



File No. J-11011/162/2017-IA II(I)
Government of India
Ministry of Environment, Forest & Climate Change
Impact Assessment Division

Indira Paryavaran Bhawan,
Jal Wing, 3rd Floor, Aliganj,
Jor Bagh Road, New Delhi-110 003

Dated: 15th October, 2020

To,

M/s Balkrishna Industries Limited,
Village-Paddhar, Taluka-Bhuj,
District-Kutch, Gujarat

Sub: Addition of 20 MW Turbine & Stand by Flare System with Carbon Black Manufacturing Facility M/s Balkrishna Industries Limited located at Block Survey No. 470 & associated, Village-Paddhar, Taluka-Bhuj, District-Kutch, Gujarat - Consideration of Environment Clearance regarding.

Sir,

This has reference to your online proposal No. IA/GJ/IND2/168987/2019 dated 21th August, 2020 for environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to Addition of 20 MW Turbine & Stand by Flare System with Carbon Black Manufacturing Facility M/s Balkrishna Industries Limited located at Block Survey No. 470 & associated, Village-Paddhar, Taluka-Bhuj, District-Kutch, Gujarat.

3. The details of products and capacity as under:

S.No.	Particulars	Unit	Details			Impact
			Existing Operational	Proposed	Total after expansion	
1	Tyre & Tube (Non-EC Product)	TPM	10000	5000	15000	Increase
2	CPP	MW	20	20	40	Expansion
3	Carbon Black [Product covered under 5(e) of EIA notification 2006]	TPM	11500	0	11500	No change

4. Existing land area is 1,212,560 m² and proposed expansion will be done on the same land area only. Industry has already developed greenbelt in an area of 33 % i.e., 403727 m² out of the total plot area of the project. The estimated existing project cost is Rs 3823 Crores, out of which the existing project cost of Tyre & Tube Plant is Rs 3,365 Crores, the existing project cost of Carbon Black Plant is Rs 287 Crore, the existing project cost of Power Plant is Rs 131 Crores and the existing cost of developing common facilities is Rs 40 Crores. The proposed expansion will be Rs 25 Crores including existing investment of Rs. 25 Crores only for turbine, flare stack and associated auxiliary units. Total capital cost earmarked

Signature

towards environmental pollution control measures is Rs. 69.29 Crores and the Recurring cost (operation and maintenance) will be about Rs. 152 Lacs/year. Total Employment will be 5050 persons as direct & 3000 persons indirect after expansion. Industry proposes to allocate Rs 25 lakhs @ 1% towards Corporate Environment Responsibility.

5. Total water requirement as per earlier approved EC was 6600 m³/day, out of which fresh water requirement was 5500 m³/day being met from Gujarat Water Infrastructure Limited. Existing total water requirement (based on at present consumption rate) is 5085 m³/day. The revised / reduced water requirement after implementation of water saving measures including expansion, the total water requirement will be 5941 m³/day, out of which fresh water requirement is 4050 m³/day and will be met from Gujarat Water Infrastructure Limited & Borewell (03 no.). Industrial Effluent (1317 KLD) quantity will be treated through ETPs of combined capacity 1410 KLD followed by RO and MEE. The treated industrial effluent will be recycled for industrial purposes. Domestic Sewage (472 KLD) quantity will be treated through STPs of combined capacity 600 KLD and treated sewage will be utilized for domestic, flushing, plantation and greenbelt purposes. The plant will be based on Zero Liquid discharge system. There will be no incremental load on water resources.

6. Power requirement after expansion will be 33.5 MW including existing 23.5 MW, proposed to be supplied by 20 MW existing TG plus 20 MW proposed TG and Paschim Gujarat Vij Company Ltd) (sanction load is 15 MVA). Existing unit has standby DG sets of 2 x 250 kVA & 4.2 MW capacity, additionally DG sets of capacity 2 x 2500 kVA, 125 kVA, 1 x 20 kVA will be used as standby during power failure. Stack (height 11 m for all DG sets) will be provided as per CPCB norms. Earlier approved DG sets of capacity 2000 kVA will not be installed. Existing unit has Boilers of capacity 2 x 66 TPH, 1x95 TPH, 1x45 TPH, (Boilers for CPP), 5 x 2.5 TPH (Waste Heat Recovery Boilers) in CBP & 1x2.8 TPH, 2x20 TPH (Other Boilers) installed / approved are small process boilers. The stack height of the 66 TPH boiler as per EPA standard and actual emission is 60 m and 84 m as per the maximum load calculation, the height of the 95 TPH boiler as per EPA standard and actual emission is 59.18 m and 105 m as per the maximum load calculation, the height of the 20 TPH boiler as per EPA standard and actual emission is 21 m and 40 m as per the maximum load calculation and the height of the 2.8 TPH boiler as per EPA standard and actual emission is 9.8 m and 30 m as per the maximum load calculation has already been installed. Stack height of 80 meters for 1x45 TPH boiler is under construction. Electrostatic Precipitators (ESP) is already installed with coal based 2x66 TPH boilers and 2x20 TPH boilers each, for controlling the particulate emissions the statutory limit of PM -50 mg/Nm³, SOx- 600 mg/Nm³ & NOx- 300mg/Nm³. Adequate height stacks are installed / to be provided with Off gas based boilers of capacity 95 TPH & 45 TPH, and F.O based boiler of capacity 2.8 TPH respectively for proper dispersion of emission from these boilers within statutory limit of PM -50 mg/Nm³, SOx- 600 mg/Nm³ & NOx- 300mg/Nm³.

7. All Petrochemical based processing (processes other than cracking & reformation and not covered under the complexes) are listed at S.N. 5 (e) of Schedule of Environment Impact Assessment (EIA) Notification under category 'A' as the proposed project is located outside the notified industrial area/estate and are appraised at Central Level by Expert Appraisal Committee (EAC).

8. The Standard Terms of References (TORs) had been granted to the project vide letter no. IA-J-11011/162/2017-IA-II(I) dated 20.12.2019. The project proposal was considered

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by the Expert Appraisal Committee (Industry-2) in its 16th meeting held during 22.01.2020 and recommended amendment in Terms of References (ToRs) along with the request of exemption from Public Hearing under para 7(ii) of the EIA Notification, 2006 for the Project. The Amended ToR was issued by Ministry vide letter F.No. J-11011/162/2017-IA-II(I) dated 19.03.2020. Litigation is pending against the proposal.

9. The proposal was considered by the EAC in its 23rd meeting held on 18th September, 2020 in the Ministry, wherein the project proponent and their consultant M/s. Wolkem India Limited presented made a detailed presentation on the salient features of the project.

10. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

11. The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data and incremental GLC due to the proposed project within NAAQ standards. The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. Additional information submitted by the project proponent found to be satisfactory and addressing the concerns of the Committee. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of Environmental Clearance (EC).

12. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

13. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for **addition of 20 MW Turbine & Stand by Flare System with Carbon Black Manufacturing Facility M/s Balkrishna Industries Limited located at Block Survey No. 470 & associated, Village-Paddhar, Taluka-Bhuj, District-Kutch, Gujarat**, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:-

A. Specific Conditions:

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The Project proponent shall have complied the conditions mentioned in the earlier EC dated 8th January, 2018 and amended dated 20th May, 2019.

13.1. General conditions:

- (i). No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (ii). The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
- (iii). The overall noise levels in and around the plant area shall be kept well within the standards 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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (iv). The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (v). The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- (vi). A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (vii). The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (viii). The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- (ix). The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <https://parivesh.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 concerned Regional Office of the Ministry.

- (x). The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- (xi). This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

14. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

15. 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 Environment (Protection) Act, 1986.

16. 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.

17. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

18. This issues with the approval of the competent authority.

Ashok Kr Pateshwary
15/10/2020
(Ashok Kr Pateshwary)
Director

Copy to: -

1. The Principal Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8th Floor, Gandhi Nagar - 382 010 (Gujarat)
2. The Chief Conservator of Forests (Western Zone), Ministry of Environment & Forests, Regional Office, E-5, Arera Colony, Link Road -3, Bhopal - 462 016 (M P)
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043 (Gujarat)
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, District Kutch, Gujarat
7. Guard File/Monitoring File/Parivesh portal/Record File

Ashok Kr Pateshwary
15/10/2020
(Ashok Kr Pateshwary)
Director
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