



सत्यमेव जयते

## State Level Environment Impact Assessment Authority-Karnataka

(Constituted by MoEF, Government of India, under section 3(3) of E(P) Act, 1986)

No. SEIAA 12 IND 2015

Date: 14-07-2016

To,

M/s. Raftaar Terminals Pvt. Ltd.,  
P.O Box No.1333  
#4/152, Laxman Building, NH-66,  
Kottara Chowki, Mangaluru- 575006

Sir,

Sub: Establishment of Tank Terminal facility for storage of Naphtha and Motor Spirit at Survey No's 46-1(P), 47-2(P), 47-3(P), 47-7(P1), 47-7(P2), 47-8(P), 47-13(P), 47-14(P), 47-15, 47-16(P), 47-3(P), 47-9(P), 47-10(P), 47-7(P3), Thannirbhavi, Mangaluru, Dakshina Kannada District of M/s. Raftaar Terminals Pvt. Ltd - Issue of Environmental Clearance - Reg.

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This has reference to your application dated 27<sup>th</sup> January 2015 and 16<sup>th</sup> June 2015 addressed to SEIAA, Karnataka and subsequent letters addressed to SEIAA/SEAC, Karnataka seeking prior environmental clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of the provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Application in Form 1, Pre feasibility Report, EIA Report on Establishment of Tank Terminal facility for storage of Naphtha and Motor Spirit and the additional clarifications furnished in response to the observations of the SEAC, Karnataka in its meetings held on 26<sup>th</sup> & 27<sup>th</sup> May 2016 and SEAC has recommended for issue of Environmental Clearance. The Karnataka State Coastal Zone Management Authority (KSCZMA) has recommended the proposal for issue of Environmental Clearance during the meeting held on 5<sup>th</sup> April 2016.

The proposal is for storage the following Products:

Tank No.	Products	Storage Capacity in M <sup>3</sup>	Type of Tank
103	Naphtha	5,375	Fixed cone type with internal Floating roof
104	Naphtha	5,375	Fixed cone type with internal Floating roof





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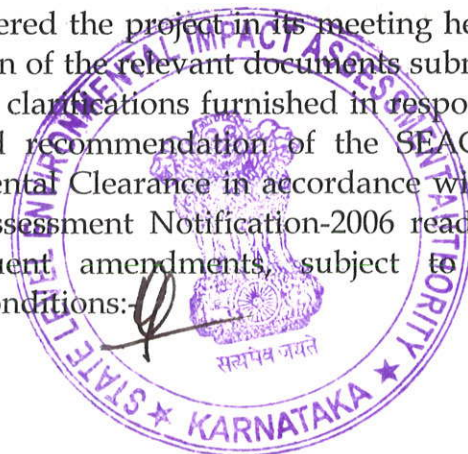
105	Motor Spirit	5,375	Fixed cone type with internal Floating roof
106	Motor Spirit	5,375	Fixed cone type with internal Floating roof
<b>Total</b>		<b>21,500</b>	

2. It is, inter-alia, noted that M/s. Raftaar Terminals Pvt. Ltd have proposed Tank Terminal facility for storage of Naphtha and Motor Spirit of total capacity 21,500M<sup>3</sup>. The total plot area is 25,091.4 Sqm (6.2Acres), out of which 7,095.84Sqm area is for Tank farm area, 853.24Sqm are earmarked for Roads & Drains, 1,505.4Sqm area is for Utilities, 6,980.42Sqm area is for Paved area, 8,656.5 Sqm (34.5%) areas is for green belt. Total water consumption is 10 KLD will be met from Mangalore City Corporation. The domestic sewage shall be treated in the proposed STP capacity of 10 KLD. Power requirement is 1000KW met from MESCOM. DG set of 1 No X 125 KVA will be installed for emergency power back-up. The total solid waste generated shall be 8Kg/day. Organic of quantity 3.2 Kg/Day shall be segregated at source and composted and inorganic of quantity of 4.8Kg/day shall be handed over to KSPCB/MCC Authorized recyclers. The total cost of the project is Rs.48.39 Crores.

3. The project proposal has been considered by SEAC on 19<sup>th</sup> & 20<sup>th</sup> March 2015 and ToRs were issued on vide letter dated 31<sup>st</sup> March 2015 for conducting Environment Impact Assessment Study. The EIA has been conducted by M/s Hubert Enviro care Systems Pvt. Ltd., #18, 92<sup>nd</sup> Street, Ashok Nagar, Chennai-600083 who are accredited from NABET vide No. NABET/ EIA/ RA017/049. The proponents have submitted the EIA report on 3<sup>rd</sup> September 2015.

4. Based on the information submitted by you and the presentation made by Environmental consultant, M/s Hubert Enviro care Systems Pvt. Ltd., #18, 92<sup>nd</sup> Street, Ashok Nagar, Chennai-600083 in association with M/s. Eco chem sales and Services, Ashoka pavilion-A, Opp. Kapadia health club, New civil road, Surat-395001, Gujarat who are accredited from NABET vide No. NABET/ EIA/ 1417/SA2 002 Valid up to March 10, 2017. The State Level Expert Appraisal Committee (SEAC) examined the proposal during the meeting held on 26<sup>th</sup> & 27<sup>th</sup> May 2016, and has recommended for issue of Environmental Clearance

5. The SEIAA Karnataka has considered the project in its meeting held on 17<sup>th</sup> June 2016 and after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations and the appraisal and recommendation of the SEAC and KSCZMA, decided to accord Environmental Clearance in accordance with the provisions of Environmental Impact Assessment Notification-2006 read with CRZ Notification, 2011 and subsequent amendments, subject to strict compliance of the following terms and conditions:-





**A- SPECIFIC CONDITIONS**

1. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended time to time shall be followed by the unit.
2. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 should be followed.
3. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry of Environment and Forests, GoI vide G.S.R. 414(E) dated 30<sup>th</sup> May, 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed.
4. The total waste water generation shall not exceed 7 KLD. The domestic sewage shall be treated in the proposed STP of capacity 10KLD.
5. Total water requirement from Mangalore City Corporation water supply shall not exceed 10 KLD and prior permission shall be obtained from the concerned Authority. No ground water shall be used.
6. Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> September, 2009. The levels of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, VOC shall be monitored in the ambient air and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF - Bangalore, SEIAA - Karnataka, the respective zonal office of CPCB and the KSPCB.
7. The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF - Bangalore, SEIAA - Karnataka, the respective zonal office of CPCB and the KSPCB. The levels of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO and VOC (ambient levels) shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.
8. Bottom sludge and Spillages from the storage tanks shall be disposed off through Authorized agencies as per Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016
9. The Company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 for management of hazardous wastes and prior permission from KSPCB shall be obtained for disposal of solid / hazardous waste to the TSDF. The concerned company shall undertake measures for firefighting facilities in case of emergency.



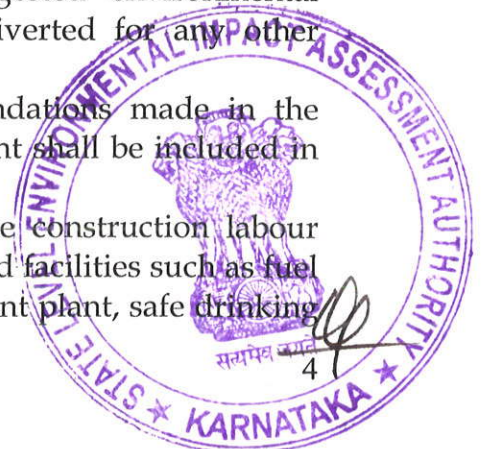


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10. In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits stipulated by the KSPCB.
11. No effluent shall be discharged outside the premises of the facility and "Zero" discharge concept shall be adopted.
12. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/KSPCB guidelines.
13. During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.
14. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the OISD 117 norms.
15. The plant shall have automatic fire fighting system with hydrant system with hydrant and monitors located as per OISD guidelines. Proper safety measures as prescribed by OISD 144 and OISD 150 shall be undertaken. All the network in and around tank farm area shall be designed as per OISD 117 requirements.
16. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
17. Usage of Personal Protection Equipment's by all employees/ workers shall be ensured.
18. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
19. Green belt shall be developed in at least 33% of area with suitable species of the plants as per the CPCB guidelines to mitigate the effects of fugitive emissions. Selection of plant species shall be as per the CPCB guidelines.
20. The adequate financial provisions shall be made in the budget of the project for implementation of the above suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.
21. The company shall comply with the recommendations made in the EIA/EMP/Risk assessment report. Risk assessment shall be included in the safety Manual.
22. Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking





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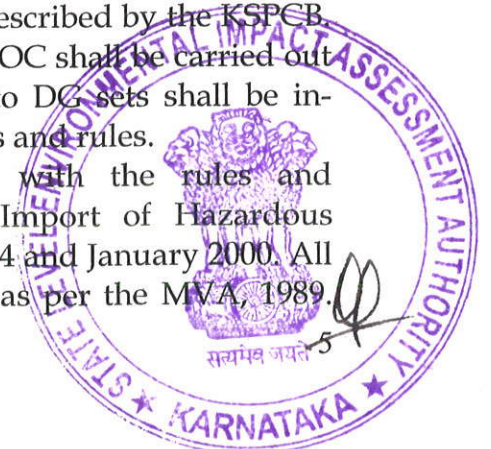
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water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.

23. Adopts Good Management Practices (GMP).
24. Storage facilities for the fuel shall be made in the plant area in consultation with Department of Explosives, Nagpur. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of Fuel.
25. Dedicated parking facility for loading of materials shall be provided in the premises of the facility. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
26. The Project proponent also shall earmark at least 5 % of the total cost of the project towards the corporate social responsibility and item-wise details along with time bound action plan shall be prepared and submitted to the Authority.
27. The project proponent shall ensure proper supervision at both ends of jetty line with continuous patrolling, Also leakage in the pipe line shall be monitored by providing requisite Pressure gauges and good condition valves.

**B. GENERAL CONDITIONS:**

1. The project authorities shall strictly adhere to the stipulations made by the Karnataka State Pollution Control Board (KSPCB).
2. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
3. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA/Ministry of Environment and Forests as the case may be. In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
4. The emissions of (PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, VOC) from DG Set and from flare stack shall conform to the standards prescribed by the KSPCB. Regular monitoring of Ambient Air for HC and VOC shall be carried out as per CPCB guidelines. Stack height attached to DG sets shall be in conformance with the environment protection acts and rules.
5. The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January 2000. All transportation of Hazardous Chemicals shall be as per the MVA, 1989.





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- Authorization from the KSPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.
6. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016. Authorization from the KSPCB must be obtained for collection/treatment/ storage/disposal of hazardous wastes.
  7. Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for lighting and heating should be provided. Details in this regard should be submitted to the SEIAA.
  8. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, Rules, 1989 viz. DBA (day time) and 70 dBA (night time).
  9. The project proponent shall also comply with all the environmental protection measures and safeguards as per the information provided.
  10. The implementation of the project vis-à-vis environmental action plans shall be monitored by MoEF, Regional Office at Bangalore / KSPCB/ CPCB, Regional Director, Mangaluru and the Department of Environment & Ecology, Bangalore. A six monthly compliance status report shall be submitted to monitoring agencies.
  11. The project proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the KSPCB and may also be seen at Website of the Authority at <http://www.seiaa.kar.nic.in> or <http://www.seiaa.karnataka.gov.in>, <http://environmentclearance.nic.in> This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the MoEF Regional Office at Bangalore / KSPCB/ CPCB, Regional Director, Mangaluru and the Department of Environment & Ecology, Bangalore.
  12. The project authorities shall inform the MoEF Regional Office at Bangalore / KSPCB/ CPCB, Regional Director, Mangaluru and the Department of Ecology and Environment, Bangalore, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.



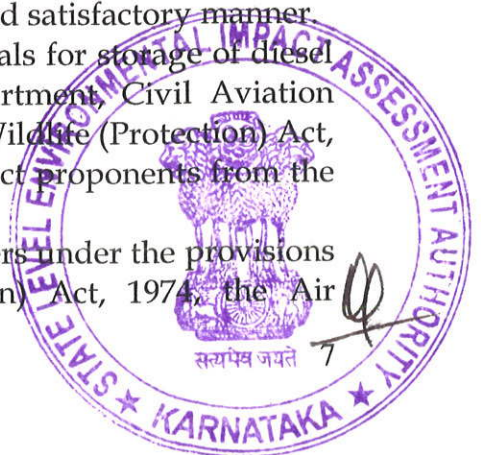


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13. The SEIAA, Karnataka may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
14. The SEIAA, Karnataka reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
15. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
16. The project proponent shall strictly adhere to the provisions of CRZ Notification No. S. O. 19(E) dated 06.01.2011, amended from time to time.
17. The issue of Environment Clearance doesn't confer any right to the project proponent to operate / run the project without obtaining statutory clearances / sanctions from all other concerned Authorities.
18. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environmental (Protection) Act, 1986.
19. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
20. Officials from the Department of Environment and Ecology, Bangalore/ Regional Office of MoEF, Bangalore who would be monitoring the implementation of Environmental safeguards should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF / SEIAA should be forwarded to the APCCF, Regional Office of MoEF, Bangalore/ Department of Ecology and Environment, Bangalore/ Regional Director, Mangaluru, KSPCB Bangalore.
21. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
22. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
23. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the competent authorities.
24. These stipulations would be enforced among others under the provisions of water (Prevention and Control of Pollution) Act, 1974, the Air



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(Prevention and Control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

25. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found that construction of the project has been started without obtaining environmental clearance.



Yours faithfully,

*(Handwritten Signature)*  
(RAMACHANDRA) 14/7/16  
Member Secretary,  
SEIAA - Karnataka.

Copy to:

- 1) The Secretary, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi- 110 003.
- 2) The Member Secretary, Karnataka State Pollution Control Board, Bangalore.
- 3) The APCCF, Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, IV Floor, E & F wings, 17<sup>th</sup> Main Road, Koramangala II Block, Bangalore - 560 034.
- 4) Regional Director (Environment) Department of Environment and Ecology, Government of Karnataka, 1<sup>st</sup> Floor, Corporation Commercial Complex, Mangalore, Dakshina Kannada.
- 5) Guard File.