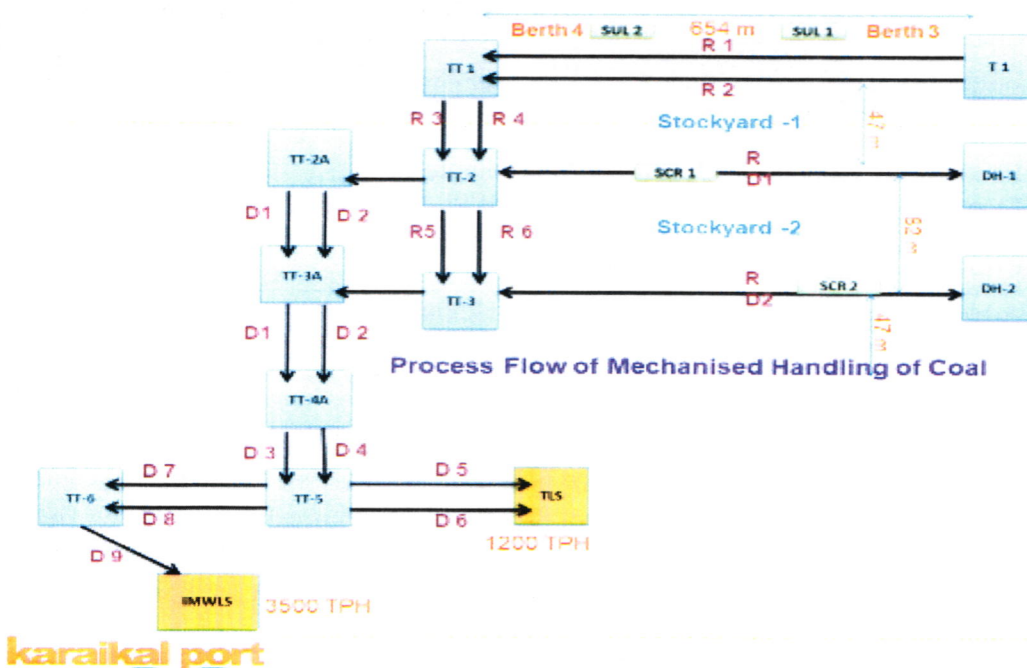
Based on the joint inspection carried out during July 15-17th 2017 by the Central Pollution Control Board, PPCC has issued the direction vide letter no PPCC/DIR/CPCB/COM/TNR/ KKL/JE/2017/764 dt Sept 4th, 2017 to M/s Karaikal Port to comply the points as recommended in its report on or before 15.09.2017 and submit report.

The compliance report submitted by Karaikal Port and the present progress made on were verified and status is as below:

| Direction Points | Detail of Direction issued by PPCC based on the CPCB Inspection | Status of Compliance |
|------------------|---|---|
| 1 & 2 | Erection and Commissioning of Mechanization of Coal Handling System shall be completed on or before 30.04.2018 | Partially Complied 75% of work completed |
| Reply | It is reported that for mechanization activity initiated in the year 2009 and placed a work order in 2010. On completion of partial work, due to non-sanction of enhanced power from Puducherry Electricity Department (PED) and Right of Way (RoW) issues, the equipment could not be tested and development of construction withheld. As the vendors have moved out, the equipment/ components started deteriorating due to prolonged idle conditions. On having negotiation with various vendors by resolving the old and new issues and on obtaining electricity sanction from PED, the project restarted and progress made on the major activities are as follows. | |



| Sl.No. | Major Activities of Mechanization Work | Status of % Completion |
|--------|--|------------------------|
| 1. | The erection work of the two Ship Un Loaders having a capacity of 2000 TPH each (SUL 1 & 2) is partially completed Commissioning yet to be done in integration with Conveyor System. | 80% |
| 2. | The erection of two Stacker Cum Re-claimer (SCR1&2) 4000 /2500 TPH - 2 Nos is completed and testing yet to be done in integration with Conveyor | 90% |
| 3. | The supporting structure is provided for conveyor system (4000TPH) with transfer galleries and firm mounting of supports and conveyer fixing/testing are yet to be done | 65% |
| 4. | For in Motion Wagon Loading System (IMWLS) the Silo(800T) are erected and remaining conveyer structure and connectivity yet to be done | 45% |
| 5. | For Truck loading System (TLS) Silo(200T) are erected and remaining conveyer structure and connectivity yet to be done | 95% |



The overall Mechanizationwork layout is shown below:




The equipment and conveyer system erected in place are photographed and depicted in Annexure-A

| | | |
|---|---|--|
| 3 | The Coal Dust deposited on the Railway Tracks shall be cleaned in co-ordination with Railway Department and shall be reused, on a regular basis | Complied This is ongoing activity to be ensured regularly |
|---|---|--|

| | | |
|--------------|---|---|
| Reply | <p>It is reported that coal dust deposited in the railway track has been cleaned by Karaikal Port during April 17 and May 17</p> <p>Rail way Department has also cleaned the coal dust at Nagor Railway Station and its track on December 2017 and same is confirmed with the officials of Railway department.</p> <p>It is also reported that Southern Railway has posted a Mechanical team to ensure proper closing of wings of bottom opening wagons and to clean on return.</p> | |
| 4 | The existing garland drain around the coal yard shall be properly re-aligned and maintained to properly collect the wash and storm water by gravity for treatment in the existing ETPs | Not Complied |
| Reply | <p>It is reported that tender processing at the rate of Rs.2.8 Crore is on for Realigning and Strengthening of the drain</p> | |
| 5 | Concrete Flooring shall be provided for the entire area at the vehicle parking near the main gate and at the tipper maintenance area to avoid soil dust emissions | Complied |
| Reply |  |  |
| | During last inspection | Present Status |
| | <p>Paver Block Work at Truck Parking Area completed</p> <p>Flooring at Tipper parking area at the cost of Rs.1.2 Cr for levelling, compaction, filling of gravels again compaction are completed(90%). Laying of paver blocks is in progress(5%)</p> | |
| 6 | Adequate vacuum based dust cleaning vehicles shall be engaged for routine cleaning of the Roads and floors inside the premises in and around the Coal storage yards | Not Complied |
| Reply | <p>It is reported that For Vacuum based dust cleaning Ashok Leyland Truck chassis ordered on 10.11.2017 and handed over to M/S TPS Goa for fitting the vacuum-based sweeping machine at the cost of Rs.55 lacs, which is expected to deliver by 25th Feb 2018. It is reported that KPPL has increased the frequency and quality of cleaning through the use of mechanical means and minimized the spillage from Tippers.</p> | |
| 7 | The roads connecting the Nagor Main Road and the Office of the Customs Department shall be cleaned / wiped regularly to ensure no dust is found on the road and generates dust emissions | Partially Complied but regular cleaning to be ensured |

| | | |
|-------|---|---|
| Reply |  <p>Filling of hard soil and hardening is in progress at road side near RTO office 'T' road</p> | |
| 8 | The coal storage area along the Railway sidings shall be provided with hardened / concrete flooring to minimize dust emissions | Partially Complied 80% Completed |
| Reply |  | Loose soil removed from both locations. Back filling with soil completed Compaction and Rolling under progress. Assured to complete all the works by week time |
| 9 | The wagons shall be ensured that, the bottom discharge doors are well closed for further prevention of spillage of Coal on the Railway Tracks | Complied Provided if the heap of the coal loading and proper covering is regularly maintained |
| Reply | KPPL reported that proper closing of bottom opening wagon ensured with Indian Railways and same is verified with the manager of Railway station. Also Efforts made with IL&FS (User) to minimize spillages | |
| 10 | The damaged wind screens shall be immediately replaced or mended from time to time and maintain records of the same. | Not Complied |
| Reply | This is being a continuous activity, replacing and stitching of wind screen is on. However, reported that a work order with the cost of Rs.6.4 Crores has been issued to replace the existing wind screen to 15 mtr height near railway compound wall area by Chinese corrugated mesh type. | |
| 11 | The sprinklers and mistifiers shall be maintained regularly, to ensure effective functioning, at all times | Partially Complied |
| Reply | On verifying the during field visit many of the sprinklers are not spraying effectively which require regular maintenance | |
| 12 | Water usage for wetting of Coal heaps and Roads shall be studied and minimized to avoid water stagnation of waste water in and around the coal yard | Not Complied Not Much progress |

| | | |
|-------|---|---|
| | | is achieved |
| 13 | Water meters shall be installed at intake points for both raw and sea water. The records for the water consumption on daily basis shall be maintained. | Not Complied Assured to complete by April 2018 |
| 14 | All the three Continuous Ambient Air Quality Monitoring Stations shall be connected to the server of CPCB, New Delhi. The real time results of all the stations shall be displayed at the Main gate of the unit. | Partially Complied Assured to complete by April 2018 |
| Reply | It is reported that Continuous Ambient Air Monitoring Stations are already connected to the PPCC servers in Puducherry and also Order at the cost of Rs.9 lacs placed to procure Central Station Software for connecting CPCB Server to M/S Thermofisher. | |
| 15 | The roads inside the premises shall be cleaned, such that, no dust is carried away by the Tyres of the vehicles out of the premises after subjecting the same to Tyre wash, inside the premises | Partially Complied Assured to follow regular cleaning |
| Reply | Manual cleaning by swiping machine is in progress but still dust spread and deposit is found on the roads due more no of vehicle movements and repair work of floor level near railway sidings | |
| 16 | The washing floor of all the ETPs shall be elevated and suitably designed to empty wash water to the collection tanks by gravity and the capacity of collection tanks of all the ETPs shall be enhanced suitably. | Complied |
| Reply | Levelling and concreting work completed curing is in progress. |  |
| 17 | The Plastic waste generated from the unit shall be handed over only to authorized agencies to ensure proper storage and treatment | Not Complied Giving to local party who is storing near Vanjur Village and found not properly maintained |
| 18 | The unit shall device a mechanism to showcase to the public about the pollution control measures adopted to minimize the coal dust emissions | Partially Complied This is a regular progress |
| Reply | It is informed that mechanism to spread awareness about the Port operations and the measures adopted to minimize coal dust emissions by way of articles in the Newspapers etc. Visits by School and College Children shall be made. | |
| 20 | The unit shall submit a report to this Committee, on the wastes generated from the unit, along with their quantities and the mode of disposal with specific details on or before | Complied |

| | | |
|--------------|--|--|
| | 15.09.2017 | |
| Reply | It is reported that the Hazardous Waste, E Wastes and the Solid Wastes are disposed to the authorised agencies | |

It is verified that out of 20 points of directions, five points (3, 5,9,16&20) are complied, five points are not complied and 9 points are partially complied for which Karaikal port assured to complete all by April 2018.

C. Verification Against Points of Directions Based on PPCC Inspection

It has been informed that the team of officials headed by the Chairman, PPCC had visited M/s Karaikal Port on 07.12.2017 to verify the progress made on the points of directions issued. (Copy of the report is enclosed in Anex-4). On observing the progress made, Chairman PPCC again emphasized to complete the mechanization work of coal handling system before 30.04.2018 as it was decided in 152nd meeting of PPCC held on 08.09.2016. He also asked to submit the progress report of the erection and commissioning of the mechanization at micro level every 15 days as to enable PPCC for close monitoring of the progress. Based on his inspection, a direction again issued to M/s Karaikal Port by PPCC vide letter no. PPCC/DIR/CPCB/COM/TNR/ KKL/JE/2017/1248 dt December 29th, 2017 to comply the points as mentioned below as to complete every activities before 30.04.2018 and to report.

| Points of Direction | Details of Directions | Present Status |
|----------------------------|--|--|
| i | The first and foremost priority, at this instance, is the completion of Mechanization of Coal Handling System, since the direction to comply with the same is as old as 2011. | All these three points are related to mechanization of coal handling system for which it is reported that 75% of the work completed and micro level progress in this activity is being informed to PPCC time to time |
| ii | The unit shall take diligent efforts to complete the erection and commissioning of the Mechanization of Coal Handling System, within 30.04.2018, as per the decision of the 152 nd PPCC Meeting held on 08.09.2016. | |
| iii | The unit shall submit progress report of the erection and commissioning of the Mechanization of Coal Handling System, at the micro level, component wise and activity wise, every 15 days, depicting the actual micro level progress and activity chart, of the same, to PPCC, to enable close monitoring of the work in progress. | |
| iv | The unit shall prepare SOP's for the immediate and ongoing activities like Roads and Railways cleaning work, mending and replacement work of Wind Screens, etc., and shall submit the same to this Committee, on or before 31.12.2017 | Submitted (Annexure -5) |

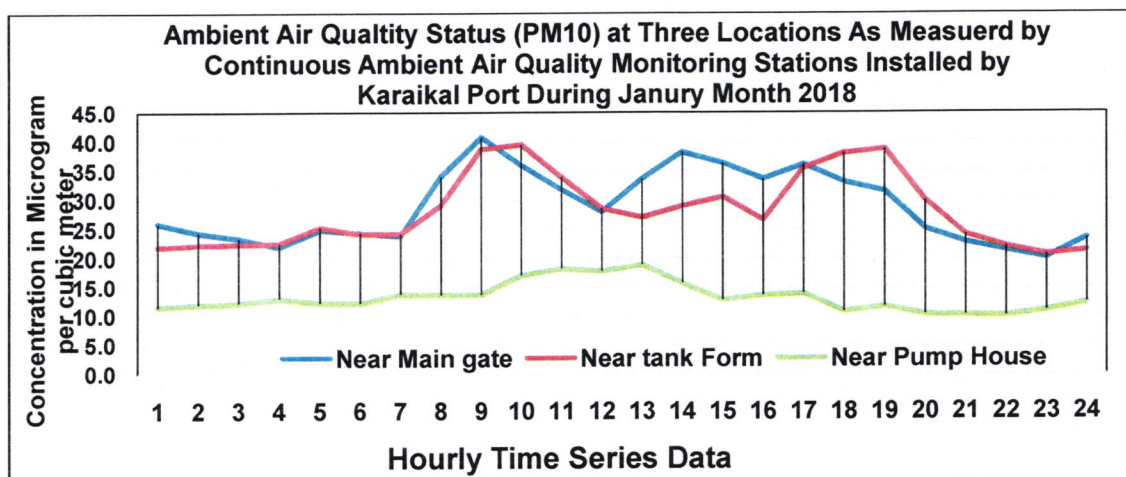
D. Status of Air Quality Inside The Karaikal Port

The Port Authority has installed three Continuous ambient air quality monitoring stations (CAAQMS) supplied by M/s Thermofisher at the following locations inside the premises

| No.of Locations | Locations of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) | Geographical Position | Distance from main gate |
|-----------------|---|--|-------------------------|
| Stn-1 | Near Main Gate, Helipad Area, Karaikal Port Private Limited , Keezhavanjore Village, Karaikal | Lat: 10° 49' 58.48" N Lan: 79° 50' 29.29" E | 150 Mts |
| Stn-2 | Near Tank farm area, Karaikal Port Private Limited, Keezhavanjore Village, Karaikal | Lat: 10° 49' 43.51" N Lan: 79° 50' 59.94" E | 1.0 to 1.5 KM |
| Stn-3 | Pump House area, Karaikal Port Private Limited , Keezhavanjore Village, Karaikal | Lat: 10° 50' 51.43" N Lan: 79° 50' 35.79" E | 1.5 to 2 Km |

The above three continuous monitoring stations are found to be working and the data generated from these stations connected through a separate computer placed at PPCC since there is no common server at PPCC. The parameters measured are PM₁₀, PM_{2.5} and Carbon Monoxide (CO).

The historical hourly data of each day of three monitoring stations from Jan 1st to Jan 31st 2017 was evaluated and the concentration of Particulate Matter (PM₁₀) is ranging from 20µg/m³ to 40.7µg/m³ at near Main Gate, 20.6 µg/m³ to 39.5µg/m³ at near Tank Form area and 10µg/m³ to 18.9µg/m³ at near Pump House while the 24 hourly average is 28.9µg/m³, 28.1µg/m³ and 13.3µg/m³ at main gate, tank form and pump House respectively. The concentration measured by CAAQMS seems to be less as compared to the ground reality, which reflects that regular calibration of analysers is not in practice. The concentration of PM_{2.5} and carbon Monoxide are not reflected here since there concentration was found to be still lower than PM₁₀ concentration. The hourly average concentration of Particulate Matter (PM₁₀) for January month 2017 is depicted in pictorial as below;



E. General Observations.

- i. Karaikal Port Private Limited (KPPL) located at Keelavanjore village, T.R.Patinam, Karaikal was developed by the Chennai based M/s MARG Limited and became operational in April, 2009. The port has an area of 602 acres and is situated on the Eastern coast in Karaikal with the latitude of 10° 54' 49.9932" N and Longitude of 79° 50' 41.4816" E. The port obtained rail connectivity in January 2010 and its railway sidings are connected to Trichy via Nagore.
- ii. On verifying the statutory documents, it is observed that the Environment Clearance issued by MoEF&CC was expired on 21.09.2017 and the consent for Air and Water issued by Puducherry Pollution Control Board also expired on 30.09.2016 itself

| Sl. No | Clearances | Author ity | Ref Nos | Date of Issue | Validity |
|--------|-----------------------------------|------------|---|------------------------------------|---|
| 1 | Environment Clearance (CRZ) | MoEF | MoEF No. 10-42/2009 IA-III | 22.09.2009 &Annex-4a 03.02.2015 | 21.09.2017 |
| 2 | Hazardous Waste Authorization | PPCC | PPCC.No.7162/PPC C/HWM/JSA/2015/1 265 | 07.12.2015 (Annex-4b) | 07.12.2020 |
| 3 | Consent for Air, Water to operate | PPCC | No.PPCC/CON/AIR /TRP/KKL/JE/2015/ 1476; No.PPCC/CON/WT R/TRP/KKL/JE/201 6/1477 | 01.02.2016 (Annex-4c) | Expired on 30.09.2016 and operating on NOC |

- iii. However, M/s Karaikal Port had applied for CRZ clearance to MoEF&CC which was considered in its 21st meeting of Expert Appraisal Committee (Infra-2) to extend the period for another two more years from 22.09.2017 to 21.09.2019 (copy of the minutes enclosed in (Annexure -4d) but no official communication from MoEF&CC for extending the period is received by Karaikal port.
- iv. Though the consent is expired, Karaikal Port is operating the unit by the approval of NOC issued by PPCC.
- v. The coal dust spill over/carry over by trucks mixed with water (used for spray) forms slurry and the same is spread on the roads within the premises. These dust further carry over by the tires of the vehicle moment to the road side till it connects to high way. If regular cleaning is not in practice, these dust may further carry over to the high ways.
- vi. Coal is loaded in to the wagon which forms more than 2 feet heap of the brim level and covered by Polythene sheets. The strength of the polythene sheets is light which may damage while wagon on transit. As informed by the official of Rail way, the loading heap supposed to be less than one and half feet. Some of the coal deposit on

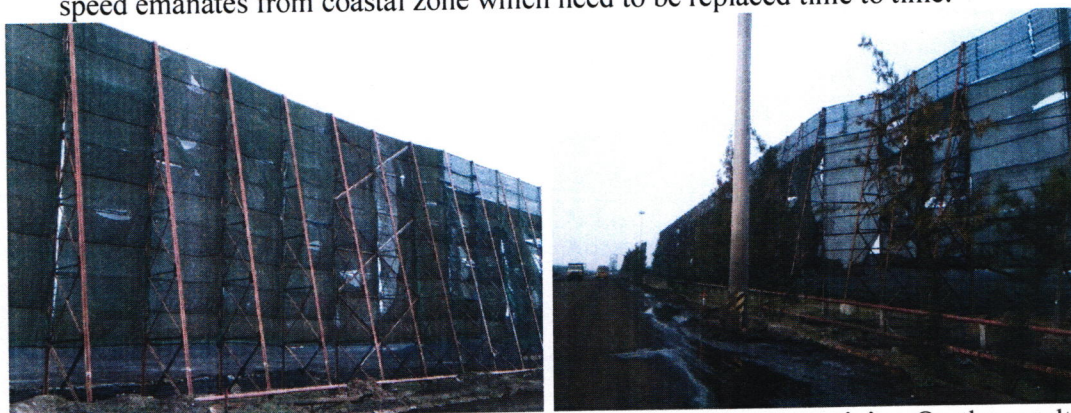
the railway track sides have found due to the spillage from top layer of the wagon particularly when it moves on the sharp curves.



Wagon Loaded with Coal and cover

Floor condition at Coal Loading in to Wagon

- vii. Two tire system of trees and wind screens are developed inside the port to eliminate the dust emission. The wind screens keep on damaging due to high wind speed emanates from coastal zone which need to be replaced time to time.



Repair and replacement of damaged wind screens are continuous activity. On the result of trail run, the work order placed for supply of Chinese corrugated metal mesh as seen in the top layer of the wind screen

- viii. During field survey carried out by the team of official from PPCC, TNPCB and CPCB at Nagor, Velipalayam and Nagapattinam and also at these three railway stations, coal dust deposit on the open lands, floors, buildings, on the leafs of trees and on high ways could not be seen, except some coal dust at high ways at wherever the humps, speed breakers and sudden curves are provided.

F. Survey Carried out in Response to The VIP Complaint

The Points of VIP Complaints are

1. Spillage of Coal dust throughout the residential environment and affects the health of the people.
2. Dumping of waste/garbage at open areas at the State's border near Nagapattinam

F(1a). Status of Coal Spillage on Railway Tracks

The wagons once moves from Port after loading a coal, at that instance coal may spill if adequate wetting and tight covering is not done. These spillage may continue till some distance until a coal become compacted due to movement of wagons. If wetting along with proper covering in good quality of polythene cover is not done, spillage may continue to occur. During the survey, the photographs taken at Railway Tracks and at stations are depicted here.



Coal deposit at sideways of track found at some patches of track before Nagor Rly Station



The floor level found to be no deposit of Coal at Nagor Rly Station

The figure above depicts that the coal spillage at some patches of track is found before the Nagor railway station and not found continuously on the track along. The concrete floor of the platform at Nagor railway station reflects that no deposit of the coal.



Condition of Rail way Track at Nagor Station



Condition of Rail way Track at Nagor Station

Above photos depicts that the traces of coal deposit is appearing and also reflects that proper cleaning by railway department and Karaikal port is carried out



Coal from Track and Sides of track is removed and deposited on one side at Velipalayam Rail Way Station



Present condition of the Track and Sides of the track at Velipalayam Rail way Station

The above photo depicts that coal removed time to time from the railway track is dumped here and another photo indicates that no deposit of coal even being a curvature.



No coal deposit on the track found at Nagapattinam Rail Way Station



No coal deposit on the track found at Nagapattinam Rail Way Station

In short, during the survey carried out at railway tracks and railway Stations no coal deposit is found all along the length of the railway tracks in recent period and some of the deposits were found at intermittent distance particularly at curve/ signals, which would have happened when it travels with normal speed. The coal deposited in past are cleaned and the same, which cannot be segregated, is dumped at some locations as indicated in the photos. It was informed by the Manager of the Railway Station, Nagapattinam that proper closing of bottom opening wagon is ensured by Chief Wagon Supervisor at Thiruvallur by deputing an

official for cleaning of the wagon through compressed air and thorough testing of all pneumatic valves. It is informed that maximum of 4-6 goods wagons are carrying the coal every day. It is observed that some of the spillage at intermittent areas is found which is due to overflow from the top layer of wagon. As informed by railway station master, there could be no possibility of coal spill from the bottom opening doors as it is regularly supervised by CWS. He has suggested that recommended heap level (one and half) with adequate wetting of the coal may avoid these spillages.

F(1b). Status of Coal Dust Spillage on Road Ways

The photo below indicates that lot of fine coal dust mixed with soil dust is seen at near T-junction of the Karaikal to Nagapattinam high way about 0.5 KM from of the port main gate. These dust is mainly from dust carried by tires of the heavy vehicles in wet condition from the port and same is mixing with loose soil with the sides of the road which further agglomerates. During inspection this deposit was pointed out and port officials immediately removed all loose soils along the road side and filled with hard soil which is also shown in photo.



Goal Dust along with Loose soil at RTO Office



On instruction removing of loose soil and filling of hard soil is carried out during inspection

F (1c). Survey Carried Out at High Ways: Road Connecting Karaikal and Nagapattinam and Thirucarur

On travelling towards Nagor and Nagapattinam some traces of coal dust at intermittent areas were found. More deposit of dust was found at the place where multiple hump is provided near T-junction of Kangalancherry road towards Thiruvavur before Vettar river and at the road near by ONGC main gate where again hump is provided. The fine powder indicates that these spillage is not regularly continues and once it falls as small granulates, due to continual crushing of other vehicles it become fine powder and further spreads on the road.



Coal Deposit after the hump at T-junction road of the Thiruvavur and Nagapattinam road before Vettar river



Coal Deposit after the hump near ONGC main gate

F (1d). Vehicular Movement Survey on Road

A group of officials from PPCC deputed for vehicular survey near RTO Office at the junction point of the road connecting Karaikal Port and Nagapattinam to Karaikal Highway to note down the vehicular movement and to verify, the loaded vehicles are properly covered or uncovered. The survey was carried out on 9.2.2018 from 11.0hrs to 19.0 hrs. and also the record of vehicular movement was verified.



Details of vehicular movement and its types are depicted in table below:

| Type of Material | Type of Vehicle | Vehicles Out of Port | | Vehicles in to the Port | |
|------------------|-----------------|-----------------------|---------------------------|-------------------------|---------------------------|
| | | As per Record of Port | As per Survey Carried out | As per Record of Port | As per Survey Carried out |
| | | 06.05 to 17.57 hrs | 11.00 to 19.00 hrs | 06.30 to 17.38 | 11.00 to 19.00 hrs |
| Clinker | Truck | 49 | 24 | 55 | 29 |
| Pet coke | Truck | 25 | 15 | 49 | 33 |
| Coal | Truck | 37 | 31 | 116 | 73 |
| edible tanker | Tanker | 5 | 5 | 5 | 4 |
| wheat | Truck | 7 | 6 | 5 | 3 |
| others | Truck | 7 | 5 | 6 | 5 |
| | Total | 130 | 86 | 236 | 147 |

The record of the port reveals that about 130 vehicles (Truck and Tankers) from Karaikal Port have come out on 09.02.2018 during 06Am to 06PM for 12 hrs out of which the empty vehicles are 49 nos. The vehicles moved towards Karaikal Port inside are about 236 out of which the empty vehicle are 177 nos for the same period.

The vehicular survey carried out by a team of officials deputed by PPCC on 9.2.2018 during 11.0hrs to 19.0 hrs and the details of the survey is as below

| Vehicle Movements | Lorries/truck | | Tipper | | Car s | Bus | Total |
|-----------------------------|-----------------------|---------------------|------------------------|---------------------|-------|-----|-------|
| | Covered withTarpaulin | Not Covered (Empty) | Covered with Tarpaulin | Not Covered (Empty) | | | |
| Vehicles out of Port | 43 | 34 | 20 | 14 | 55 | 5 | 171 |

| | | | | | | | |
|------------------------------|----|-----|-----|----|----------|-----|------|
| Vehicles goes to Port | 33 | 86 | 1 | 30 | 40 | 3 | 193 |
| Vehicles moves on NH | 35 | 194 | NIL | 8 | 153 3 | 253 | 2023 |

Survey reveals that about 111 vehicles (Truck and Tankers) from Karaikal Port have come out on 09.02.2018 during 11Am to 07PM for 8 hrs out of which the empty vehicles are 68 nos. The vehicles moved towards Karaikal Port inside are about 150 out of which the empty vehicle are 117 nos for the same period.

The track record of the vehicle movement data from the period from April-2017 to January 2018, data obtained from the main gate on the day of inspection and data obtained based on the manual survey carried during inspection reveals that about 210-220 nos of trucks loaded with coal are moving on the high way. It is observed that all the loaded vehicle are properly covered with hard tarpaulin and no leakage from the trucks are found.

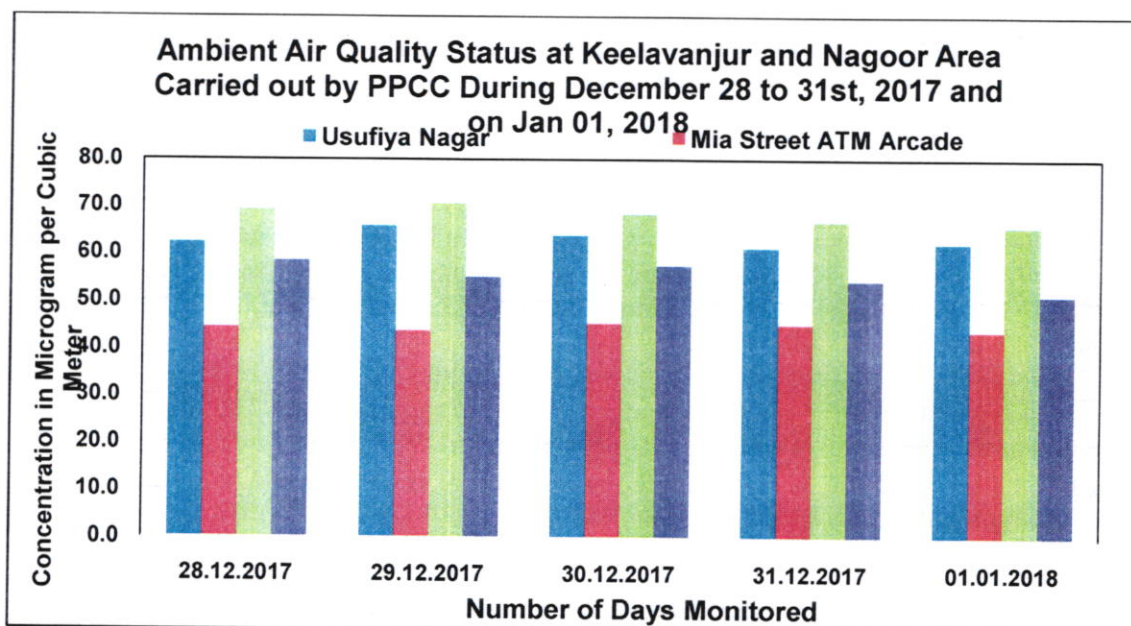
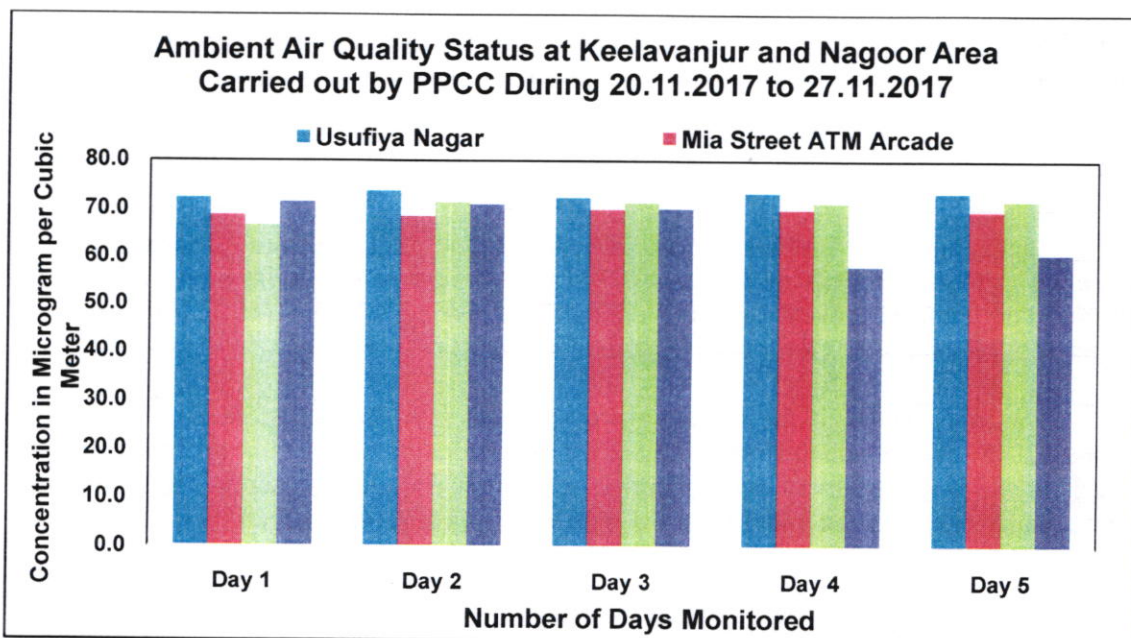
F (1e). Review of Ambient Air Quality Survey Carried out by PPCC during November and December-2017

Puducherry Pollution Control Committee has carried out ambient air quality survey engaging two different third parties during November and December 2017 and data of the same is reviewed.

The ambient air quality in terms of Sulphur Dioxide (SO₂), Nitrogen Dioxide (NO₂), Particulate Matter (PM₁₀) and Particulate Matter PM_{2.5} was measured at four locations engaging a third party M/s Hubert Enviro care systems (P) Ltd, Chennai during 20.11.2017 to 27.11.2017 for five days. The names of locations are 1. Panguli, Usufiya Nagar, Nagor 2. Mia Street ATM Arcade, Nagor 3. Nadu Thiru, Keela Vanjur and 4. Community Hall, Keela Vanjur.

The concentration of Particulate matter (PM₁₀) is ranging from 72.2 µg/m³ to 73.6 µg/m³ at Panguli, Usufiya Nagar, Nagor, 68.4 µg/m³ to 69.8 µg/m³ at Mia Street ATM Arcade, Nagor, 66.5 µg/m³ to 71.6 µg/m³ at Nadu Thiru, Keela Vanjur and 58.0 µg/m³ to 71.0 µg/m³ at Community Hall, Keela Vanjur.

Similar monitoring was carried out at same four locations engaging a third party M/s IVC Labs Pvt Ltd, Chennai during 28.12.2017 to 01.01.2018 for five days. The results in terms of Particulate matter (PM₁₀) is ranging from 61.2 µg/m³ to 65.7 µg/m³ at Panguli, Usufiya Nagar, Nagor, 43.6 µg/m³ to 45.2 µg/m³ at Mia Street ATM Arcade, Nagor, 65.7 µg/m³ to 70.5 µg/m³ at Nadu Thiru, Keela Vanjur and 51.2 µg/m³ to 58.4 µg/m³ at Community Hall, Keela Vanjur.



The Concentration of Particulate Matter(PM_{10}) measured at all four locations in both the months November and December 2017 was found to be within the prescribed standard limit of 80 for 24 hrs. Since the Concentration of Particulate Matter (PM_{10}) itself fallen within the prescribed standard limits the other pollutants of $PM_{2.5}$ and SO_2 and NO_x are not reflected here as those are within standard limits.

F (2a). Dumping of Waste/Garbage at Open Areas at the State's Border near Nagapattinam

During the joint survey made it is found that no solid waste from the port is deposited at the state borders..

However, the huge quantity of municipal solid waste generated by Nagor is dumped near to the Vettar River. The dumping stretch is about 400-500 meters distance. The dumping site is 0.5km to Nagor and 1.0km to Karaikal port. During the inspection, the solid waste is burning throughout the day and lot of smoke is being dispersed.



F (2b). Plastic Waste Deposit

Karaikal Port is partially disposing the plastic waste through an unauthorized third party. Third party intern brings waste and dumping haphazardly near the Keelavanjore village which also spreads to the ring canal made for Keelavanjore village.



G. Conclusions

- i. In response to the direction issued by PPCC based on CPCB report and regular PPCC inspections presently about 75 % of the erection and commissioning of mechanization of coal Handling system is completed
- ii. Out of 20 points of direction, five points (3, 5,9,16&20) are complied, five points are not complied and 9 points are partially complied for which Karaikal Port assured to complete by April 31st, 2018 on the dead line fixed by the direction of the PPCC.
- iii. The ambient air quality results at various locations carried out by two different agencies engaged by PPCC reveals that the concentration of Sulphur Dioxide (SO₂), Nitrogen Dioxide (NO₂), Particulate Matter (PM₁₀) and Particulate Matter PM_{2.5} are within the prescribed limit for 24 hrs.
- iv. The ambient air quality in terms of Particulate Matter (PM₁₀) and Particulate Matter PM_{2.5} measured by CAAQMS at three locations inside the M/s Karaikal Port are found to be within the prescribed limit for 24 hrs.
- v. The vehicular survey carried out reveals that none of the coal loaded trucks and tankers are uncovered and properly covered with thick polythene sheets.
- vi. During field survey carried out, by team of officials from PPCC, TNPCB and CPCB at Nagor, Velipalayam and Nagapattinam and also at these three railway stations, coal dust deposit on the open lands, floors, buildings, on the leaves of trees and on high ways could not be observed, except patches of coal dust at high ways, wherever the humps, speed breakers and sudden curves are provided.
- vii. This spillage is not continuous and once it falls as small granulates, due to continual crushing of other vehicles it become fine powder and further spreads on the road.
- viii. The survey carried out along railway track and rail way stations reveals that, the coal deposited in the past was cleaned by Railway Departments and also by Karaikal Port.

Some of the Coal dumping is found at the side of railway track which seems to be deposited during cleaning.

- ix. Coal spillage also observed at the siding of the tracks at some intermittent areas and at curvatures.
- x. It is observed that Karaikal Port has made a tie up with Railway Department as to ensure that the bottom opening wagons are properly cleaned and tested after discharging the coal to the customer before sending to the port.
- xi. The statutory Clearance issued by MoEF&CC for Environment Clearance was expired on 21.09.2017 and the consent for Air and Water issued by Puducherry Pollution Control Board also expired on 30.09.2016.
- xii. Based on the issues discussed in 156th Meeting of PPCC held on 31.10.2017, the direction issued to M/s Karaikal Port by PPCC vide letter no. PPCC/DIR/CPCB/COM/TNR/ KKL/JE/2017/1248 dt December 29th, 2017 with the following conditions that, No more extension of Timeline for the erection and commissioning of Mechanization of Coal Handling system, beyond 30.04.2018, would be accepted. In case of Non-compliance, M/s. Karaikal Port Pvt., Ltd., shall stop handling of coal beyond 30.04.2018, and PPCC shall forfeit the Bank Guarantee of Rs. 50, 00,000/- (Rupees Fifty Lakhs Only), provided by the unit. It is also informed that no Renewal of Air and Water Consent of the unit shall be considered at this instance.

H. Recommendations

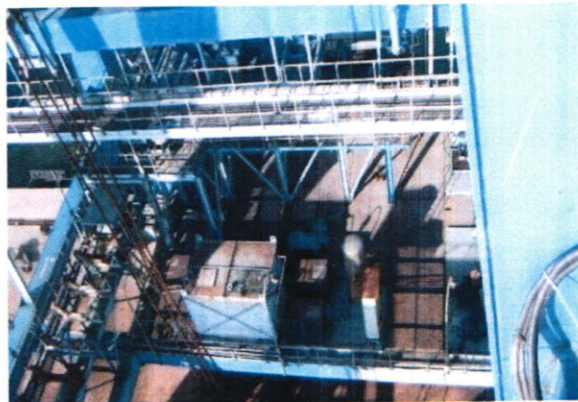
The Port Authority has re-initiated the mechanization process with concerned agencies for commissioning of mechanization of coal handling system on priority, which is pending from quite long time.

In case if the port authorities does not comply for completion of various pending works within time frame as per directions of PPCC vide letter no. PPCC/DIR/CPCB/COM/TNR/ KKL/JE/2017/1248 dt December 29th, 2017, then the activity related to coal handling shall be stopped. The bank guarantee shall also be forfeited.

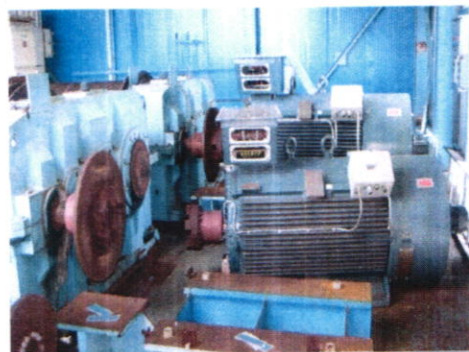
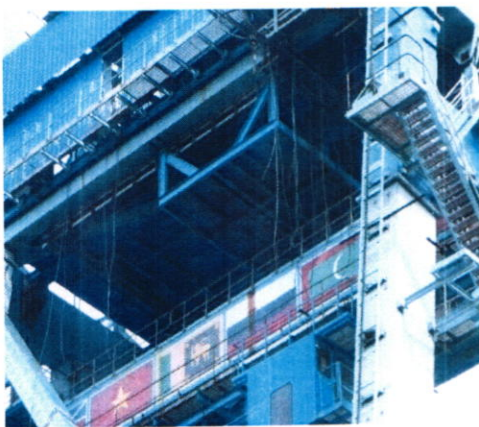
Further, the renewal of consent shall be considered only after complying with directions by the port authority. If required a joint inspection including representative from Hon'ble M. P. shall be carried out after receiving information from port authorities to further decide upon the issue.


(K. Karunakaran)

Senior Technical Supervisor



Equipment of Ship Unloader 1

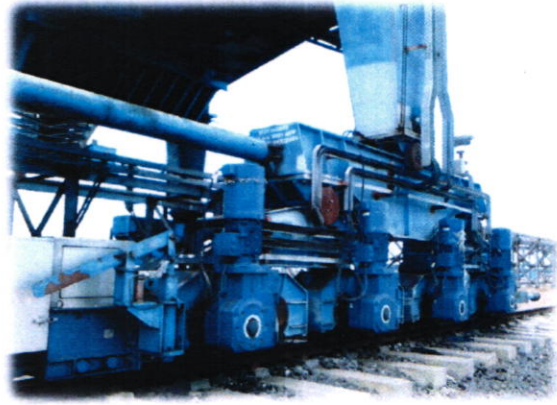


Equipment of Ship Unloader 2

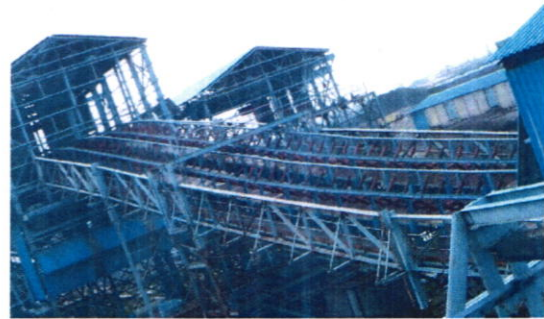
62 P 15/2/18



Stacker Re-claimer 1



Stacker Re-claimer 2



Integral Parts of Conveyor System



Truck Loading Silos



In-Motion Wagon Loading System

6-82 15/2/18

No. Q-16015/08/2018-CPA
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
(CP Division)

5th Floor, Prithivi Wing, IPB, Jorbagh Road
New Delhi-110003

Dated: 29th January, 2018

To

✓ The Member Secretary

Central Pollution Control Board
Parivesh Bhawan, East Arjun Nagar
Delhi-110032

The Member secretary

Tamil Nadu Pollution Control Board
76, Mount Salai, Guindy
Chennai-600032
Tamilnadu

Subject: VIP reference of Dr. K. Gopal, Hon'ble Member of Parliament (Lok Sabha)
regarding complaint against pollution and environmental degradation caused
by Marg port- Karaikal.

Sir,

Please find enclosed herewith a copy of letter received from Dr. K. Gopal, Hon'ble Member of Parliament (Lok Sabha) on the above mentioned subject which speaks for itself.

2. It is requested that the issues raised in the reference may be examined on priority and report may be forwarded to the Ministry urgently, for placing the matter before Hon'ble Minister.

This may be treated on PRIORITY.

Yours faithfully,

Pri

(Dr. Priti Singh)
Scientist 'C'

Encl: as above

VIP-Ref

Forwarded for Wt a plan on
priority

DM UPC-I (Chennai) (Sd/-) 31/1/18

Copy to Mrs. Divya for following up

53733/ms
30/1/18

MS 8/30/01
DH, PEP

53733/DS

30/01/18

As discussed, Mr.
S.R.D.
S.C.D.

31/01/18

Dr. K. GOPAL, MBBS., DCH, PG.Dip.Diab
MEMBER OF PARLIAMENT
(LOK SABHA)
NAGAPPATTINAM CONSTITUENCY - TAMIL NADU

Standing Committee : SC & ST Committee
Petition Committee
Science and Technology Committee
Environment & Forest Committee
Parliament Food Committee

Consultative Committee : Information and Technology



209, North Avenue, New Delhi.

No.111, Bazaar Street, Nannilam,
Tiruvavur District-610 105. Tamil Nadu.
Phone :04366-228100
Mobile : +91-9442430588

Office of Secretary (EF&CC)
e-office No. 141958
Date 04/11/2018

Respected Sir,

Date

**Sub: Complaint against the pollution and Environmental
Degradation caused by Marg Port-Karaikal**

Here with I am writing this letter On behalf of the people Pain of Nagapattinam constituency issues, to bring to your kind attention, an environmental violation caused by Trucks carrying Coal for Marg Port, Karaikal that are passing through Nagapattinam district. Earlier the court had advised that the coal had to be covered properly while in transit to prevent pollution. But, of the 50 trucks per day (on an average), some of them are going completely uncovered while many are improperly covered. This results in spilling of coal dust throughout the residential environment. People are getting highly affected by cough, allergies and lungs disorders. This issue has been persisting ever since the port became operational in 2009. There are never responses to any court or government norms continuously.

In addition to this, the aforementioned company, MARG Ltd is also responsible for dumping their waste at the state's border near Nagapattinam. Such disposal of garbage at open areas is also causing a high amount of pollution which leads to environmental degradation. I have been receiving a large number of complaints from people against the port management regarding this environmental nuisance and totally violated environment norms against regulation as per Environment protection Act 1986 and also totally violated rules and regulation of Pollution control board norms.

Request you to take strict action against the company and ensure that their operations are discontinued with immediate effect as their activities are causing increased distress to the environment and its people with each passing day. Sir People of our constituency are eagerly waiting for your Positive response regarding this issue.

Yours Sincerely

(Dr.K.Gopal)

To

The Secretary
Ministry of Environment, Forest and climate change, Indira
Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi-110 003.

O/o DS (Satyendra Kumar)
Dy. No. 6-141958
Date 09/01/2018

It is a VIP
Reference -
To concerned officer
SO (CPA)
15.01.2018
Cm. (S)



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

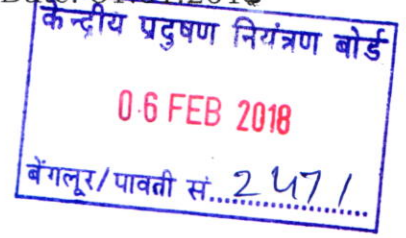
SPEED-POST/FAX

Fl.No.-79/UPCD/VIP/PORTS/2017-18 16827

Date: 31.01.2018

To

**Regional Director,
Central Pollution Control Board
Regional Directorate, Bengaluru**
A-Block, NisargaBhavan,
1st and 2nd Floors, 7th D Cross,
ThimmaiahRoad, Shivanagar,
Bengaluru - 560079



Sub: VIP reference of Dr. K. Gopal, Hon'ble Member of Parliament (Lok Sabha) regarding complaint against pollution and environment degradation caused by Marg port - Karaikal.

Sir,

This has reference to a VIP complaint forwarded by the MoEF&CC regarding pollution and environmental degradation caused by Marg Port-Karikal (copy enclosed).

In this connection, you are requested to carry-out joint inspection of the concerned area in cooperation with the respective State Pollution Control Board and submit a report to this Office on urgent basis.

This may be treated on priority please.

Yours faithfully,


(Suneel Dave)

Additional Director, UPC-I

pe investigation on discussed.

म. 24/1
5/12/2018

Sh KK



SPEED-POST/TAX

Fl.No.-79/UPCD/VIP/PORTS/2017-18

Date: 02.02.2018

To,

**Regional Director,
Central Pollution Control Board
Regional Directorate- Bengaluru**
A-Block, NisargaBhavan,
1st and 2nd Floors, 7th D Cross,
Thimmaiah Road, Shivanagar,
Bengaluru - 560079

**Sub: VIP reference of Dr. K. Gopal, Hon'ble Member of Parliament (Lok Sabha)
regarding complaint against pollution and environment degradation
caused by Marg port - Karaikal.**

Ref:

1. Our letter (Fl.No.-79/UPCD/VIP/PORTS/2017-18/) dated 31/01/2018 on the same subject.
2. Your 'Report on Environmental Status in M/s Karaikal Port Private Limited, Karaikal, Puducherry' sent via e-mail on 01/02/2018.

Sir,

This has reference to the above VIP complaint and your 'Report on Environmental Status in M/s Karaikal Port Private Limited, Karaikal, Puducherry' you e-mailed us on 01/02/2018.

CPCB-HWMD forwarded the recommendations of the said report to the District Collector-Nagapattinam and the Member Secretary-Puducherry Pollution Control Committee on December 22, 2017 (copy of letter enclosed) for necessary follow-up action/implementation.

You are hereby requested to forward a verification report on the implementation of the recommended action points to this Office at the earliest for appraisal of CPCB Authority.

This may be treated on priority please.

Yours faithfully,


(Suneel Dave)

Additional Director, UPCD-I

Encl: As above.

परिवेश भवन' पूर्वी अजुन नगर, दिल्ली-110032

Parivesh Bhawan, East Azim Nagar, Delhi-110032

दूरभाष: Tel: 48102030, 22805792. वेबसाइट: Website: www.cpcb.nic.in

SHKK



ANNEXURE - 2

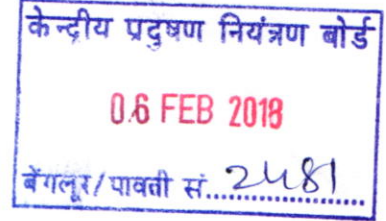
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

B-33014/7/2018/IPC-II/TPP/16794

January 29, 2018

To

The Member Secretary
Puducherry Pollution Control Committee
'B' Block, Ground Floor,
Chief Secretariat, Puducherry-605 001



Sub: Complaint against the pollution caused due to MARG (Karaikal Port Private Ltd) Port - reg.

Sir,

Enclosed, please find herewith a complaint dated 27.12.2017, received from Sh. S. Shahul Hameed, Panankollai, Yusufia Nagar, Nagore, Dist. Nagapattinam, Tamilnadu on the subject mentioned above. The complainant has submitted that the nearby villages of MARG (KPPL) Port are getting severely polluted due to spread of coal-dust by the MARG (KPPL) Port which lies on East Vanjore of Puducherry Union. It is informed that the Port has been inspected and directed number of times by Puducherry Pollution Control Committee (PPCC), for compliance of coal handling guidelines but no improvement has been done by the Port authority to control pollution due to transport of coal. The complainant has stated that PPCC has issued show cause notice and directions to MARG (KPPL) Port number of times since year 2009 but Port authority has failed to comply with the directions and follow mandatory coal handling guidelines.

It is therefore requested that the matter may please be got investigated on top priority and appropriate action may be taken. Action taken report may be provided to the complainant under intimation to this office at the earliest, preferably within 15 days.

Encl: as above

Yours faithfully,

[Nazimuddin]

Divisional Head-IPC-II

Copy to:

The Regional Director- South
Central Pollution Control Board
1st & 2nd Floors, Nisarga Bhawan,
A- Block, Thimmaiah Main Road,
7th D Cross, Shivanagar,
Bengaluru - 560 010

:- The matter may please be followed up with
SPCB.

OK OK program

Sh. J. K.

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

5/2/18 Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

From:

S. Shahul Hameed

5, Panankollai, Yusufia Nagar,
Nagore - 611 002,
Nagapattinam District.
Mobile: 9789548566

To

The Chairman,

Central Pollution Control Board (CPCB),
Parivesh Bhawan,
CBD-Cum-Office Complex,
East Arjun Nagar,
New Delhi - 110 032.

Sub : **Request to order to stop Coal handling at KARAİKAL MARG PORT**

The people of Tamil Nadu State, Nagapattinam District, Nagore town and the surrounding villages, And the people of Puducherry Union, Karaikal District, T.R.Pattinam Taluk Keela Vanjore village, Vanjore Kuppam and North Vanjore, were affected by COAL DUST which comes from nearby KARAİKAL PORT (P) LTD., @ KARAİKAL MARG PORT'S coal handling. And it degenerates the Environment.

The people including me also affected by this problem from 2009 to until now.

The District Environment Engineer of Nagapattinam District TNPCB, Member Secretary of Puducherry Pollution Control Committee, Central Pollution Control Board Bengaluru Regional Officers, Karaikal District Collector also inspected that KARAİKAL MARG PORT and find out they don't follow the guidelines for coal handling, and warned them because of People's Complaints.

In July 2017, CPCB Bengaluru Regional Officer specially inspected that Port and not satisfied about their careless of COAL HANDLING AND GIVE SOME DIRECTIONS FOR STRICTLY FOLLOW THE GUIDELINES. If failed to finish the Mechanization of full covered conveyor belt system on loading and unloading on or before 30.04.2018, the port will be ordered to stop coal handling.

The KARAİKAL MARG PORT continuously avoids the coal handling guidelines and do some eyewash proceedings sporadically.

In 2010, PPCC ordered the port to follow which procedure and guidelines, until 2017 also reiterate the same procedure and guidelines including more than four show cause notice about stop coal handling, is come to know about KARAİKAL MARG PORT'S sporadically eyewash proceedings.

For example in 2011, PPCC fixed a time limit six month for finish the Mechanization of full covered conveyor belt system on loading and unloading, and closed storage shed, until now 2017 also PPCC reiterate that. But KARAİKAL MARG PORT don't finished that until now.

CPCB, TNPCB, PPCC, Karaikal District Collector, Nagapattinam RDO and Every Government Officials pointing out, one of the main reasons to spread coal dust, without mechanization of full covered conveyor belt system on loading and unloading, and closed storage shed.

THE KARAIKAL MARG PORT don't finish the Mechanization until now, at the same time PPCC continuously extended the permit for coal handling there until now is ILLEGAL.

The PPCC only care about the thousands millions of investment of port, and the PPCC forget about thousands of people's health hazard and environment. I think the PPCC don't care about people.

I listed the notice sent by PPCC for Mechanization and closed storage shed.

1. PPCC notice ref no. PPCC/COM/DIR/TRP/KKL/SCI/2010/780 dated 23.06.2010

Proposed using of closed elevators for loading and unloading of coal.

2. PPCC notice ref no. PPCC/COM/DIR/TRP/KKL/SCI/2011/269/232 dated 06.06.2011

Implementation of Mechanization within six month period, failing which take necessary action against port.

3. PPCC notice ref no. PPCC/SCN/TRP/KKL/JE/2012/768 dated 31.07.2012

Not complying with the mechanization of coal handling.

4. PPCC notice ref no. PPCC/SCN/TRP/KKL/JE/2012/1406 dated 23.10.2013

Why action shall not be taken against M/S. KARAIKAL PORT (P) LTD., for not complying with the operation of mechanization of coal handling and to stop your above referred activity henceforth immediate effect.

5. PPCC notice ref no. PPCC/SCN/TRP/KKL/JE/2013/1765 dated 09.12.2013

Manual handling of coal with multiple transits and operation of heavy machineries viz., cranes, pay loaders, dumpers and trucks for loading and unloading within port premises are the prime cause of coal dust emission.

The action plan with timelines for completion of the coal handling is 10½ months after sorting out Right of way issues, line stringing and tower erection activities subject to power availability is unjustifiable since lot of time has elapsed already.

6. PPCC notice ref no. PPCC/SCN/TRP/KKL/JE/2013/83 dated 22.01.2014

M/S. KARAIKAL PORT (P) LTD., shall strictly adhere to the timeline for completion of the commissioning of mechanized coal handling system viz., October/November 2014. Submit monthly status report on the progress.

7. PPCC notice ref no. PPCC/SCN/TRP/KKL/JE/2014/174 dated 06.02.2014

Show cause why action shall not be taken against M/S. KARAIKAL PORT (P) LTD., for not adhering to the timeline schedule for mechanization of coal handling.

8. PPCC notice ref no. PPCC/COM/DIR/TRP/KKL/JE/2014/755 dated 23.09.2014

In the event of M/S. KARAIKAL PORT (P) LTD., not adhering to the above timeline of October/November 2014, shall stop handling coal, beyond November 2104, and until the completion and operation of the mechanization of coal handling.

9. 145th meeting of PPCC dated 30.04.2015

Fixed the deadline for completion of mechanization is 31st January 2016.

10. PPCC notice ref no. PPCC/KPPL/MCH/TRP/KKL/JE/2014/147 dated 04.05.2015

Fixed the deadline for completion of mechanization is 31st January 2016.

11. PPCC notice ref no. PPCC/CON/WTR/TRP/KKL/JE/2016/477

M/S. KARAIKAL PORT (P) LTD., must strictly adhere to the deadline of 30th September 2016, for completion of the erection and commissioning of mechanization of coal handling system, failing which M/S. KARAIKAL PORT (P) LTD., shall stop handling coal, beyond 30th September 2016. No further extension of deadline will be entertained.

12. Tamil Nadu legislative assembly letter No. 1934/2017-3, த.நா.ச.பே.செ. dated: 13/03/2017.

Nagapattinam MLA speak about this issued in assembly to stop coal handling.

13. TNPCB Letter No. DEE/TNPCB/NPM/COMPL/2017 dated: 21.02.2017.

TNPCB, Nagapattinam District environment engineer confirms the coal dust affected at Nagore town and sent recommend to TNPCB member Secretary to take proper action against M/S. KARAIKAL PORT (P) LTD.,

14. Collectrate Karaikal letter No. 10749/CK/A3/2016 dt: 15/03/2017.

Evolving strategy to mitigate coal dust formation at M/S. KARAIKAL PORT (P) LTD.,

15. PPCC Notice No: PPCC/DIR/CPCB/COM/TNR/KKL/JE/2017/764 dt: 04.09.2017.

Timeline for mechanization 30.04.2018 and give some important guidelines to follow.

**16. Office of the Deputy Director (Immunization), Karaikal
Letter No: 600/DDI/KKL/Estt.,/PA/2016-17/60 Dated: 12/04/2017**

Survey report about coal dust and health hazards of Keelavanjore, Vanjore Kuppam and North Vanjore.

Due to the Karaikal Marg Ports arbitrarily action in this coal dust issued, is withholding rights of us, which is our Indian Constitution Article 21 gives to every Indian Citizen. (Clean environment and atmosphere)

M/S. KARAIKAL PORT (P) LTD., don't care about our people's health hazard and environment vulnerabilities. Until now the M/S. KARAIKAL PORT (P) LTD., do not finish the guidelines of CPCB.

So, **HONOURABLE CHAIRMAN OF CPCB**, ^{please} order immediately to stop coal handling in M/S. KARAIKAL PORT (P) LTD., and take proper action on PPCC, because of they extended the permit to coalhandling until now without finished mechanization of closed conveyor on loading and unloading and closed storage shed.

My suggestion to coal import:

- 1) Allow the coal imports only in container and containers will be directly sent to factories.
- 2) Allow the coal imports, packed in poly propylene bulk bags, which is many countries following this rules for coal import.
- 3) Mechanization of full covered conveyor belt system on loading and unloading with closed storage shed.

Thanking you.

Yours,

Date : 27.12.2017

Place : Nagore

(S. Shahul Hameed)

Enclosure:

1. PPCC notice ref no. PPCC/COM/DIR/TRP/KKL/SCI/2010/780 dated 23.06.2010
2. PPCC notice ref no. PPCC/COM/DIR/TRP/KKL/SCI/2011/269/232 dated 06.06.2011
3. PPCC notice ref no. PPCC/SCN/TRP/KKL/JE/2012/768 dated 31.07.2012
4. PPCC notice ref no. PPCC/SCN/TRP/KKL/JE/2012/1406 dated 23.10.2013
5. PPCC notice ref no. PPCC/SCN/TRP/KKL/JE/2013/1765 dated 09.12.2013
6. PPCC notice ref no. PPCC/SCN/TRP/KKL/JE/2013/83 dated 22.01.2014
7. PPCC notice ref no. PPCC/SCN/TRP/KKL/JE/2014/174 dated 06.02.2014
8. PPCC notice ref no. PPCC/COM/DIR/TRP/KKL/JE/2014/755 dated 23.09.2014
9. 145th meeting of PPCC dated 30.04.2015
10. PPCC notice ref no. PPCC/KPPL/MCH/TRP/KKL/JE/2014/147 dated 04.05.2015
11. PPCC notice ref no. PPCC/CON/WTR/TRP/KKL/JE/2016/477 (1477)
12. Tamil Nadu legislative assembly letter No. 1934/2017-3, த.நா.ச.பே.செ. dt: 13/03/2017.
13. TNPCB Letter No. DEE/TNPCB/NPM/COMPL/2017 dated: 21.02.2017.
14. Collectrate Karaikal letter No. 10749/CK/A3/2016 dt: 15/03/2017.
15. PPCC Notice No: PPCC/DIR/CPCB/COM/TNR/KKL/JE/2017/764 dt: 04.09.2017.
16. Office of the Deputy Director (Immunization), Karaikal
Letter No: 600/DDI/KKL/Estt.,/PA/2016-17/60 Dated: 12/04/2017

REGISTERED POST WITH A/D

GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
PUDUCHERRY POLLUTION CONTROL COMMITTEE
 3rd Floor, PHB Building, Anna Nagar
 Puducherry - 605 005.

Phone : (0413) 2201256

Telefax : (0413) 2203494

No. PPCC/DIR/COM/TRP/KKL/JP/2017/1248

Puducherry, the

**DIRECTION UNDER THE PROVISIONS OF
 THE ENVIRONMENT (PROTECTION) ACT, 1986**

29 DEC 2017

Sub : PPCC - Direction under the provisions of the Environment (Protection) Act, 1986 - Issued.

- Ref: (1) PPCC Direction vide No. PPCC/DIR/CPCB/COM/TNR/KKL/JP/2017/764 dated 04.09.2017.
 (2) KPPL Letter No. KPPL/ENV/PPCC/2017/40 dated 14.09.2017
 (3) Minutes of 156th Meeting of this Committee held on 31.10.2017.
 (4) Comprehensive Inspection dated 07.12.2017.

Whereas, you are operating, a Large Scale, Red Category unit, in the Name and Style of **M/s. Karaikal Port Pvt., Ltd., at, Melavanjore Village, T.R.Pattinam, Karaikal.**

And whereas, you are aware that, the compliance report submitted by you, vide reference (2) cited above, in response to the Direction issued by this Committee, vide reference (1) cited above, was discussed in 156th Meeting of PPCC held on 31.10.2017, vide reference (3) cited above. The Committee after due deliberation **decided to direct you to comply** with the following decisions and instructions for compliance.

- i. No more extension of Timeline for the erection and commissioning of Mechanization of Coal Handling system, beyond 30.04.2018, would be accepted.
- ii. M/s. Karaikal Port Pvt., Ltd., shall stop handling of coal beyond 30.04.2018, if erection and commissioning of Mechanization of Coal Handling System is not completed, within the timeline of 30.04.2018, stipulated, along with forfeiture of the associated Bank Guarantee of Rs. 50,00,000/- (Rupees Fifty Lakhs Only), provided, by the unit to the Committee.
- iii. Renewal of Air and Water Consent of the unit is not considered at this instance, *en lien* of the non-compliance of the erection and commissioning of Mechanization of Coal Handling system, by the unit.
- iv. The conditions imposed by this Committee, vide the direction dated 04.09.2017, shall be complied within the specified timelines, which shall not be permitted to be extended, strictly, beyond 30.04.2018.

And whereas, based on the decision (vi) above, of the 156th Meeting of this Committee held on 31.10.2017, the Chairman and the Member Secretary, along with other officials of this Committee, conducted a comprehensive inspection at your unit, on 07.12.2017, vide reference (4) cited above. The following were observed during the above said inspection.

- (a) The following components of the Mechanization of Coal Handling System, have been completed to the extent, as below.
 - i. Ship Unloaders has been completed upto 80 %.
 - ii. Stacker & Reclaimers has been completed upto 90 %.
 - iii. Conveyor System has been completed upto 65 %.
 - iv. The issues with the Puducherry Electricity Department, has also been sorted out and the Truck and Wagon Loading System and the Electrical Preparedness has been completed 100 %.
 - v. Even after completion of Machanization of Coal Handling System, 40 % of the Coal handling would be handled by Semi-Mechanized mode only to cater to smaller customers.

- Continued in Page No. 02 -

AS

BY

Direction

M/s. Karaikal Port Pvt. Ltd.

(b) After inspecting the unit and the field condition, Chairman – PPCC, have ordered the unit to submit the following for the following reasons:

- i. The first and foremost priority, at this instance, is the completion of Mechanization of Coal Handling System, since the direction to comply with the same is long pending from 2011.
- ii. The unit shall take diligent efforts to complete the erection and commissioning of the Mechanization of Coal Handling System, within 30.04.2018, as per the decision of the 152nd PPCC Meeting held on 08.09.2016.
- iii. The unit shall submit progress report of the erection and commissioning of the Mechanization of Coal Handling System, at the micro level, component wise and activity wise, once in 15 days, depicting the actual micro level progress and activity chart, of the same, to PPCC, to enable close monitoring of the work in progress.
- iv. The unit shall prepare SOP's for the immediate and ongoing activities like Roads and Railways cleaning work, mending and replacement work of Wind Screens, etc., and shall submit the same to this Committee, on or before 31.12.2017.

Therefore, **M/s. Karaikal Port Pvt. Ltd., Karaikal**, is hereby directed, under the provisions of the Environment (Protection) Act, 1986, to comply with the following, **on or before 31.12.2017**.

- i. The first and foremost priority, at this instance, is the completion of Mechanization of Coal Handling System, since the direction to comply with the same is as old as 2011.
- ii. The unit shall take diligent efforts to complete the erection and commissioning of the Mechanization of Coal Handling System, within 30.04.2018, as per the decision of the 152nd PPCC Meeting held on 08.09.2016.
- iii. The unit shall submit progress report of the erection and commissioning of the Mechanization of Coal Handling System, at the micro level, component wise and activity wise, every 15 days, depicting the actual micro level progress and activity chart, of the same, to PPCC, to enable close monitoring of the work in progress.
- iv. The unit shall prepare SOP's for the immediate and ongoing activities like Roads and Railways cleaning work, mending and replacement work of Wind Screens, etc., and shall submit the same to this Committee, on or before 31.12.2017.

The compliance in this matter, along with the Undertaking for Compliance towards the decision (i) to (iv) of the 156th Meeting of this Committee held on 31.10.2017, as noted above, shall reach this office, **on or before 10.01.2018**, failing which this Authority shall initiate enforcement action, deemed fit, against the unit under the provisions of the Environment (Protection) Act, 1986, as amended till date.

For & On behalf of PPCC



(M. DWARAKANATH)

MEMBER SECRETARY

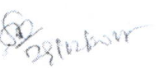


PUDUCHERRY POLLUTION CONTROL COMMITTEE

To

M/s. Karaikal Port Pvt. Ltd., Post Box No. 33, Karaikal – 609 602.

Copy to :

Standing Guard File.

ole 

DESPATCHED
29/12/2017 

**GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
PUDUCHERRY POLLUTION CONTROL COMMITTEE**

3rd Floor, PHB Building, Anna Nagar
Puducherry - 605 005.

Phone : (0413) 2201256

Telefax : (0413) 2203494

No. PPCC/DIR/CPCB/COM/TNR/KK1/JE/2017/ 764

Puducherry, the 4 SEP 2017

**DIRECTION UNDER THE PROVISIONS OF
THE ENVIRONMENT (PROTECTION) ACT, 1986**

Sub : PPCC - Direction under the provisions of the Environment (Protection) Act, 1986 - Issued.

Ref : Comprehensive Inspection and Monitoring conducted by CPCB, New Delhi, at the premises of M/s. Karaikal Port Pvt. Ltd., Karaikal from 16.07.2017 to 18.07.2017.

Whereas, you are operating, a Large Scale, Red Category unit, in the Name and Style of **M/s. Karaikal Port Pvt., Ltd., at, Melavanjore Village, T.R.Pattinam, Karaikal.**

And whereas, you are aware that, the Officials from the Central Pollution Control Board, Regional Office, Bengaluru, along with the Officials of this Committee, Karaikal, have conducted a comprehensive inspection and monitoring at premises of **M/s. Karaikal Port Pvt. Ltd., Karaikal**, vide reference cited above.

And whereas, a series of notable recommendations have been issued by the Central Pollution Control Board, New Delhi, based on the above said inspection and monitoring, vide reference cited above, as follows.

- (a) To obtain valid consent from PPCC.
- (b) To complete the installation of Mechanised conveyor system and put the same into operation.
- (c) To remove / clean the coal deposit on the railway track in co-ordination with Railway Department and to reuse.
- (d) To re-align the existing garland drain around the coal yard to properly collect the wash and storm water by gravity for treatment in ETP.
- (e) To concrete the flooring at the vehicle parking near the main gate and at the tipper maintenance area to avoid soil dust emissions.
- (f) To engage adequate vacuum based dust cleaning vehicles for routine cleaning.
- (g) To clean / wipe the roads connecting from Karaikal Main road to Custom office of the Port regularly and to ensure no dust is found on the road.
- (h) To have hardened / concrete flooring along the Railway sidings of the port to minimize dust emissions.
- (i) To ensure proper closing of the bottom mouth of the wagons while before leaving the Port to avoid spillage of coal on the tracks.
- (j) To replace the damaged / torn wind screens from time to time and maintain records.
- (k) To undertake periodic maintenance of the sprinklers, fogging machines as to ensure effective functioning.
- (l) To minimize water usage to avoid water stagnation of waste water in and around the coal yard.
- (m) To pave all unpaved roads between the coal plots so as to minimize dust emissions.
- (n) To install water meters (preferably online) at intake points for both raw and sea water and to maintain a record on water consumption on daily basis.

Direction

M/s. Karaikal Port Pvt. Ltd.

- (o) To connect all the three CAAQMS with the server of the CPCB, New Delhi and to display the realtime results at the Main gate of the M/s. KPPL.
- (p) To ensure that, the roads are well cleaned after the vehicle wash and no dust is carried on roadways carried out through tyres of cleaned vehicles.
- (q) To elevate the washing floor of the ETP II and enhance the collection tank capacity at all ETPs.
- (r) To dispose plastic wastes only to the authorized agencies and to ensure proper storage and treatments.
- (s) To instruct KPPL to device a mechanism to show the public about the pollution control measures adopted to minimize the coal dust emissions.
- (t) TNPCB, Nagapattinam, shall be requested to ensure prohibition of burning of municipal solid waste at the bank of vettar river.

And whereas, it is evident from the aforesaid comprehensive inspection and monitoring, vide reference cited above, that, **M/s. Karaikal Port Pvt. Ltd., Karaikal**, is not complying the directives of this Committee, issued from time to time, in few aspects and thereby the Committee noted the same as a gross violation of the provisions of the Environment (Protection) Act, 1986.

Therefore, **M/s. Karaikal Port Pvt. Ltd., Karaikal**, is hereby directed, under the provisions of the Environment (Protection) Act, 1986, to comply with the following recommendations of the Central Pollution Control Board, New Delhi and to submit a comprehensive time bound action plan, **on or before 15.09.2017**, for compliance of the recommendations.

- (a) Erection and Commissioning of Mechanization of Coal Handling System shall be completed **on or before 30.04.2018**, as decided and communicated by the 152nd Meeting of this Committee, held on 08.09.2016. The present details status report of the same shall be submitted separately to this Committee, **on or before 15.09.2017**.
- (b) The Coal Dust deposited on the Railway Tracks shall be cleaned in co-ordination with Railway Department and shall be reused, on a regular basis.
- (c) The existing garland drain around the coal yard shall be properly re-aligned and maintained to properly collect the wash and storm water by gravity for treatment in the existing ETPs.
- (d) Concrete Flooring shall be provided for the entire area at the vehicle parking near the main gate and at the tipper maintenance area to avoid soil dust emissions.
- (e) Adequate vacuum based dust cleaning vehicles shall be engaged for routine cleaning of the Roads and floors inside the premises in and around the Coal storage yards.
- (f) The roads connecting the Nagore Main Road and the Office of the Customs Department shall be cleaned / wiped regularly to ensure no dust is found on the road and generates dust emissions.
- (g) The coal storage area along the Railway sidings shall be provided with hardened / concrete flooring to minimize dust emissions.
- (h) The wagons shall be ensured that, the bottom discharge doors are well closed for further prevention of spillage of Coal on the Railway Tracks.
- (i) The damaged wind screens shall be immediately replaced or mended from time to time and maintain records of the same. The records shall be produced to the inspecting officials as and when called for.
- (j) The sprinklers and mistifiers shall be maintained regularly, to ensure effective functioning, at all times.
- (k) Water usage for wetting of Coal heaps and Roads shall be studied and minimized to avoid water stagnation of waste water in and around the coal yard.

Direction

M/s. Karaikal Port Pvt. Ltd.

- (l) Online water meters shall be installed, as per the guidelines of CPCB, at intake points for both raw and sea water and the same shall be connected to the server of CPCB, New Delhi and the server of this Committee. The records for the water consumption on daily basis shall be maintained. The same shall be produced to the inspecting officials as and when called for.
- (m) All the three Continuous Ambient Air Quality Monitoring Stations shall be connected to the server of CPCB, New Delhi. The real time results of all the stations shall be displayed at the Main gate of the unit.
- (n) The roads inside the premises shall be cleaned, such that, no dust is carried away by the Tyres of the vehicles out of the premises after subjecting the same to tyre wash, inside the premises.
- (o) The washing floor of all the ETPs shall be elevated and suitably designed to empty wash water to the collection tanks by gravity and the capacity of collection tanks of all the ETPs shall be enhanced suitably.
- (p) The Plastic waste generated from the unit shall be handed over only to authorized agencies to ensure proper storage and treatment.
- (q) The unit shall device a mechanism to showcase to the public about the pollution control measures adopted to minimize the coal dust emissions.
- (r) The unit shall submit a report on the water sprinklers provided in and around the Coal stock yard, along with the map of the same to this Committee, **on or before 15.09.2017.**
- (s) The unit shall submit a report to this Committee, on the wastes generated from the unit, along with their quantities and the mode of disposal with specific details **on or before 15.09.2017.**

The compliance in this matter shall reach this office, **on or before 15.09.2017**, failing which this Authority shall initiate enforcement action, deemed fit, against the unit under the provisions of the Environment (Protection) Act, 1986, as amended till date.

For & On behalf of PPCC


(M. DWARAKANATH)

MEMBER SECRETARY

PUDUCHERRY POLLUTION CONTROL COMMITTEE

To

M/s. Karaikal Port Pvt. Ltd., Post Box No. 33, Karaikal – 609 602.

Copy Submitted to :

The District Collector,
Karaikal District,
Karaikal – 609 602.

Copy to :

Standing Guard File.

} - For kind information, please.



GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF SCIENCE, TECHNOLOGY & ENVIRONMENT
PUDUCHERRY POLLUTION CONTROL COMMITTEE

Third Floor, Housing Board Office Building,
 Anna Nagar, Puducherry – 605005.

Date: 07.12.2017

INSPECTION REPORT

Time: 3.30 PM

1. Name & Address of the Industry:
 (Seal of the Industry, if available)

M/s. Karaikal Port Pvt., Ltd.,
 Melavanjore, T.R.Pattinam,
 Karaikal.

2. Size of the Industry:

- ☐ Micro (μ)
☐ Small (S)
☐ Medium (M)
☒ Large (L)

3. Category of the Industry:

- ☐ Green (G)
☐ Orange (O)
☒ Red (R)
☐ White (W)

4. Location of the Site/Industry:

- ☒ Industrial Area
☐ Commercial Area
☐ Residential Area
☐ Mixed Area

5. Purpose of the Inspection:

- | | | |
|---|---|--|
| <input type="checkbox"/> CTE / CTE&O / NOC | <input type="checkbox"/> CTO | <input type="checkbox"/> Consent Renewal |
| <input type="checkbox"/> Consent Review | <input type="checkbox"/> Production Enhancement | <input type="checkbox"/> Additional Activity |
| <input type="checkbox"/> Change of Activity | <input type="checkbox"/> Change of Fuel | <input type="checkbox"/> Name Amendment |
| <input type="checkbox"/> Change of Location | <input type="checkbox"/> Complaint | <input checked="" type="checkbox"/> Compliance |

If purpose other than above:

Inspection for assessment of the exact status of the Pollution Mitigation measures, carried out by the unit, as per the decision of the 156th Meeting of Puducherry Pollution Control Committee, held on 31.10.2017, with specific reference to Mechanization of Coal Handling system, at the unit, by the Chairman – PPCC.

6. Inspecting Officials :

- (a) Thiru. Mihir Vardhan, IAS, Chairman, Puducherry Pollution Control Committee, Puducherry.
 (b) Thiru. M. Dwarakanath, Member Secretary, Puducherry Pollution Control Committee, Puducherry.
 (c) Dr. N. Ramesh, Environmental Engineer, Department of Science, Technology & Environment, Puducherry.
 (d) Thiru. Poogajendy, C. Junior Engineer, Department of Science, Technology & Environment, Puducherry.
 (e) Thiru. P. Ashok Kumar, Junior Laboratory Assistant, Department of Science, Technology & Environment, Puducherry.

6. Products and Quantity:




Activities permitted : Multipurpose Minor Port permitted to handle the following cargo.

| Items | Permitted by MoEF&CC | Permitted by PPCC |
|--|---|---------------------|
| (a) Coal | 21.5 MMTPA, a cumulative capacity of all the cargo. | - 10.0 MMTPA |
| (b) General Cargo | | - 2.0 MMTPA |
| (c) Crude Oil & Other Petroleum Products | | - 1.0 MMTPA |
| (d) Edible Oil | | - 2.5 MMTPA |
| Total | 21.5 MMTPA | - 15.5 MMTPA |

- Continued -

7. Observations:

- (a) It was observed from the presentation made by the officials of the unit, to the inspection team that, the following components of the Mechanization of Coal Handling System, have been completed to the extent, as below.
- Ship Unloaders has been completed upto 80 %.
 - Stacker & Reclaimers has been completed upto 90 %.
 - Conveyor System has been completed upto 65 %.
 - It is stated by the officials of the unit that, the issues with the Puducherry Electricity Department, has also been sorted out and the Truck and Wagon Loading System and the Electrical Preparedness has been completed 100 %.
 - The unit submitted that, even after completion of Machanization of Coal Handling System, 40 % of the Coal handling would be handled by Semi-Mechanized mode only to cater to smaller customers.
- (b) The recommendations of CPCB, as the outcome of its comprehensive inspection and monitoring, conducted at the unit, and which has been directed by PPCC, has also been reviewed and the following are the compliance status.
- Cleaning of the Railway lines and Drainage, mending and replacement of Windscreens and Water sprinklers are ongoing and continuous activity.
 - Work orders has been issued for hardening of man-tipper area, for purchase of Vacuum Cleaning machines, Connecting the existing 3 Nos. of Continuous Online Ambient Air Quality Monitoring Systems to the server of CPCB
- (c) After inspecting the unit and the field condition, Chairman – PPCC, have ordered the unit to submit the following for the following reasons:
- The first and foremost priority, at this instance, is the completion of Mechanization of Coal Handling System, since the direction to comply with the same is as old as 2011.
 - The unit shall take diligent efforts to complete the erection and commissioning of the Mechanization of Coal Handling System, within 30.04.2018, as per the decision of the 152nd PPCC Meeting held on 08.09.2016.
 - The unit shall submit progress report of the erection and commissioning of the Mechanization of Coal Handling System, at the micro level, component wise and activity wise, every 15 days, depicting the actual micro level progress and activity chart, of the same, to PPCC, to enable close monitoring of the work in progress.
 - The unit shall prepare SOP's for the immediate and ongoing activities like Roads and Railways cleaning work, mending and replacement work of Wind Screens, etc., and shall submit the same to this Committee, on or before 31.12.2017.
- (d) We may direct the unit to comply with (c) above.

| Signatures of the Inspecting Official | | |
|---|---|---|
|  |  |  |
| Poogajendy C Junior Engineer | N. Ramesh Environmental Engineer | M. Dwarakanath Director / Member Secretary DSTE - PPCC |

F.No.10-42/2009-IA.III
Government of India
Ministry of Environment, Forests & Climate Change
(IA-III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road,
New Delhi - 110 003

Dated: 3rd February, 2015

To
The Assistant Vice President
(Port Operations),
M/s. Karaikal Port Pvt. Ltd.,
Keezhavanjore Village, T R. Pattinam,
Karaikal - 609 606, Puducherry
E-mail: vetrivelramados@nargggroup.com

Subject: Expansion of Karaikal Port (Phase-II) at Puducherry by M/s. Karaikal Port Pvt. Ltd. - Extension of validity of Environmental and CRZ Clearance reg.

Reference may be made to the letter No: KPPL/ENV/MoEF/025 dated 08.09.2014 and subsequent letter dated 08.10.2014 seeking extension of validity of Environmental and CRZ Clearance granted vide letter no. F.No.10-42/2009-IA-III dated 22.09.2009.

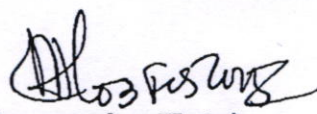
2. The proponent informed that while majority of the works in Phase II construction activities have been completed, some activities such as the completion of the Coal Mechanisation got delayed due to some unavoidable reasons such as the Right of Way (RoW) issues, availability of enhanced power allotment by the Puducherry Electricity Department (PED), the erection, testing, commissioning and the operation of the fully Mechanised coal Handling system. These issues have however been closed now with the PED having agreed to allot 5 MVA of power immediately. The balance dredging is also in progress. After the receipt of the power the Coal Mechanisation Project will be completed and parallelly the remaining dredging requirements will be met.

3. The issue was discussed by the EAC in its 138th meeting held on 29th September, 2014 - 1st October, 2014 and committee recommended for the extension of validity of the clearance dated 22.09.2009 for a period of three years. The Ministry of Environment, Forests & Climate Change hereby extends the validity of the Environmental and CRZ Clearance up to 21.09.2017.

4. All other conditions in the Environmental and CRZ Clearance no. 10-42/2009-IA-III dated 22.09.2009 remain unchanged.

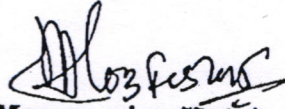
Received
17/02/15

EC_Ext_Karaikal_Port


(Dr. Manoranjan Hota)
Director
Page 1 of 2

Copy to:

1. The Secretary, Environment/Chairman, Puducherry Coastal Zone Management Authority/ Chairman, Puducherry Pollution Control Committee, Chief Secretariat, Puducherry-605 001.
2. The Chairman, CPCB, Parivesh Bhavan, CBD-cum- Office Complex, East Arjun Nagar, Delhi - 110 032.
3. Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forests and Climate Change, RO, 1st Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai - 34.
4. Director (EI), Ministry of Environment, Forests and Climate Change.
5. Guard File.


(Dr. Manoranjan Hota)
Director

**PUDUCHERRY POLLUTION CONTROL COMMITTEE
III FLOOR, HOUSING BOARD BUILDING, ANNA NAGAR
PUDUCHERRY - 605 005**

* * *

PH: 2201256 / 2203494

FAX: (0413) 2203494

FORM - II

**RENEWAL OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING
HAZARDOUS WASTES**

1. Number of authorization and date of issue of 7162 /PPCC/ HWM/JSA/2015/ ¹²⁶⁵ dated **7 DEC 2015**
2. Renewal of Authorisation is accorded to **M/s. Karaikal Port Private Limited.**, to operate a facility in the premises situated at Kheezhavanjoor Village, T.R. Pattinam, PB No. 33, Karaikal-609 606 for **collection, storage, and disposal** of Hazardous wastes as mentioned below to authorized re-processor of Hazardous wastes,

| Schedule No. | Name of the HW | Quantity in KLA /TPA | Method of Storage / Disposal |
|-------------------|---|----------------------|---|
| 5.1 of Schedule I | Used oil | 23.0 | Shall be stored in barrels and kept on the concrete floor and disposed through the authorized recyclers/ reprocessor. |
| 5.2 of Schedule-I | Waste residues containing oil (Oil soaked cotton waste) | 0.12 | -do- |
| | Total | 23.12 | |

3. This authorization is valid for **Five years.**
4. This authorisation is subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.
5. Records on Hazardous Waste shall be maintained in Form-3.
6. Annual Returns shall be submitted in Form-4 by 30th June every year and shall submit manifest in Form-13.

TERMS AND CONDITIONS OF AUTHORISATION

1. The occupier shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Puducherry Pollution Control Committee.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Puducherry Pollution Control Committee.
4. Any unauthorized change in personnel, equipment and working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.
5. It is the duty of the authorized person to take prior permission of the Puducherry Pollution Control Committee to close down the facility.

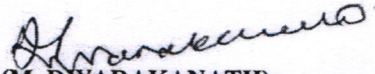
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P. Rajan
10/12/15

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6. An application for the renewal of the authorization shall be made as laid down in Rule 5(6) (ii) of Hazardous wastes (Management, Handling and Transboundary Movement) Rules, 2008.
 7. An application for the renewal of an authorization shall be made 90 days before the date of expiry.
 8. Puducherry Pollution Control Committee reserves the right to review impose additional condition or conditions, revoke, change or alter the terms and conditions of this authorization.
 9. The person authorized shall submit information on any accident that have occurred in handling of HW to Puducherry Pollution Control Committee. In Form-5 of the Hazardous wastes (Management, Handling and Transboundary Movement) Rules, 2008
 10. The person authorized shall take effective measures for conservation of resources and cleaner production technology to minimize the generation of HW.
 11. Any increase in quantity, change in category-handling operation shall be brought to the notice of the board and fresh authorization is to e obtained.
- GENERAL CONDITIONS FOR M/S. KARAIKAL PORT PRIVATE LIMITED., FOR
COLLECTION, STORAGE AND TRANSPORT OF HAZARDOUS WASTE**
12. The person authorized shall ensure that the HW are packed, based on the composition in a manner suitable for handling, storage and transport and the labeling and packaging shall be easily visible and be able to withstand physical conditions and climatic factors.
 13. The person authorized shall ensure that the packaging, labeling and transport of HW shall be in accordance with the provisions of the rules made by the central government under the Motor Vehicle Act, 1988 and containers shall be provided with a general label as given in Form-8.
 14. Half-yearly returns shall be submitted to this Authority as per the provisions of Batteries (Management & Handling) Rules, 2001.
 15. The person authorized shall obtain prior approval from authorized authorities / transport department before transport of HW and furnish the copy to the board immediately.
 16. If you are generating E-waste, as per the provisions of E-waste (Management & Handling) Rules, 2011, the authorized person shall obtain authorization from this Authority by applying in Form-I.
 17. The person authorized shall furnish the name and address of the person / industries from where the disposal / reprocessible HW are lifted.
 18. The person authorized shall close down the industrial activity in case of any complaint regarding environment damages or shift to the designated place.

JS *JS*

19. The person authorized shall inform the board within 30 days of receipt of this authorization, the name and address of all persons / industry who are lifting the HW from the industry.
20. The used oil and liquid HW shall be collected in leak proof containers and stored on an impervious platform provided with roof. There shall not be any leakage from storage area.


(M. DWARAKANATH)

Member Secretary
Puducherry Pollution Control Committee

To
M/s. Karaikal Port Private Limited.,
Kheezhavanjoor Village,
T.R.attinam, P.B.No. 33,
Karaikal.

Copy to:

1. The Junior Engineer,
Dept. of Science Technology and Environment,
Regional Office, Housing Board Building
Opp. to Anna College
Bharathiyar Road,
Karaikal. - For information.
2. Guard file.



No.7162 / PPCC / HWM / JSA / 2016/ / 548
PUDUCHERRY POLLUTION CONTROL COMMITTEE
III, FLOOR, HOUSING BOARD BUILDING, ANNA NAGAR, PUDHUCHERRY
* * *

Phone: (0413) 2201256

Fax : (0413) 2203494

Puducherry , the 16 FEB 2016

To
M/s Karaikal Port Private Limited.,
Kheezhavanjoor Village,
T.R.Pattinam,
PB. No.33, Karaikal - 609 606.

Sir,

Sub: PPCC - Amendment of authorization under Hazardous Waste
(Management, Handling and Transboundary Movement) Rules, 2008
- Reg.

Ref: (i) Renewal of authorization issued vide letter No.7162/ PPCC / HWM
/ JSA / 2015/1265/07.12.2015.

ii) Your letter No. KPPL/ENV/PPCC/192, dated 11.01.2016.

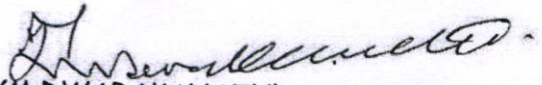
* * *

On request of your letter cited reference (ii) above, it is decided to make an amendment in the authorization issued by this Authority for inclusion of Hazardous waste category No.5.2 of Schedule -I of quantity 250 Kgs/Annum is as below:

| Sl.No. | Category | Name of Hazardous waste | Quantity Kgs/ Annum | Mode of disposal |
|--------|-------------------|---|---------------------|--|
| 1. | 5.2 of Schedule I | Waste residues containing oil (Foam pigs) | 250 | Shall be stored in HDPE barrels and kept on concrete floor under roof and disposed through the authorized persons. |

The other conditions / items remain unchanged.

For and on behalf of PPCC,


(M.D. WARAKANATH)
Member Secretary

Puducherry Pollution Control Committee

Copy to: Guard file.

Received
By: 20/02/16

FORM 1(a)
[See rule 11(3)]

**FORM FOR GRANTING AUTHORIZATION FOR
GENERATION/COLLECTION/TRANSPORTATION/STORAGE/REFURBISHMENT
/DISMANTLING/ RECYCLING/DISPOSAL OF e-WASTE**

1. (a) Authorization No.5135/PPCC/e-waste/JSA-II/ 2015/1059, dated **4 DEC 2015**
2. M/s **Karaikal Port Private Limited.**, is hereby granted an authorization for generation, collection, storage, transport and disposal of e-waste on the premises **situated at Kheezhavanjoor Village, T.R. Pattinam, PB No. 33, Karaikal.**
3. The authorization granted for **generation, collection, storage** and transport of e-wastes.
4. The authorization shall be in force for a **period of five years.**
5. The authorization is subject to the conditions stated below and the such conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.

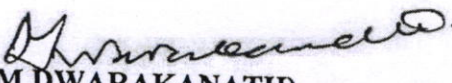
Terms and conditions of authorization

1. The stored e-waste shall be disposed through PPCC / SPCB authorized e-waste recyclers.
2. The authorization shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
3. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board or Committee of UT.
4. The person authorized shall not rent, lend, sell, transfer or otherwise transport the e-wastes without obtaining prior permission of the State Pollution Control Board or Committee of UT.
5. Any unauthorized change in personnel, equipment as working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
6. It is the duty of the authorized person to take prior permission of Puducherry Pollution Control Committee to close down the operations.
7. An application for the renewal of an authorization shall be made as laid down in Rule 4 (6) (ii).
8. Responsibilities of the e-waste producer:
 - I) Collection of e-waste generated during the manufacture of electrical and electronic equipment and channelizing it for recycling or disposal;
 - II) Collection of e-waste generated from the 'end of life' of their products in line with the principle of "Extended Producer Responsibility" and to ensure that such e-waste are channelised to registered dismantler or recycler. Producer shall as necessary, ensure collection and channelization by authorizing collection agencies.

*Received
to
GK-PPCC/2015/1059
10/12/15*

ds

- III) The unit shall maintain records in Form-2 of the e-waste handled and make such records available for scrutiny by the Puducherry Pollution Control Committee.
- IV) Filing Annual Returns in Form-3 to the Puducherry Pollution Control Committee, on or before the 30th day of June following the financial year to which that return relates.


(M.DWARAKANATH)
Member secretary (PPCC)

To
M/s Karaikal Port Private Limited.,
Kheezhavanjoor Village,
T.R.Pattinam,
P.B No. 33,
Karaikal - 609 606.

Copy to:
Guard file.

GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
PUDUCHERRY POLLUTION CONTROL COMMITTEE
 3rd Floor, PHB Building, Anna Nagar
 Puducherry - 605 005.

Phone : (0413) 2201256

Telefax : (0413) 2203494

AIR CONSENT ORDER (RENEWAL)

No. PPCC/CON/AIR/TRP/KKL/JE/2015/ 476

Puducherry, the 1 FEB 2016

Consent is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and orders made thereunder to **M/s. Karaikal Port Private Limited (Phase I & II)**, located at, **Keezhavanjore Village, T. R. Pattinam Commune, Karaikal**, authorizing them to operate their plant in the air pollution control area as notified subject to the conditions mentioned below:

I. Notwithstanding anything contained in any other Laws, Rules and Notifications, this Consent Renewal is purely given from the pollution angle.

II. Consent is valid upto : 30.09.2016

III. Manufacturing Products :

Multi - purpose port, permitted to handle different types of cargo, as mentioned below:

- | | |
|---|-------------|
| (a) Coal | - 6.0 MMTPA |
| (b) General Cargo {Textiles, Machinery, Timber, Steel, Containers, Granite, Marble Slabs, Iron Ore, Fertilizers, Clay, Gypsum, Limestone, Agro Products like Sugar, Red Chillies, Wheat, Corn etc., Salt and Cement (in Bags Only)} | - 2.0 MMTPA |
| (c) Crude Oil and Other Petroleum Products | - 1.0 MMTPA |
| (d) Edible Oil | - 2.5 MMTPA |

IV. (i) Size : Large (ii) Category : Red (iii) Location : Mixed (iv) Area : 602 Acres.

V. Specific Conditions:

1. For Handling of General Cargo, the following systems shall be regularly utilized to meet the standards:

- Cargoes as specified alone shall be handled and clearance from this Committee shall be obtained in case of any other items to be handled, afresh.
- Iron Ore shall be wetted by constant sprinkling of water to prevent dust emissions while handling.
- Fertilizers and Salt shall be handled in hoppers only and shall be carried to the closed warehouses in trucks covered by tarpaulins without any spillage due to transportation.
- Agro Products such as, Red Chillies, Sugar, Wheat, Corn etc., shall be handled with utmost care, with closed Hoppers and Closed Baggings in warehouses.
- Gypsum, Limestone and Clay shall be handled with care and shall be covered by tarpaulins during transportation to avoid any spillage.

2. To control fugitive emission at the Coal Stockyard the following systems shall be regularly utilized to meet the standards:

- Water Sprinklers provided all along the Stockyard area.
- Water Tanker with rear spreading bar and high pressure sprinkler nozzle.
- Any damage(s) to Dust Separation Wall with high resistant polymer meshes shall be immediately replaced.
- Coal shall be loaded in the trucks only in the wet condition after sprinkling water.
- The height of the Coal heaps shall not exceed 10 metres.
- Mobile mistifiers shall be operated throughout the time of handling Coal.
- The trucks transporting Coal out of the premises shall be subjected to wash using the Automated Tyre Wash System, before exiting the premises.
- The trucks transporting Coal out of the premises shall be covered using tarpaulins to avoid spillage of Coal on the roads.
- The Automated Ambient Air Quality Monitoring stations shall be operated round the clock and monthly consolidated reports shall be submitted to this Committee.

3. For Crude Oil and Other Petroleum Products:

- (a) There shall be no storage of crude oil and other petroleum products at any point of time inside the premises.
- (b) No Construction activities shall be carried out and the applicant shall not undertake any expansion, modernization, diversification, change of location, storage etc., without the prior approval / clearance from this authority.
- (c) Coast Guard approved Oil Spill Contingency Plan (OSCP) shall be strictly adhered to.
- (d) All the measures adopted in Oil Spill Risk Assessment (OSRA) and Environmental Management Plan (EMP) shall be strictly adhered to.
- (e) Fire fighting systems OISD (Oil Industries Safety Directorate) – 156 Standards shall be strictly adhered to.
- (f) Provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any fire hazard to human beings, other living creatures, plants and properties while handling hazardous substances shall be strictly adhered to.
- (g) Periodical mock drills, for all personnel to be involved in transportation of crude oil and petroleum products through pipeline, by updating their technical skills from time to time, so as to control actual leakage of hazardous materials in the quickest possible time, is mandatory.
- (h) The unit shall comply with the provisions of the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.

4. For Edible Oil:

- (a) Certified storage tanks shall be utilized for storing edible oil. The validity of the certifications, if any, shall be reviewed and updated, periodically.
- (b) There shall be no spillage of Oil, on land, in and around the premises.

5. The Ambient Air Quality within the premises shall not exceed the following standards:

| | | | |
|------------------|---|-----|-------------------|
| PM ₁₀ | – | 100 | µg/m ³ |
| SO ₂ | – | 80 | µg/m ³ |
| NO _x | – | 80 | µg/m ³ |

6. The noise level at the boundary shall not exceed 65 and 55 dB (A) during day and night time respectively.

7. For 2 x 500 KVA D.G. Set the unit shall comply with the standards for Diesel Generators notified under Environment (Protection) Rules, 1986.

VI. General Conditions:

1. Notwithstanding anything contained in this consent, the Puducherry Pollution Control Committee hereby reserves its right and power under Section 21 (4) of the Air (Prevention and Control of Pollution) Act, 1981 to **review / revoke** any or all the conditions imposed herein and to cancel, refuse, modify or stipulate additional conditions for the purpose of the Act by the Committee, if conditions of the consent granted are not fulfilled.
2. The application for renewal of consent shall be made at least 30 days before the date of expiry of this consent order.
3. This Consent (Renewal) Order shall be exhibited in the office room and must be made available to the inspecting officers of this Committee.
4. Housekeeping shall be properly maintained.

VII. For Better Environmental Management Practices:

1. Energy Conservation measures like installation of Energy Efficient Lighting System like LEDs for lighting the areas inside and outside the building shall be adopted. Used LEDs/CFLs/TFLs should be properly collected and disposed off / sent for recycling as per the prevailing guidelines / rules of the regulatory authority to avoid toxic contamination.
2. Use of Solar panels may be adopted to the maximum extent possible, especially for street lights within the campus.
3. Energy Audit and annual reduction pattern to be planned and intimated to this committee. The unit shall submit a report annually.





Air Consent Order (Renewal)

M/s. Karaikal Port Pvt. Ltd.

4. Systematic Plantation of suitable varieties of trees, shrubs and climbers etc., shall be done in phased manner, with plan budget over a period of years covering the entire available vacant area. The unit shall submit a report annually.

5. Appropriate rain water harvesting structures and Farm Ponds shall be established on scientific basis.

VIII. Implementation Schedule as per the decision of the 149th PPCC Meeting, held on 29.12.2015:

(i) For Mechanization of Coal Handling:

1. M/s. Karaikal Port Pvt. Ltd., must strictly adhere to the deadline of 30th September 2016, for Completion of the erection and commissioning of Mechanization of Coal Handling System, failing which M/s. Karaikal Port Pvt. Ltd., shall stop handling Coal, beyond 30th September 2016. No further extension of deadline will be entertained.

2. Further consideration of the Renewal of this Air Consent Order shall be considered, based on the completion of the erection and commissioning of Mechanization of Coal Handling System, by M/s. Karaikal Port Pvt. Ltd.

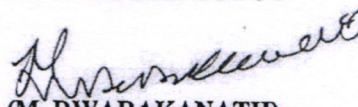
3. M/s. Karaikal Port Pvt. Ltd., shall install Online Monitoring System, for monitoring the parameters viz., CO, PM₁₀ and PM_{2.5} and the same shall be connected to the server of this Committee, on or before 30th April 2016.

(ii) For Enhancement of Water requirement from the existing 105 KLD to 350 KLD:

1. M/s. Karaikal Port Pvt. Ltd., shall obtain the clearance from the State Ground Water Unit & Soil Conservation, Puducherry for drawal of 350 KLD of water and shall submit the same to this Committee, on or before 30th April 2016.

2. M/s. Karaikal Port Pvt. Ltd., shall not construct additional Tanks or Storage Sumps for storage of water.

For & on behalf of PPCC



**(M. DWARAKANATH)
MEMBER SECRETARY**

PUDUCHERRY POLLUTION CONTROL COMMITTEE

To

✓ M/s. Karaikal Port Private Limited, P.B.No. 33, Karaikal – 609 602.

Copy to:

1. The Commissioner, T.R. Pattinam Commune Panchayat, T.R. Pattinam, Karaikal – 609 606.
2. Standing Guard File.

File
05/02/16

GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
PUDUCHERRY POLLUTION CONTROL COMMITTEE
3rd Floor, PHB Building, Anna Nagar
Puducherry - 605 005.

Phone : (0413) 2201256
Telefax : (0413) 2203494

WATER CONSENT ORDER (RENEWAL)

No. PPCC/CON/WTR/TRP/KKL/JE/2016/477

Puducherry, the 1 FEB 2016

Consent is hereby renewed for discharge of effluents to M/s. Karaikal Port Private Limited (Phase I & II), located at, Keezhavanjore Village, T. R. Pattinam Commune, Karaikal, under the Section 25 of the Water (Prevention and control of Pollution) Act, 1974 subject to the following terms and conditions:

I. Notwithstanding anything contained in any other Laws, Rules and Notifications, this Consent Renewal is purely given from the pollution angle.

II. Consent is valid upto : 30.09.2016

III. Manufacturing Products :

Multi - purpose port, permitted to handle different types of cargo, as mentioned below:

- | | |
|---|-------------|
| (a) Coal | - 6.0 MMTPA |
| (b) General Cargo {Textiles, Machinery, Timber, Steel, Containers, Granite, Marble Slabs, Iron Ore, Fertilizers, Clay, Gypsum, Limestone, Agro Products like Sugar, Red Chillies, Wheat, Corn etc., Salt and Cement (in Bags Only)} | - 2.0 MMTPA |
| (c) Crude Oil and Other Petroleum Products | - 1.0 MMTPA |
| (d) Edible Oil | - 2.5 MMTPA |

IV. (i) Size : Large (ii) Category : Red (iii) Location : Mixed (iv) Area : 602 Acres.

V. Specific Conditions:

1. For Handling of General Cargo, the following systems shall be regularly utilized to meet the standards:

- (a) Cargoes as specified alone shall be handled and clearance from this Committee shall be obtained in case of any other items to be handled, afresh.
- (b) Iron Ore shall be wetted by constant sprinkling of water to prevent dust emissions while handling.
- (c) Fertilizers and Salt shall be handled in hoppers only and shall be carried to the closed warehouses in trucks covered by tarpaulins without any spillage due to transportation.
- (d) Agro Products such as, Red Chillies, Sugar, Wheat, Corn etc., shall be handled with utmost care, with closed Hoppers and Closed Baggings in warehouses.
- (e) Gypsum, Limestone and Clay shall be handled with care and shall be covered by tarpaulins during transportation to avoid any spillage.

2. To control fugitive emission at the Coal Stockyard the following systems shall be regularly utilized to meet the standards:

- (a) Water Sprinklers provided all along the Stockyard area.
- (b) Water Tanker with rear spreading bar and high pressure sprinkler nozzle.
- (c) Any damage(s) to Dust Separation Wall with high resistant polymer meshes shall be immediately replaced.
- (d) Coal shall be loaded in the trucks only in the wet condition after sprinkling water.
- (e) The height of the Coal heaps shall not exceed 10 metres.
- (f) Mobile mistifiers shall be operated throughout the time of handling Coal.
- (g) The trucks transporting Coal out of the premises shall be subjected to wash using the Automated Tyre Wash System, before exiting the premises.
- (h) The trucks transporting Coal out of the premises shall be covered using tarpaulins to avoid spillage of Coal on the roads.
- (i) The Automated Ambient Air Quality Monitoring stations shall be operated round the clock and monthly consolidated reports shall be submitted to this Committee.

B
Continued in Page No. 02 -

3. For Crude Oil and Other Petroleum Products:

- (a) There shall be no storage of crude oil and other petroleum products at any point of time inside the premises.
- (b) No Construction activities shall be carried out and the applicant shall not undertake any expansion, modernization, diversification, change of location, storage etc., without the prior approval / clearance from this authority.
- (c) Coast Guard approved Oil Spill Contingency Plan (OSCP) shall be strictly adhered to.
- (d) All the measures adopted in Oil Spill Risk Assessment (OSRA) and Environmental Management Plan (EMP) shall be strictly adhered to.
- (e) Fire fighting systems OISD (Oil Industries Safety Directorate) – 156 Standards shall be strictly adhered to.
- (f) Provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any fire hazard to human beings, other living creatures, plants and properties while handling hazardous substances shall be strictly adhered to.
- (g) Periodical mock drills, for all personnel to be involved in transportation of crude oil and petroleum products through pipeline, by updating their technical skills from time to time, so as to control actual leakage of hazardous materials in the quickest possible time, is mandatory.
- (h) The unit shall comply with the provisions of the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.

4. For Edible Oil:

- (a) Certified storage tanks shall be utilized for storing edible oil. The validity of the certifications, if any, shall be reviewed and updated, periodically.
- (b) There shall be no spillage of Oil, on land, in and around the premises.

5. The maximum daily water requirement / effluent discharge shall not exceed the following (in KLD):

| | Requirement | Discharge |
|----------------------------------|-------------|-----------|
| Domestic | 40.0 | 40.0 |
| Supply to Ships | 100.0 | - |
| Gardening | 40.0 | - |
| Fire Service & Pollution Control | 160.0 | - |
| Miscellaneous | 10.0 | - |

6. The quantity of water utilized shall be submitted to this Committee in Form – I regularly for the payment of Water Cess.

7. The domestic wastewater treated in Sewage Treatment Plant shall be used for gardening purpose.

VI. General Conditions:

1. Notwithstanding anything contained in this conditional letter or Consent the Puducherry Pollution Control Committee reserves to it the right and power under Section 27 (2) of the Water (Prevention and Control of Pollution) Act, 1974 to review / revoke any one or all the conditions imposed herein and to make such variations as deemed fit for the purpose of the Act by the Committee, if the conditions of the consent are not fulfilled.

2. The applicant shall make an application for renewal of consent in the prescribed form at least 30 days before the date of expiry of the Consent or 30 days before the new or altered outlet is proposed to be commissioned and / or a new discharge is proposed to be made, whichever is earlier.

3. This Consent (Renewal) Order shall be exhibited in the office room and must be made available to the inspecting officers of this Committee.

4. Housekeeping shall be properly maintained.

VII. For Better Environmental Management Practices:

1. Energy Conservation measures like installation of Energy Efficient Lighting System like LEDs for lighting the areas inside and outside the building shall be adopted. Used LEDs/CFLs/TFLs should be properly collected and disposed off / sent for recycling as per the prevailing guidelines / rules of the regulatory authority to avoid toxic contamination.

Water Consent Order (Renewal)

M/s. Karaikal Port Pvt. Ltd.

2. Use of Solar panels may be adopted to the maximum extent possible, especially for street lights within the campus.
3. Energy Audit and annual reduction pattern to be planned and intimated to this committee. The unit shall submit a report annually.
4. Systematic Plantation of suitable varieties of trees, shrubs and climbers etc., shall be done in phased manner, with plan budget over a period of years covering the entire available vacant area. The unit shall submit a report annually.
5. Appropriate rain water harvesting structures and Farm Ponds shall be established on scientific basis.

VIII. Implementation Schedule as per the decision of the 149th PPCC Meeting, held on 29.12.2015:

(i) For Mechanization of Coal Handling:

1. M/s. Karaikal Port Pvt. Ltd., must strictly adhere to the deadline of 30th September 2016, for Completion of the erection and commissioning of Mechanization of Coal Handling System, failing which M/s. Karaikal Port Pvt. Ltd., shall stop handling Coal, beyond 30th September 2016. No further extension of deadline will be entertained.
2. Further consideration of the Renewal of this Air Consent Order shall be considered, based on the completion of the erection and commissioning of Mechanization of Coal Handling System, by M/s. Karaikal Port Pvt. Ltd.
3. M/s. Karaikal Port Pvt. Ltd., shall install Online Monitoring System, for monitoring the parameters viz., CO, PM₁₀ and PM_{2.5} and the same shall be connected to the server of this Committee, on or before 30th April 2016.

(ii) For Enhancement of Water requirement from the existing 105 KLD to 350 KLD:

1. M/s. Karaikal Port Pvt. Ltd., shall obtain the clearance from the State Ground Water Unit & Soil Conservation, Puducherry for drawal of 350 KLD of water and shall submit the same to this Committee, on or before 30th April 2016.
2. M/s. Karaikal Port Pvt. Ltd., shall not construct additional Tanks or Storage Sumps for storage of water.

For & on behalf of PPCC



(M. DWARAKANATH)

MEMBER SECRETARY

PUDUCHERRY POLLUTION CONTROL COMMITTEE

To

✓ M/s. Karaikal Port Private Limited, P.B.No. 33, Karaikal – 609 602.

Copy to:

1. The Commissioner, T.R. Pattinam Commune Panchayat, T.R. Pattinam, Karaikal – 609 606.
2. Standing Guard File.

EXTRACT OF.

Minutes of the 21st Meeting of Expert Appraisal Committee (Infra-2) for Projects related to All Ship Breaking Yard including Ship Breaking Unit, Airport, Common Hazardous Waste Treatment, Storage and Disposal Facilities, Ports and Harbours, Aerial Ropeways, CETPs, Common Municipal Solid Waste Management Facility, Building/Construction Projects, Townships and Area Development Projects held on 21-24 August, 2017 in the Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, New Delhi – 3.

Day 1: Wednesday, 21st August, 2017

21.1 Opening Remarks of the Chairman

At the outset, Chairman welcomed the members of the Expert Appraisal Committee (Infra-2). Thereafter, agenda items were taken up for discussion. The deliberations held and decisions taken are as under.

21.2 Confirmation of the Minutes of the 20th Meeting of the EAC held on 26-28 July, 2017 at New Delhi.

The minutes of the 20th Expert Appraisal Committee (Infra-2) meeting held during 26-28 July, 2017 were confirmed with the following corrections.

| Agenda No. | Minuting | Correction/To be read as |
|------------|--|--|
| 20.4.8 | Title of the Project 'Chakradhar Nagar residential project' on plot bearing S.No. 74/2/3, 90, 85/1 to 8, 86/5/6/7, 117 B/1 to 4, at village Achole and Nilemore, District Palghar (Maharashtra) | Title of the Project Chakradhar Nagar (Residential Project) at S. No. 74/2/3, 90, 85/1 to 8, 86/5/6/7, 117 B/1 to 4, 32A, 38(pt), 411, 117 at village Achole, Nilemore, Sopara & Ghass, Tal-Vasai, District Palghar (Maharashtra) |
| 20.4.17 | Para (vi) the non-biodegradable waste generated (0.154 TPD) | Para (vi) the non-biodegradable waste generated (0.205 TPD) |
| | Construction phase condition (xii) As proposed, 7 nos. of rain water harvesting pits shall be provided as per CGWB guidelines. | As proposed, 2 nos. of rain water recharge pits and 2 nos. of rain water tanks shall be provided as per CGWB guidelines. |
| | Construction phase condition (xiv) Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power. | Solar based electric power equivalent to two bulbs/light and one fan per flat shall be provided on the roof top and connected to the grid. As proposed, central lighting and street lighting shall also be based on solar power and connected to the grid. |

| | |
|---------|--|
| | <p><i>The Committee noted that maximum validity for any project may be of 10 years. In view of the above and being satisfied with the submission of the Project Proponent and progress of the project, the Committee recommended the project for extension of validity for 2 more years i.e. up to 13.11.2017 to 12.11.2019. The Committee also advised the Project Proponent to complete the work in the extended time.</i></p> |
| 21.5.15 | <p>Expansion of Karaikal Port Phase-II at Puducherry by M/s Karaikal Port Pvt. Ltd. - Extension of validity of Environmental and CRZ Clearance (IA/PY/MIS/26984/2009; F. No. 10-42/2009-IA-III)</p> <p>The project proponent made a presentation and provided the following information to the Committee:-</p> <ul style="list-style-type: none"> (i) The Karaikal Port is a Greenfield, deepwater, multi-purpose all-weather sea port being developed on Build, Operate and Transfer format under Public Private Partnership with the Government of Puducherry in terms of the concession agreement awarded by it to us in January 2006. (ii) The port is being developed in Phases and as a part of the Phase II development three more berths have been added and the handling capacity enhanced to 20.5 MMTPA; Environment Clearance No 10-42/2009-IA-III dt. 22nd September 2009. The EAC had given an extension for a further period of three years vide letter F-10-42/2009/IA.III dated 03.02.2015. (iii) Phase II implementation got delayed due to some unavoidable reasons such as the Right of Way (RoW) issues, availability of enhanced Power allotment by the Puducherry Electricity Department (PED), and as result the erection, testing, commissioning and the operation of the fully Mechanised coal Handling system. (iv) These issues have however, been resolved now and we are in the process of remobilization of the contractors to start the held up project. The original vendors some of whose teams have international experts have been called back to restart the work and deployment of resources has begun. Integration of the different packages is an herculean task and will require about 12 to 18 months more to complete the same. (v) Hence it is requested for the Time Extension of the validity of the EC dated 22.09.2009 extended upto 21.09.2017 (vide letter F-10-42/2009/IA.III dated 03.02.2015) be extended for a further period of two years to complete the various components of the Phase II project. <p><i>The Committee discusses the project in detail. Committee noted that Environmental & CRZ Clearance was granted vide letter No. 10-42/2009-IA-III dated 22nd September 2009 for the project. The MoEF&CC vide order dated 03.02.2015 have extended validity of the EC&CRZ for the project by 3 (three) years from 22.09.2014 to 21.09.2017.</i></p> <p><i>The Committee noted that maximum validity for any project may be of 10 years. In view of the above and being satisfied with the submission of the Project Proponent and progress of the project, the Committee recommended the project for extension of validity for 2 more years i.e. up to 22.09.2017 to 21.09.2019.</i></p> |
| 21.5.16 | <p>Bifurcation of Existing CRZ/EC and its amendments of Kattupalli Shipyard cum Port on the name of L&T Shipbuilding (LTSB) and Marine Infrastructure Developer Private Limited (MIDPL) by M/s. L&T Shipbuilding Limited -Amendment in Environmental and</p> |

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ANNEXURE-5

karaikal port



Ref No: KPPL/ENV/PPCC/2017/ 55

Dated: 09.01.2018

To
The Member Secretary,
Puducherry Pollution Control Committee,
Department of Science, Technology & Environment,
Puducherry - 605 005.

Sub: Direction under the provision of the Environment (Protection) Act, 1986

Ref: No. PPCC/DIR/COM/TRP/KKL/JE/2017/1248 dated 29th Dec 2017

PPCC/DIR/CPCB/COM/TNR/KKL/JE/2017/764 dated 04th Sep 2017

KPPL/ENV/PPCC/2017/40 dated 14th Sept 2017

Dear Sir,

This has reference to the above referred letter of directions dated 29th Dec, 2017 received in our office on 3rd Jan 2018 which has a reference to the directions dated 04th Sept, 2017 and our reply of Time Bound Action Plan dated 14th Sept, 2017. We reiterate that we shall be implementing the same as per the implementation plan submitted vide the above referred letter dated 14th Sept, 2017 and there will not be any deviations in any of the activities as envisaged today. A point wise compliance of the same will be submitted in the first week of Feb, 2018.

With respect to the instant directions dated 29th Dec, 2017 we submit the following for your favorable consideration.

- (i) **First and Foremost Priority, at this instance, is the completion of Mechanisation of Coal Handling System** since the direction to comply with the same is as old as 2011: KPPL initiated steps for Mechanisation of Coal Handling System in the year 2009. Vendor technical evaluation was carried out in the year 2010 and awarded the work in 2010. The same got interrupted due to various reasons such as RoW, Power availability, etc which have been communicated to the PPCC vide various communication since then. After having overcome all such road blocks with cooperation and facilitation from the PPCC, KPPL is now in position to complete the Mechanisation of Coal Handling system. As there was an interlude in the Project

KARAIKAL PORT PRIVATE LIMITED

CIN: U45203PY2006PTC001945

Registered Office

Corporate Office

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Chettinad Business Chamber, 3rd Floor, Dr. Radhakrishnan Salai, 5th Street (Near AVM Rajeswari Marriage Hall)
Mylapore, Chennai 600 004. Tel. : +91 44 4562 2000 Fax : +91 44 4562 2082

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activity some challenges have cropped up which are being addressed with right earnest.

- (ii) The unit shall take diligent efforts to complete the erection and commissioning of the Mechanisation of Coal Handling System, within 30.04.2018 as per the decision of 152nd PPCC meeting held on 08th Sept, 2016.: A letter of undertaking with an assurance that the Coal Handling quantity will not exceed 10 million MTPA in the present method of conventional handling and that the Ambient Air Quality will be maintained was submitted to the PPCC. The decision to renew the Consent to Operate till 30th April 2018 was taken with the said conditions. A Bank Guarantee for the same was submitted. In the meantime a visit by the CPCB team had carried out a study in and around the port and have found that even with the conventional method of operations the Port is able to meet the Ambient Air Quality norms. One of the reasons might be the low volumes of Coal cargo handled (much less than 10 million MTA). The consequence of this study is some Directions from the PPCC for which we have given the Time Bound Action Plan and intend to stick to the same. As a result of this all necessary efforts were started in right earnest and the progress of the same along with the Time Table was submitted. Monthly progress reports on Mechanisation are being submitted to the PPCC.
- (iii) The unit shall submit progress report of the erection and commissioning of the Mechanisation of Coal Handling System, at the micro level, component wise and activity wise, every 15 days, depicting the actual micro level progress and activity chart, of the same to the PPCC to enable close monitoring of the work in progress.: Basis the 152nd PPCC meeting KPPL was submitting a monthly report showing the progress of the various activities of the Project on Mechanisation of Coal Handling System. We shall henceforth arrange to send the same on 15 days basis at a more micro level, component wise progress. We have asked for the same from the vendors which has yet to be submitted by them. The same shall be sent to the PPCC on receipt from the vendors. We shall also make a presentation to the Committee on this subject when received from them and convenient to the PPCC.



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- (iv) The unit shall prepare SOPs for the immediate and ongoing activities like Road cleaning work, mending and replacement work of Wind Screens etc and shall submit the same to this committee on or before 31.12.2017. Road and railway line cleaning, mending and replacement works of Wind Screens etc which are a routine activities are a part of the Procedure Manual of the Environment Department under the ISO 14001 2015. The same are attached herewith.

We invite your reference to the visit of the Chairman, Member Secretary of PPCC and other officials to the Karaikal Port site on the 7th Dec 2017 who were shown around the project site to appraise them of the actual progress Project on the ground. Further, the general Ambient Air Quality is also within the norms. In spite of the challenges for a project of this size, especially working with different Vendors (including specialists from abroad), refurbishing erected equipment, ensuring they work together to synchronize their activities for project completion the PPCC may also appreciate the efforts made by the Port in terms of the investment and the time so far in making the Mechanisation of Coal Handling System a success.

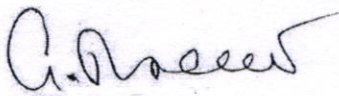
In view of the above efforts and the assurance of compliance of the directions vide communication dated 4th Sept 2017; we request that a review be done in the month of Feb/ March 2018 wherein a further progress in the Project will be demonstrated. In the meantime we request that the renewal of the Consent be made vide the decision of the 152nd meeting of the PPCC.

We would remain highly obliged for your kind consideration.

Thanking you.

Yours Sincerely,

For Karaikal Port Pvt Ltd.,


(Director)



Encl: As above



INTEGRATED MANAGEMENT SYSTEM

**Standard Operating Procedures (SOP's) linked
with Procedure Manual - Environment**



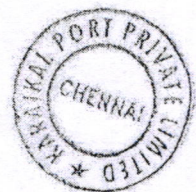
Standard Operating Procedure for Road / Railway Track cleaning (Out side of Port)

1. A representative from EHS will take rounds to the Road / Railway outside of the Port premises. If it is realized that the road /Railway needs cleaning; the same will be informed to the coordinator in CSR.
2. In general the frequency of cleaning of road/ railway outside of the Port is on monthly basis.
3. The coordinator will coordinate with the Road / Railway Cleaning Team and fix up the date & time after finalizing the same with Head EHS & CSR.
4. The said cleaning activity (Date and time) will be communicated to the Railway, Revenue Divisional Officer (RDO) of the Concern Division if required.
5. Vendors/ Cleaning Team has been instructed by us to be with the necessary arrangements/ equipments / Man Power / other aids for the said cleaning activities.
6. Before start of the Cleaning activities on the identified Roads/ Railway, the necessary safety aids will be supplied by Karaikal Port to the vendors/ Cleaning Team.
7. Along with the coordinator the cleaning activity will be executed carefully without affecting the public transportation.
8. After completion of the cleaning activity representative from CSR will fill a register (KPPL/ENV/ROAD/CLN/2017/01 / KPPL/ENV/RAIL/CLN/2017/01) which is duly signed by the coordinator and EHS representative.
9. Coordinator will communicate the job completion status to Head EHS by way of filled register.



Standard Operating Procedure for Road Cleaning (Inside & Out Side of Port Operational Areas)

1. In general the frequency of cleaning of roads (in & outside of operational areas) is on routine/ daily basis.
2. Road sweeping machine is being used to clean the roads, Outside of operational areas & Mechanical road cleaning equipment called John Deer is being used to clean the roads, inside of operational areas.
3. The said cleaning work will be initiated on daily/ routine basis by the Civil and Admin department respectively.
4. Cleaning activity will start from Maingate at morning hours on daily basis. The security officer will note down the Date, Time & machine engine opening hours .The same will be recorded in the Log sheet / Trip sheet and the Security officer will sign on the log sheet.
5. During the operation of said cleaning machines, places like customs gate & outside of main gate (Near High way) concern security guards will sign on the Log / Trip sheet each and every rounds/ trips.
6. After completion of the cleaning activity Security officer at Maingate/ customs gate will note down the Time, machine engine closing hours. The same will be recorded in the Log sheet / Trip sheet and will be signed by the security.



Standard Operating Procedure for Wind Screens Maintenance/ Replacement

1. In general the frequency of repair works will be carried out throughout the year and as when as required.
2. Representative from Environment department will take rounds to the operational areas if found that screens to be repaired or replaced same will be informed to Civil Maintenance department.
3. Repairing works will be initiated by Civil department, work will be executed by identified contractors and monitoring of the same will be done by Environment department.
4. The required materials for repairing works will be procured through Commercial department and adequate stocks will be maintained by Civil Maintenance department.
5. The said work will be completed by the identified contractors with the supervision of Civil incharge . The job completion status will be communicated to the Environment department by Civil dept.
6. Quantities of Maintenance/ Replacement records are maintained after completion of the work.



Reply After Channel Visit