



छत्तीसगढ़ पर्यावरण संरक्षण मंडल

पर्यावास भवन, नार्थ ब्लॉक, सेक्टर-19,

नवा रायपुर, अटल नगर (छ.ग.) 492002

ई-मेल- hocecb@gmail.com

क्रमांक 9948 / मुख्या. / वैज्ञा. / छ.ग.प.सं.म. / 2020 नवा रायपुर, अटल नगर, दिनांक 7/2/2020
प्रति,

✓ क्षेत्रीय अधिकारी,
क्षेत्रीय कार्यालय,
छ.ग. पर्यावरण संरक्षण मंडल,
रायपुर / दुर्ग-भिलाई / विलासपुर / कोरबा / रायगढ़ / अंबिकापुर /
संगदलपुर (छ.ग.)

विषय :- Guideline for Setting Up of New Petrol Pumps in Compliance of Hon'ble NGT order dated January 18, 2019 in OA No. 86/2019: Gyanprakash@Pappu Singh vs Gol & Ors-regarding.
संदर्भ :- केन्द्रीय प्रदूषण नियंत्रण बोर्ड का पत्र क्रमांक B-13011/2019-20/AQM/10806 दिनांक 07.01.2020

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उपरोक्त पत्र का अवलोकन हो। (गाईड लाईन की छायाप्रति संलग्न) केन्द्रीय प्रदूषण नियंत्रण बोर्ड, नई दिल्ली से प्राप्त पत्र के अनुक्रम में लेख है कि उक्त पत्र के माध्यम से केन्द्रीय प्रदूषण नियंत्रण बोर्ड, नई दिल्ली ने मान. नेशनल ग्रीन ट्रिब्यूनल, प्रिंसिपल बेंच, नई दिल्ली के द्वारा ओ.एन. 86/2019 में पारित आदेश दिनांक 18.01.2019 के परिपालन हेतु नवीन स्थापित होने वाले पेट्रोल पंप के लिये गाईड लाईन तैयार की गई है। तत्संबंध आपको निर्देशित किया जाता है कि आप अपने कार्यक्षेत्र के अंतर्गत स्थापित होने वाले नये पेट्रोल पंप में उक्त गाईड लाईन के अनुसार क्रियान्वयन सुनिश्चित करें एवं की गई कार्रवाही से मंडल मुख्यालय को अवगत कराये।

संलग्न - उपरोक्तानुसार।



सदस्य-सचिव
छत्तीसगढ़ पर्यावरण संरक्षण मंडल,
नवा रायपुर, अटल नगर (छ.ग.)

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CENTRAL POLLUTION CONTROL BOARD

DELHI 110 032

B-13011/1/2019-20/AQM 10809

January 07, 2020

OFFICE MEMORANDUM

Sub: Guidelines for Setting Up of New Petrol Pumps in Compliance of Hon'ble NGT order dated January 18, 2019 in OA No. 86/2019: Gyanprakash@ Pappu Singh vs Gol & Ors -regarding.

Hon'ble National Green Tribunal, vide order dated January 18, 2019 in OA No. 86/2019: Gyanprakash@ Pappu Singh vs Gol & Ors directed Central Pollution Control Board and MoPNG to look into the issue of setting up of large number of petrol pumps in the country and directed that appropriate guidelines be issued by the Central Pollution Control Board in exercise of statutory power.

An Expert Committee comprising of members from IIT Kanpur, NEERI, IIP, TERI, MoPNG and CPCB was constituted to frame Guidelines for setting up of new Petrol Pumps including siting criteria and pollution prevention and control measures.

The guidelines were placed in public domain and comments/suggestions/objections were invited from public and concern stakeholder and these were reviewed and guideline have been finalised.

The final Guidelines prepared by Expert Committee are hereby circulated for implementation by concerned stakeholders. These guidelines are hereby issued with the approval of the Competent Authority.



(V.K. Shukla)
Additional Director, AQM Div.

Encl.: As Above

- To
1. As per List Enclosed

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List of Stakeholders

1.	The Member Secretary Andhra Pradesh State Pollution Control Board D. No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalmvari Street, Kasturibaipet, Vijayavada-520010	2.	The Member Secretary Arunachal Pradesh State Pollution Control Board 'Paryavaran Bhawan', Yashil Road, Pappu Nallah, Suhelajain - 791113 Arunachal Pradesh
3.	The Member Secretary Assam State Pollution Control Board Bamuninaidan, Guwahati - 781021 Assam	4.	The Member Secretary Bihar State Pollution Control Board Parvesh Bhawan, Plot No.S-B-2, Patliputra Industrial Area, Patna-800023
5.	The Member Secretary Chhattisgarh Environment Conservation Board Paryavas Bhawan, North Block Sector-19 Naya Raipur - 492 099 Chhattisgarh	6.	The Member Secretary Goa State Pollution Control Board Nr. Pileme Industrial Estate, Opp. Saligao Seminary Saligao - Hardoi Goa - 403511
7.	The Member Secretary Gujarat State Pollution Control Board Sector 10-A, Gandhi Nagar - 382043 Gujarat	8.	The Member Secretary Haryana State Pollution Control Board C-11, Sector 6, Panchsala, Haryana 134109 Haryana
9.	The Member Secretary Himachal Pradesh State Pollution Control Board Paryavaran Bhawan, Phase III, New Shimla 171009 Himachal Pradesh	10.	The Member Secretary J&K State Pollution Control Board, Parvesh Bhawan, Forest Complex, G.D. Sarwal, Transport Nagar, Jammu (J&K)
11.	The Member Secretary Jharkhand State Pollution Control Board T.A Building, HEC Campus, P.O. Dhurwa Ranchi - 834004 Jharkhand	12.	The Member Secretary Karnataka State Pollution Control Board Parvash Bhawan, 4 th & 5 th Floors, Church Street, Bangalore - 560 041 Karnataka
13.	The Member Secretary Kerala State Pollution Control Board Plamoodu Junction, Pattam Palace P.O. Thiruvananthapuram - 695004 Kerala	14.	The Member Secretary Maharashtra State Pollution Control Board Kulputra Point, J&K 4 th Floor, Sion Matunga Scheme Road No. 6 Opp. Cine Planet, Sion Circle, Sion (E), Mumbai - 400 022, Maharashtra
15.	The Member Secretary Madhya Pradesh State Pollution Control Board Paryavaran Parisar, E-5 Aera Colony Bhopal - 462016 Madhya Pradesh	16.	The Member Secretary Manipur State Pollution Control Board Lamphegat, Imphal West D.C. Office Complex - 795004 Manipur
17.	The Member Secretary Meghalaya State Pollution Control Board Arden, Lumpyngngao, Shillong - 793014 Meghalaya	18.	The Member Secretary Mizoram State Pollution Control Board New Secretariat Complex, Khada, Thlanmual Bldg., Aizawl Mizoram 796001
19.	The Member Secretary Nagaland State Pollution Control Board Signal Point, Dimapur, Nagaland 797112 Nagaland	20.	The Member Secretary Odisha State Pollution Control Board Paribesh Bhawan A-118, Nilakanta Nagar, C-III, Bhubaneswar - 751012 Odisha
21.	The Member Secretary Punjab State Pollution Control Board Nabha Road, ITI Rd, Adarsh Nagar, Prem Nagar, Patiala - 147001 Punjab	22.	The Member Secretary Rajasthan State Pollution Control Board A-4 Institutional Area, Jhalane Durgri Jaipur - 302004 Rajasthan
23.	The Member Secretary Sikkim State Pollution Control Board State Land Use & Environment Cell Govt. of Sikkim, Deorali, Gangtok., Sikkim	24.	The Member Secretary Tamil Nadu State Pollution Control Board No. 76, Mount Salai, Guindy, Chennai - 600032, Tamil Nadu

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25.	The Member Secretary Telangana State Pollution Control Board Paryavaran Bhavan A-3, Industrial Estate, Sanath Nagar, Hyderabad 500 018 Telangana	26.	The Member Secretary Tripura State Pollution Control Board Parivesh Bhawan Pt. Nehru Complex, Govt. Basti P.O., Kunjaban, Agartala, West Tripura - 799 006 Tripura
27.	The Member Secretary Uttarakhand Environment Protection & Pollution Control Board 29/20, Nemi Road, Dehradun 248001 Uttarakhand	28.	The Member Secretary Uttar Pradesh State Pollution Control Board 3 rd floor, PICUP Bhawan, Vibhuti Khand, Gomi Nagar, Lucknow 226010 Uttar Pradesh
29.	The Member Secretary West Bengal State Pollution Control Board Paribesh Bhavan Building, No.10-A, Block I.A, Sector 3, Salt Lake City, Kolkata 700 091, West Bengal	30.	The Member Secretary Delhi Pollution Control Committee, Government of N.C.T. Delhi 4th Floor, ISBI Building, Kasturba Camp, Delhi-110006
	The Member Secretary Andaman & Nicobar Islands Pollution Control Committee, Department of Science & Technology, Dollygunj Van Sadan, Haddo P.O., Port Blair 744102	32.	The Member Secretary Chandigarh Pollution Control Committee, Paryavaran Bhawan, Ground Floor, Sector 19 B, Madhya Marg, Chandigarh
33.	Member Secretary Daman, Diu & Dadra Nagar Haveli Pollution Control Committee, Office of the Deputy Conservator of Forests, Moti Daman, Daman 396220	34.	Member Secretary Lakshadweep Pollution Control Committee, Department of Science, Technology & Environment, Kayaraji-682555
35.	Member Secretary Pondichery Pollution Control Committee, Housing Board Complex, Anna Nagar, Pondichery-605 005	36.	Joint Secretary (Marketing) Ministry of Petroleum and Natural Gas, Govt. of India Shastri Bhawan, New Delhi - 110001
37.	Chief Controller of Explosives Petroleum and Explosive Safety Organization (PESO) A Block CGO Complex Fifth Floor Seminary Hills Nagpur-(Maharashtra) -440006	38.	Director Legal Metrology Ministry of Consumer Affairs, Food and Public Distribution Deptt. of Consumer Affairs, Room No.461-A, Krishna Bhawan, New Delhi - 110 001
39.	The Chairman, M/s. Bharat Petroleum Corporation Limited Bharat Bhavan, 4 and 6 Currimbhoy Road Ballard Estate, Mumbai 400 001.	40.	The Chairman, M/s. Hindustan Petroleum Corporation Limited Petroleum House, 17, Janshodh Tatu Road, Mumbai Maharashtra 400020
41.	The Chairman, M/s. Indian Oil Corporation Limited Indian Oil Bhawan, G9, Ali Yavar Jung Marg Bandra East, Mumbai, Maharashtra 400 051	42.	The Chairman and Managing Director, M/s. Shell India Pvt. Ltd Plot No. 7, Bangalore Hardware Park, Devanahalli Industrial Park Mahadeva Kodigehalli Bangalore-562 109, Karnataka
43.	The Chairman and Managing Director, M/s. Reliance Industries Limited, Maker Chambers - IV Nariman Point Mumbai 400 021	44.	Chairman M/s. Nayara Energy Limited (Formerly Essar Oil Limited) 5th Floor, Jet Airways Goshop BKC, Plot No. C-68, G Block Bandra Kurla Complex, Bandra East Mumbai-400 051
45.	General Manager (International Trade), Mangalore Refinery and Petrochemicals Limited, Core - 8, 7th Floor, Scope Complex, Lodhi Road, New Delhi - 110003		

GUIDELINES FOR SETTING UP OF NEW PETROL PUMPS

A. Containment and treatment of spillages from fuel filling operations at petrol pumps:

1. Petrol pumps located in areas with high groundwater table i.e. groundwater levels less than 04 meters shall have secondary containment by way of double walled tanks or concrete protection walls so as to minimize groundwater and soil contamination. It shall be the responsibility of OMC to properly get measured groundwater level at the site of proposed petrol pump and ensure implementation of these adequate protection measures for such sites. Details of measures taken by Oil Marketing Company shall be placed in public domain and in case of contradictory view, view of State/ Central Ground Water Board/ Authority will prevail.
2. All new retail outlets shall have underground tanks/ above ground tank and its ancillary components such as pipes, flexible connectors, pumps, fittings etc. protected from leaks due to corrosion by adopting materials (HDPE/ Mild Steel etc.) with required protective coating, as applicable, duly approved by PESO.
3. Any major leakage/ spillage of Petrol, Diesel, Lube Oil (more than 1 barrel-165 litres) occurs at fueling station, concerned OMC shall report to State Pollution Control Board, PESO and District Administration under intimation to CPCB within 24 hours of occurrence.

Operation of concerned underground storage tank (UST) and its ancillary components shall be stopped immediately and not be resumed till corrective measures to contain and stop leakage/ spillages are implemented to the satisfaction of PESO and concerned SPCB.

OMCs will be held liable for Environmental Compensation (imposed by SPCBs/PCCs) and assessment of environmental damage (depending on extent of contamination in soil and groundwater) and site remediation. Consultant/ Expert agency appointed by OMCs for damage assessment and site remediation shall have minimum national/ international experience of 5 years in this field. Various approved methods shall be considered for cleaning underground contaminants.
4. All DUs shall have Auto Cut off Nozzles which shuts dispensation of fuel if its level in customer fuel tank reaches full capacity.
5. Breakaways to be installed for all the hoses of dispensing units to reduce spillage in the event of customer vehicles moves away with nozzle still in the fueling position.

6. Single/ double plane swivel with breakaway coupling shall be installed for all the dispensing units for better positioning of nozzle while refueling so that it does not fall off accidentally.
7. In pressurized dispensation, all dispensing units shall be installed with shear valves to cut the fuel flow from pipe line immediately upon accidental knocking of dispensing units from its position.
8. In pressurized system all Submersible Turbine Pumps (STPs) are to installed with line leak detectors and in the event of pipeline leaks STPs shall stop pumping fuel from underground tanks.
9. Emergency stop button switch shall be provided on the Multi-Product Dispenser (MPD) to stop the dispensation in case of emergency.
10. Automation system shall be installed at all new retail outlets to alert in case of tank leak by way of auto gauging system approved by PESO.
11. All Retail Outlets shall provide overfill alarm through automation.
12. Measures for spill containment in fill point chambers and forecourt area shall be implemented as prescribed by PESO.

B. Check on leakages (Leakage Detection System) from underground storage tanks so as to prevent groundwater and soil contamination:

1. All new retail outlets will have automation system installed which will provide reports on volume balance after every day operation and records shall be maintained.
2. Manual gauging shall be done once in a month and compare the same with Automatic Tank Gauging for accuracy.
3. Daily MS and HSD loss shall not exceed MoPNG prescribed limits. In case of leakage beyond such limits, matter shall be got analyzed by OMCs and further action shall be taken for ascertaining the reasons of losses. In case of leakage resulting in soil / groundwater contamination.
 - a. Concerned OMC shall report to State Pollution Control Board, PESO and District Administration under intimation to CPCB within 24 hours of occurrence. Operation of such underground storage tank (UST) and its ancillary components shall be stopped immediately.
 - b. Fuel shall be removed immediately from underground storage tank to prevent further release to environment. Measures to prevent explosion due to vapors released due to leakage as recommended by PESO shall be implemented immediately.

- c. OMCs will be held liable for Environmental Compensation (imposed by SPCBs/PCCs) and assessment of environmental damage (depending on extent of contamination in soil and groundwater) and site remediation. Consultant/ Expert agency appointed by OMCs for damage assessment and site remediation shall have minimum national/ international experience of 05 years in this field. Various approved methods shall be considered for cleaning underground contaminants.
 - d. Operation of Underground tank and its ancillary components shall not be resumed till corrective measures to contain and stop leakages are implemented to the satisfaction of PESO and concerned SPCB.
4. All underground tanks and pipelines shall be subjected to test for leaks every 7 years.

C. Policy towards Treatment and disposal of sludge removed from underground tanks during cleaning:

Sludge shall be collected, stored and disposed as per Rule 8 of Hazardous Waste (Management and Transboundary) Rules, 2016 and amendments thereof and records shall be maintained.

D. Installation, Operation and maintenance of Vapour Recovery System:

1. All new retail outlets set up with sale potential of 300KL MS per month and setting up in cities with population more than 1 lakh will be provided with VRS. VRS should be functional by the time of sale of MS touch 300 KL. In case of failure of installation of VRS, Environment Compensation will be levied by SPCBs/ PCCs equivalent to the cost of VRS and this will further increase proportionate to the period of non-compliance.
2. Any new retail outlet set up in cities having population more than 10 lakh and having sale potential of 100 KL MS per month will be provided with VRS. VRS should be installed within a period 03 months from the day of sale of MS touch 100 KL. In case of failure of installation of VRS, Environment Compensation will be levied by SPCBs/ PCCs equivalent to the cost of VRS and this will further increase proportionate to the period of non-compliance.
3. In case of Stage II VRS, nozzle shall be provided with flexible cover flap or other alternative system for proper covering of filling tank and therefore proper recovery of vapors.
4. OMCs are responsible for maintaining installed VRS. They have to maintain periodic inspections for A/L regulator as prescribed by Legal Metrology. Proper record shall be maintained.

5. Working of dispenser shall be interlinked with VRS functioning. Online system shall be developed within 06 months to monitor status of operation of VRS. In case of non-operation of VRS, the same shall be automatically reported to concerned OMC. VRS shall be brought into operation immediately within 24 hrs and in any case within 72 hrs failing which sale of MS shall be stopped from the fueling station. Proper records of operation of VRS shall be maintained.
6. Work zone monitoring for Total VOC and Benzene shall be conducted by OMCs for petrol pumps selling more than 300 KL/ month and more than 10 lakh population (in first phase) by E(P)Act, 1986 approved labs once in a year to check compliance with OSHA norms (Time-Weighted Average) and report shall be submitted to SPCB. In addition, pilot study shall be conducted by OMCs through expert institutions for online monitoring of VOCs.
- E. Ground water and soil quality monitoring within petrol pump selling more than 300 KL/ month and more than 10 lakh population shall be conducted by OMCs once in two years through E(P)Act, 1986 approved labs for the following parameters from the nearest source and report submitted to SPCB:

Permissible Limit

Sr.No.	Parameter	Permissible Limit
1.	Total petroleum hydrocarbons	600µg/l
2.	BTEX	i. Benzene- 950µg/l ii. Toluene- 300µg/l iii. Xylenes- a. o-xylene- 350µg/l b. m & p- xylene- 200µg/l
3.	Ethanol	1400 µg/l
4.	Methyl Tertiary Butyl Ether	13µg/l
5.	PAH	0.0001µg/l

Enforcement agencies including SPCB can collect samples in and around petrol pump to check contamination.

F. Measures for protection of Worker's Health

- 1. All workers engaged at retail outlets may be covered under ESI. OMC dealers shall implement the personal protective equipment (PPE) as per labor laws.
- 2. IEC (Information Education Communication) activities should be organized by OMC dealers for workers at regular intervals in order to sensitize them about harmful impacts of VOC emissions.

G. Audit of all protection measures and monitoring system implemented at petrol pumps:

PESO shall conduct audit of tanks and fuel equipment including pipes, overfill protection equipment and alarm system on annual basis and maintain records.

H. Siting criteria of Retail Outlets:

In case of siting criteria for petrol pumps new Retail Outlets shall not be located within a radial distance of 50 meters (from fill point/ dispensing units/ vent pipe whichever is nearest) from schools, hospitals (10 beds and above) and residential areas designated as per local laws. In case of constraints in providing 50 meters distance, the retail outlet shall implement additional safety measures as prescribed by PESO. In no case the distance between new retail outlet from schools, hospitals (10 beds and above) and residential area designated as per local laws shall be less than 30 meters. No high tension line shall pass over the retail outlet.

These guidelines are supplementary to all existing relevant Rules, Guidelines, Orders etc.

Item No. 06

Court No. 1

**BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI**

Original Application No. 86/2019

Gyanprakash @ Pappu Singh

Applicant(s)

Versus

Union of India & Ors.

Respondent(s)

Date of hearing: 18.01.2019

**CORAM: HON'BLE MR. JUSTICE ADARSH KUMAR GOEL, CHAIRPERSON
HON'BLE MR. JUSTICE S.P. WANGDI, JUDICIAL MEMBER
HON'BLE MR. JUSTICE K. RAMAKRISHNAN, JUDICIAL MEMBER
HON'BLE DR. NAGIN NANDA, EXPERT MEMBER**

For Applicant(s):
For Respondent(s):

ORDER

The issue raised in this application is to limit number of petrol pumps so as to avoid adverse impact on the environment.

The applicant has referred to news item dated 24.12.2018 in 'Live Mint' under the heading "Indian Oil, HP and BP's plan to open 80,000 petrol pumps hits land hurdle" to submit that large number of petrol pumps are being opened without any concern for environment and without any guideline about sustainability of such large number of petrol pumps.

Reference has been made to the guidelines issued by Indian Road Congress "General Conditions of Siting" laying down distance from the highways and distance between the two fuel stations. Photographs of unregistered and indigenously assembled vehicles have also been filed, with further averments that such vehicles create air pollution and safety hazardous.