



NI - 13 /Korba/14
Dated - 12/03/14

CHHATTISGARH ENVIRONMENT CONSERVATION BOARD
Commercial Complex, C.G. Housing Board Colony,
Kabir Nagar, Raipur (C.G.) 492 099

No. 5738/TS/CECB/2014

Raipur, dated: 12/03/2014

To,

The Chief Construction Manager,
M/s Indian Oil Corporation Limited,
Paradip-Raipur-Ranchi Pipeline Project,
A-13, Sector-1, Awanti Vihar,
District - Raipur - 492 006 (C.G.)

Sub: - Permission to establish for POL (Petroleum-Oil-Lubricant) Terminal by M/s Indian Oil Corporation Limited at Village-Gopalpur, Tehsil-Katghora, District-Korba (C.G.).

Ref.: - 1. Environmental Clearance issued by Ministry of Environment and Forests, Government of India vide letter no. J-11011/8/2011-IA II (I), dated: 24/10/2013.

2. Your application No. PRRPL/RAI/CONST/337, dated 14/02/2012 and subsequent correspondence ending dated 01/02/2014.

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Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act, 1974, and the Air (Prevention and Control of Pollution) Act, 1981 and without reducing your responsibilities under the said Act, and after going through your proposal for achieving the effluent and gaseous emission standards, it is to inform you that this Board grants you permission only for establishment of POL (Petroleum-Oil-Lubricant) Terminal for the following product wise tankage proposed at Village-Gopalpur, Tehsil-Katghora, District-Korba (C.G.) subject to fulfillment of the terms and conditions mentioned below:-

S.N.	Tank No.	Product	Size of Tanks	Nominal Capacity (KL)
1.	HSD-1	HSD	34M DIA x 13M HT.	11628
2.	HSD-2	HSD	34M DIA x 13M HT.	11628
3.	HSD-3	HSD	26M DIA x 14.5M HT.	7672
4.	MS-1	MS	26M DIA x 16M HT.	7389

5.	MS-2	MS	26M DIA x 16M HT.	7389
6.	MS-3	MS	16M DIA x 15M HT.	2614
7.	SKO-1	SKO	14M DIA x 15M HT.	2301
8.	SKO-2	SKO	14M DIA x 15M HT.	2301
9.	SKO-3	SKO	14M DIA x 15M HT.	2301
10.	ETHANOL-1	ETHANOL	4.12M DIA x 15 M HT.	200
11.	ETHANOL-2	ETHANOL	4.12M DIA x 15 M HT.	200
12.	-	Transmix Tank	10M DIA x 9 M HT.	-
13.	MS-4	MS	26M DIA x 16 M HT.	7389
14.	HSD-4	HSD	34M DIA x 13M HT.	11628
GRAND TOTAL				74640

Additional Conditions: -

1. The industry shall comply with all the terms and conditions of Environmental Clearance given by Ministry of Environment and Forests, Government of India vide letter no. J-11011/8/2011-IA II (I), dated: 24/10/2013.
2. Industry shall provide adequate facility for proper treatment of industrial and domestic effluent generated. Industry shall modify/upgrade the existing effluent treatment plant as per the proposal submitted to the Board along with the application. Industry shall ensure that the treated effluent quality meet the standards prescribed by Board published in Gazette Notification dated 25/03/88. Industry shall provide proper arrangement of suitable drains/pipe networks to ensure adequate flow for full utilization of treated effluent generated inside the premises. Treated effluent shall be utilized either in process or for land application only. No effluent shall be discharged outside of the factory premises in any circumstance. The major parameters of treated effluent shall conform the limits as follows :-

a	pH	5.5 - 9.0
b	BOD (Max.)	100 mg/L
c	Total Dissolved Solid (Max.)	2100 mg/L
d	Suspended Solids (Max.)	100 mg/L

Chhattisgarh Environment Conservation Board may further stipulate stringent limit depending upon environmental conditions.

3. Adequate measuring arrangement for the measurement of water utilized in different categories and effluent generated shall be provided before commissioning of the plant.

4. Industry shall install proper air pollution control equipments of adequate capacity at all points of emission before commissioning of the plant. Emission of particulate matters from various sections shall not exceed prescribed limits under any circumstances after commissioning of the plant. Pollution control equipments shall always keep running and in good working order all the time. In case of any failure it shall be immediately rectified or same alternate arrangement to be made.
5. Industry shall provide suitable air pollution control equipments of adequate capacity at all points of emission and shall ensure that the particulate matter emission shall not exceed 50 mg per Nm³ under any circumstance. The height of stack shall be based on formulae $H=14(Q)^{0.3}$ (Where Q is emission rate of SO₂ in Kg/hr and H is stack height in meters) as per guidelines of Ministry of Environment & Forests, Govt./Central Pollution Control Board based on micro meteorological data (which ever is more) with arrangement of stack monitoring shall be provided. The height of other stacks shall not be less than 30 meters also. Chhattisgarh Environment Conservation Board may further stringent particulate matter emission limit depending upon environmental conditions.
6. Industry shall install separate electric metering arrangements for the running of pollution control devices. These arrangements shall be made in such a fashion that any non-functioning of pollution control devices shall immediately stop the electric supply to the production/fuel supply unit and shall remain tripped till such time the pollution control device/devices are made functional again.
7. Ambient air quality within the mine lease area shall not exceed the standards prescribed by the Board. Industry shall ensure the concentration of pollutants in ambient air within standards prescribed for residential, rural areas in the nearby residential/rural areas due to establishment/ commissioning of the plant. Industry shall follow provisions of notification issued by Ministry of Environment & Forests, Government of India in this regard from time to time.
8. Ambient air quality monitoring stations shall be established (at least four) in the core zone as well as buffer zone for SPM, PM₁₀, PM_{2.5}, NO_x, SO₂ and CO. Location and number of the ambient air quality stations shall be decided based on meteorological data, topographical features and environmentally and ecologically sensitive targets and the frequency of monitoring shall be undertaken in consultation with the Board.

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9. Industry shall make all necessary arrangements such as firefighting equipments, leakage sniffing systems etc. to follow all safety norms of the concerned regulatory departments.
10. Industry shall submit ON SITE EMERGENCY PLAN duly approved from the concerned department within a period of one month.
11. Industry shall comply with the provisions of Manufacture, Storage and Import of Hazardous Chemical Rules, 1989.
12. Industry shall obtain authorization from Board for management and handling of Hazardous Materials (Management, Handling and Transboundary Movement) Rules, 2008.
13. All internal roads shall be made pucca before commissioning of the plant. Good house keeping practices shall be adopted by industry.
14. Industry shall provide proper arrangement to control the noise pollution. Industry shall install appropriate noise barriers/control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation to control the noise. The ambient noise level shall not exceed 75 dB (A) during daytime and 70 dB (A) during nighttime within factory premises.
15. Extensive tree plantation with local plant species at all around the factory premises and in the open areas available within the factory premises shall be carried out as per the proposal submitted to the Board along with the application. Adequate wide green belt of local species shall be developed all along the periphery of plant premises. Industry shall acquire additional land for this purpose as per requirement. Industry shall abide by the decisions taken by Ministry of Environment and Forests, Government of India / Central Pollution Control Board/ State Government / Chhattisgarh Environment Conservation Board from time to time in this regard.
16. Industry shall submit Environment Statement to this Board as per provision of Environment (Protection) amendment Rule, 1993 for the previous year ending 31st March on or before 30th September every year.
17. Industry shall adopt rain water harvesting system for recharge of ground water. Industry shall develop rainwater harvesting structures to harvest the rain water for utilization in the lean season as well as to recharge the ground water table.
18. Industry shall use fly ash bricks, fly ash blocks or fly ash based products for their construction/repairing activities.

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19. Industry shall establish an environmental management cell to carryout function relating to environmental management under the supervision of senior executive who will directly report to the head of organization. Industry shall setup laboratory facility for collection and analysis of environmental samples under the supervision of competent technical personnel.
20. Necessary fund shall be provided for implementation of the above conditions and conditions to be incorporated in the 'Consent to Establish' of the Board and for environmental up-gradation/protection. The funds earmarked for environmental protection measures shall be kept in separate account and not diverted for any other purpose.
21. Industry shall obtain statutory clearances/licenses from concerned Central Government/State Government Departments, Boards, Bodies and Corporations etc. before establishment of the plant. Industry shall follow direction issued by Ministry of Environment and Forests, Government of India/ State Government/ Central Pollution Control Board/Chhattisgarh Environment Conservation Board from time to time regarding control of water & air pollution and for environmental conservation.
22. The issuance of permission to establish of Board does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.
23. Any change in product, production capacity, process, raw materials used, project profile etc. shall be intimated to the Board and prior permission of the Board shall be obtained for the same.
24. This permission to establish shall be valid for a period of five years effective from the date of issue of this letter. This permission to establish shall be treated as cancelled in case; no construction activity takes place on the site regarding establishment of the project during this period. Chhattisgarh Environment Conservation Board reserves the right to extend the validity period / not to extend the validity period/ cancel /withdraw the permission to establish of the project, based on the construction activities carried out on the site regarding establishment of the project.
25. Board reserves the right to amend/cancel any of the above conditions, stringent the emission/effluent limits stipulated above and add new conditions as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.

The consent (for operation) as required under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 shall be granted to your industry after fulfillment of all the conditions mentioned above. For this purpose you shall have to make an application to this Board in the prescribed Performa at least two months before the expected date of commissioning of the plant. The applicant shall not without valid consent (for operation) of the Board bring into use any out let for the discharge of effluent and particulate matter/gaseous emission.

For & on behalf of
Chhattisgarh Environment Conservation Board

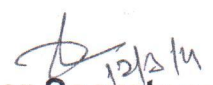

Member Secretary
Chhattisgarh Environment Conservation Board
Raipur (C.G.)

Endt. No. 5739 /TS/CECB/2014

Raipur, Dated: 12/3/2014

Copy to: -

- 1- Chief Engineer, M/s Chhattisgarh State Power Generation Company Ltd. (Formerly known as Chhattisgarh State Electricity Board), Korba for information and necessary action please. The power supply to the unit shall be released only after submission of the copy of "**Consent to Operate**" issued by Chhattisgarh Environment Conservation Board, Raipur.
- 2- Regional Officer, Regional Office, Chhattisgarh Environment Conservation Board, Korba. Please ensure compliance and report, if any condition/conditions are violated by the industry.


Member Secretary
Chhattisgarh Environment Conservation Board
Raipur (C.G.) 