



State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment, Forest & Climate Change)
Environmental Planning Coordination Organization
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No: 3172 /SEIAA/2022

Date: 26/2/22

To,
M/s Arihant Fertilizer & Chemicals India Ltd,
Village - Kanawati, Mhow-Nasirabad Road,
Dist. Neemuch, MP

Sub: Case No 8725/2021: Prior Environment Clearance for Expansion of Single Super Phosphate Fertilizer Unit (SSP, GSSP Plant) at Kanawati, Mhow-Nasirabad Road, Dist. Neemuch (MP) [with expansion capacity as SSP from 66,000 TPA to 1,80,000 TPA, ASSP from 66,000 TPA to 1,80,000 TPA], by M/s Arihant Fertilizer & Chemicals India Ltd, Village - Kanawati, Mhow-Nasirabad Road, Dist. Neemuch, MP Projects. M/s. Creative Enviro Services, Bhopal **Prescribing of TOR.**

Ref:- Online Proposal No. SIA/MP/IND2/67483/21 received in SEIAA office 24.09.2021

This is in reference to the proposal submitted in the SEIAA office to prescribe the Terms of Reference (TOR) for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of the EIA Notification, 2006. For this purpose, the proponent had submitted online information in the prescribed format (Form-1) along with a Pre-feasibility Report and all supporting documents as per EIA Notification & its amendments.

This is a case of Prior Environment Clearance for Expansion of Single Super Phosphate Fertilizer Unit (SSP, GSSP Plant) at Kanawati, Mhow-Nasirabad Road, Dist. Neemuch (MP) Cat. - 5(a) Chemical fertilizers Projects. The proposed expansion is planned at the unutilized land within the existing premises at Kanawati Plant (M.P.).

The project is covered under the category of 5(f) of schedule of EIA Notification, 2006 "Synthetic Organic chemical Industries" and categorized under "B" because as per the amended EIA Notification 25.06.2014, small scale industries of cat. 5(f) may consider B category if unit will fulfill criteria mention in the said notification.

The application was forwarded to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP for the project. The case was presented by the PP and their consultant in the SEAC- 527th meeting dated 12.11.2021, wherein it was stated by the PP that the unit is in Arihant Fertilizer & Chemicals India Ltd (AFCIL) is a leading manufacturer for Single Super Phosphate Fertilizer (SSP) both in Powder & Granulated forms & Zinc Sulphate, Magnesium Sulphate & Phosphate Rich Organic Manure (PROM)

- Since 2000 an unit of Single Super Phosphate (Powder & Granulated), Zinc Sulphate (Hepta hydrate), Zinc Sulphate (Monohydrate) and Magnesium Sulphate 9.6% & Phosphate Rich Organic Manure (PROM) with installed capacity as 66000 MT(PSSP), 66000 Mt (GSSP), per annum is in operation. Now it is proposed expand 180000 MT (PSSP), 180000 Mt (GSSP).
- There are no sensitive eco systems, water bodies within 10 km radius of proposed site

PROJECT AT A GLANCE

Description	Existing	Proposed	(Total after Expansion)
Site Address	Khasara No.25/2, Village- Kanawati Tehsil – Neemuch, Dist. Neemuch (MP)		
Production Capacity (TPA)	SSP - 66000 GSSP- 66000	SSP - 1,14,000 GSSP -1,14,000	SSP - 1,80,000 GSSP- 1,80,000
Cost Of Project	Rs -1.85 Crore	1.00 Crore	2.85 Crore
Rock Phosphate (TPM)	3564	6218	9782
Sulphuric acid -98% or Spent Sulphuric Acid 70% (TPM)	2138 2994	3694 5171	5832 8165
Fuel Requirement (TPD)	Coal -6 Agro Waste - 7.5	Coal -13 Agro Waste- 24	Coal - 19 Agro Waste -31.5
Total Water Requirement (KLD)	1.67	57	58.67 @ 59
Net Fresh Water Requirement (KLD)	0.01	39	39.01
Waste Water Generation (KLD)	0.10	20	20.1
Power Requirement	500 KVA	550 KVA	1050 KVA
Alternative Source Of Power	DG sets of 250 KVA		
Capital Cost For Environmental Measures	85 Lacs	40.00 Lacs	125 Lacs
Recurring Cost For Environmental Measures Etc	1 Lacs	2.5 Lacs	3.5 Lacs
Proposed Area For Plantation	Existing : 200 Sq mtrs Proposed : 10,000 Sq mtrs		
Land Acquired	Total 31350 sq. mtrs		
Land Required For Plant And Building	2450.34Sq mtrs	No additional land required for proposed project	2450.34Sq mtrs
Direct Employment Generation	approx : 15	20 approximately	Approx 35

After presentation, committee decided to recommend standard TOR prescribed by MoEF&CC with additional TOR. After the recommendation of SEAC the case was considered in 704th SEIAA meeting dtd. 14.02.22 and decided to approve the ToR as recommended by SEAC in 527th meeting held on 12.11.21 & 541st meeting held on 20.01.22 and standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions:-

1. Compliance of earlier E.C. and CTO conditions from the competent authority i.e. MoEF&CC/MPPCB shall be submitted with EIA report.
2. Detailed layout (A-3 size) of various proposed facilities with their capacities and design criteria shall be discussed in the EIA report.
3. Details of machinery with specification which shall be used in the expansion project shall be provided in EIA report.
4. Details of Liners and flooring for storage of various chemicals as their compatibility shall be submitted with EIA report.
5. Proposal for ZLD shall be justified with complete water management for domestic and Industrial effluent in the EIA report.
6. Status of GW abstraction permission from CGWB and Copy of application submitted to CGWA for withdrawal of GW shall be submitted with EIA report.

7. Approx. 8165 TPD H₂SO₄ acid is proposed to be procured hence details regarding its procurement, transportation and storage arrangement shall be discussed in EIA report with all safety measures.
8. MSDS of all hazardous materials shall be appended with EIA report.
9. Comprehensive plantation scheme with proposal for planting evergreen broad leaf plant species & shrubs etc (Kadam, Kigelia Pinnata, Karanj, Putranjiva, Neem etc) to be planted.

The authority approve the ToR as recommended by SEAC and decided to issue additional TOR by incorporating following conditions for preparation of EIA report:

- a) **Global warming potential and carbon foot print of the industrial activities should be studied and discussed in details during EIA study.**

General Conditions

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEIAA prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing (if conducted) with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.

17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing (if applicable) has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
26. PP shall submit biological diversity report stating that there is no adverse impact in-situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.

FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA, following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.

27. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
28. Detailed analysis of availability and quality of the drinking water resources available in the block.
29. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
30. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtain.

Documents to be submitted:

Environmental Consultant / PP

- I. A certificate from the Consultant shall be submitted that they have been accredited by MoEF (GoI), as per their OM.
- II. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
- III. Location of National Parks, Sanctuaries, biosphere Reserves, Wildlife corridors, Tiger reserves (existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated. A location map duly authenticated by Chief Wild life Warden and recommendation/ comments of Chief Wildlife Warden of concerned district should also be provided in this regard. DFO letter indicating the distances of nearest forest boundary from the boundary of the proposed site.
- IV. Land documents of the proposed site with clarity of landownership.

V. NOC from Gram Sabha if located in scheduled notified area.

Validity –

- I. The TORs prescribed for the project will be valid for a period of four years for submission of EIA and EMP report accordingly, the TORs will lapse after 13/02/2025.

(Shriman Shukla)
Member Secretary

Endt No. / SEIAA/2022 Dated:-
Copy to:-

1. Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
2. The Member Secretary, Madhya Pradesh Pollution Control Board, E-5 Paryavaran Parisar, Arera Colony Bhopal (M.P.) -462016.
3. The Collector, District Neemuch, M.P.
4. The Principal Chief Conservator of Forest, Ground floor Satpuda Bhawan, Bhopal (M.P)
5. The Additional Chief Conservator of Forest (C), Regional Office (WZ), Ministry of Environment & Forests, Kendriya Paryavaran Bhawan, Link Road No.-3, E-5, Arera Colony, Bhopal (M.P.) - 462016.
6. Guard File.

(Alok Nayak)
Officer-In-Charge

