



State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment, Forest & Climate Change)
Environmental Planning Coordination Organization (EPCO)
Paryavaran Parisar, E-5. Arera Colony
Bhopal-4620 16
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No: 5476 /SEIAA/2017
Date: 6.3.17

To,
Shri Virendra Pokharna, Director,
M/s Indra Industries Limited,
Village - Sandla, Tehsil- Badnawar,
District - Dhar (MP) – 452010

Sub:- Case No.- 4258/2015: Prior Environment Clearance for Expansion of Chemical Fertilizers SSP/GSSP fertilizer at Khasra no.- 2132/8, 2131/1, 2132/1/2/1, 2132/5, 2132/1/13, Village - Sandla, Tehsil-Badnawar, District Dhar (M.P) Plot area 23585.08 sq.m. Proposed Capacity SSP - 1,20,000 MTPA (Existing Capacity 45000 MTPA+Additional Capacity- 75000 MTPA), GSSP – 120000 MTPA and Zinc Sulphate (ZnSO₄)-10 TPD by Shri Virendra Pokharna, Director, M/s Indra Industries Limited, Village - Sandla, Tehsil- Badnawar, District - Dhar (MP) - 452010 email virendrapokharana@indraindustries.in EIA Consultant: EQMS, Delhi.

Ref: Your application dtd. 06.08.15 received in SEIAA office on 06.11.2015

With reference to above, the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O.1533(E), dtd. 14.09.06 & its amendments, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR & EIA Report and additional clarifications furnished in response observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- (i) The proposed project is an expansion project for the manufacture of Single Super Phosphate (SSP), Granulated Single Super Phosphate (GSSP). The Proposed Capacity after expansion - SSP from 45,000 to 75,000 MTPA & GSSP-1,20,000 MTPA and Zinc Sulphate (ZnSO₄) -10 TPD The project proponent Shri Virendra Pokharna, Director, M/s Indra Industries Limited . Air & water consents have been granted to the project by MPPCB and renewed vide letter dtd 26.10.2016.
- (ii) The project includes manufacturing of SSP & GSSP covered under 5(a) category B of the Schedule of EIA Notification issued by the Ministry of Environment & Forests vide S.O.1533 (E) dtd.14.09.06 & its amendments.
- (iii) There is no interstate boundary within 10 km and no National Park / Sanctuary within the 5 km of the project area hence the general conditions are not attracted.
- (iv) The total project land area is 23585.08 sq.m. PP has submitted sale deed (dtd. 23.06.86).
- (v) Public Hearing was conducted within the industrial area, Village; Sandla, Tehsil- Badnawar, District Dhar (M.P) on 28.10.2014 under Chairmanship of Add. Collector, Dhar District Dhar (M.P.). The issues raised during the public hearing were mainly related to employment, drinking water facility, medical facility and dust generation from the unit, which were addressed by PP.

Case No. 4258/2015

Issued vide letter no. 5476-77 dated 6.3.17

Case No.: To be quoted in registered cases for correspondence

- (vi) The major raw materials are: Rock phosphate, Sulphuric Acid and Zinc Ash (65%). Sulphuric acid (dilute form) and Low grade rock phosphate is proposed to be purchased from outside market.
- (vii) The total water requirement is 128 KLD (Fresh water – 90 KLD + waste water generation - 40 KLD). The source of water for the project is Private tanker.
- (viii) There is no industrial waste water generated from the plant. Waste water generated from the scrubber shall be recycled and used for acid dilution. Domestic waste water (3.0 KLD) will be disposed off through septic tank followed by soak pit.
- (ix) Expected pollutants in Air are Particulate Matter (PM) from storage, grinding, operation of hot air furnace, DG set etc; HF emissions during acidulation and curing ; SO₂ and NO_x and PM₁₀ from DG set. For control of air pollution, PP has proposed following measures for SSP, GSSP & Zinc Sulphate plant:

SSP Plant	GSSP Plant	Zinc Sulphate plant
<ul style="list-style-type: none"> • Cyclone • Closed Conveyors • Ventury scrubbers • Wet scrubbers • 42m stack 	<ul style="list-style-type: none"> • Twin cyclone • Dust Separation Chamber • 40m stack 	<ul style="list-style-type: none"> • Ventury scrubber • 15m stack

- (x) PP has proposed Hazardous and Other Solid Wastes generated from the process activities will be mainly discarded bags/containers, used oil etc. Used oil is proposed to be reused in lubrication of open gears. Discarded bags, containers and other solid waste like scrap paper will be sent to authorize vendor. Coal ash will be sold to brick manufactures. Management of the hazardous substances would be made according to the MSIHC Rules 1989 and Hazardous waste management rules 2008.
- (xi) PP has proposed transportation of raw materials and finished goods by 28 trucks per day, generation of dust due to increase in vehicular movement, emission of vehicular pollutants like CO & HC. For control of traffic pollution PP has proposed transportation of raw materials and finished goods in trucks covered with tarpaulins; PUC certified vehicles.
- (xii) The total power requirement in operation phase is 75 KW and DG set back. The source of power is Madhya Pradesh Pashim Kendra Vidyut Vitran Company.
- (xiii) Bio mass and coal is proposed to be used as fuel in the GSSP plant. Expected fuel consumption will be about 280 kg (Bio mass)/MT of product or 25 kg (coal)/MT of product.
- (xiv) PP has included risk assessment, emergency plan, health and safety and fire fighting in the EIA report.
- (xv) PP has proposed plantation in 4750 sq.m. along with internal road side and in other open area by planting 600 trees.
- (xvi) Under CSR activities PP has proposed Medical facility in the study area with the help of PHC Doctors/Registered Medical Practitioners available in town/village, donation of funds (Gram Panchayat Level) for poor students in nearby project area and renovation of school building, soil testing in six selected villages through NABL laboratory or District level Mirda Parikshan Kendra and educate to farmers through training for the exposure regarding the modern agriculture practices etc. with budgetary provision of Rs. 2.0 lakh /yr upto five years.

Based on the information submitted at Para i to xvi above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 410th meeting held on 17.02.2017 and decided to accept the recommendations of 284th dtd SEAC meeting held on dtd 26.11.2016.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 to the Proposed Expansion of Chemical Fertilizers SSP/GSSP fertilizer at Khasra no.- 2132/8, 2131/1, 2132/1/2/1, 2132/5, 2132/1/13, Village - Sandla, Tehsil-Badnawar, District Dhar (M.P) Plot area 23585.08 sq.m. Proposed Capacity SSP - 1,20,000 MTPA (Existing Capacity 45000 MTPA + Additional Capacity- 75000 MTPA), GSSP – 120000 MTPA and Zinc Sulphate (ZnSO₄)-10 TPD by Shri Virendra Pokharna, Director, M/s Indra Industries Limited, Village - Sandla, Tehsil- Badnawar, District - Dhar (MP) - 452010, subject to the compliance of the Standard Conditions enclosed at Annex-I and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

A. Specific Conditions as recommended by SEIAA

1. There is a possibility that obnoxious gases emitting from the proposed expansion project might affect the standing crops and the agriculture soil of the nearby fields. This was highlighted during the public hearing also. PP must ensure six monthly monitoring cycle of the standing crop and soil samples in collaboration with the district agriculture department. Any damage to the crop should be duly compensated by the PP.
2. Adequate measures should be undertaken by the PP for the physical safety of the workers. All labour laws for the safety and welfare of the worker should be strictly followed.
3. PP should ensure plantation in 4750 sq.m. along with internal road side and in other open area by planting 600 trees in the first year of operation & plants should be of three feet height and three years of age. PP should also plant Gladiolus as indicator species for fluorine emissions in ambient air.
4. Under CSR activities, PP must ensure health camp, soil testing, Mobilization of farmer groups, training/exposure visit of farmers, Agri-exhibitions, Regional fairs, Krishi expos, farmer awards etc. with budgetary provision of 4.03 lakh/year upto 5 years.
5. PP has assured coal ash will be sold to brick manufactures. Hazardous and Other Solid Wastes generated from the process activities will be mainly discarded in bags/containers, used oil etc. Discarded bags, containers and other solid waste like scrap paper will be sent to authorize vendor. Management of the hazardous substances would be made according to the MSIHC Rules 1989 and Hazardous waste management rules 2008.
6. Expected pollutants in Air are Particulate Matter (PM) from storage, grinding, operation of hot air furnace, DG set etc; HF emissions during acidulation and curing ; SO₂ and NO_x and PM₁₀ from DG set. For control of air pollution, PP must ensure following measures for SSP, GSSP & Zinc Sulphate plant:

SSP Plant	GSSP Plant	Zinc Sulphate plant
<ul style="list-style-type: none"> • Cyclone • Closed Conveyors • Ventury scrubbers (5 stage) • Wet scrubbers • 42m stack 	<ul style="list-style-type: none"> • Twin cyclone • Dust Sepration Chamber • 40m stack 	<ul style="list-style-type: none"> • Ventury scrubber (5 stage) • 15m stack

7. PP should obtain approval of Competent Authority for fire fighting, Onsite Disaster Management, Risk Management plan before commencing the operation of the unit.

B. Specific Conditions as recommended by SEAC

8. All vents from the exhausts of the processes shall be connected to a scrubbing system and the scrubbing media shall be treated through the effluent treatment plant or recycled for acid dilution.
9. Zero liquid discharge shall be observed and no treated waste water should be discharged outside the plant premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom to see entire ETP area, all out lets of storm water drains and all materials/wastes entry and exit gates. Data connectivity must be provided for all such cameras to the MPPCB's server for remote operations.
10. Fresh water requirement in the project shall not exceed 90 KLD.
11. As proposed, appropriate APCD should be provided in the SSP Plant (cyclone), GSSP plant (Twin cyclone) and Zinc Sulphate Plant (Ventury Scrubber).
12. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
13. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.
14. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended and the Public Liability Insurance Act for handling of hazardous chemicals etc.
15. Water intensive green area including thick green-belt as proposed shall be developed in to mitigate the effect of fugitive emissions all around the plant in consultation with the forest department as per the guidelines of CPCB.
16. PP should also explore the possibility of green belt development outside the plant premises in consultation with district authority.
17. All the storage tanks of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks. Closed handling system of chemicals shall be provided.
18. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
19. Engineered eye wash arrangements should be provided for protection against any spillage / leakages.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
22. Two on-line monitoring systems for ambient air quality should be provided and data connectivity must be provided to the MPPCB's server for remote operations.
23. PP should also explore the possibility of green belt development outside the plant premises in consultation with district authority.
24. The commitments made in the public hearing are to be fulfilled by the PP.
25. PP will comply with all the commitments made in by the letter dated 08/09/2016.

26. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance. .

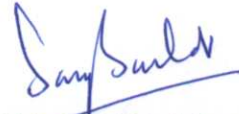
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Endt No. / SEIAA/ 2017
Copy to:-

Dated 6.3.12


(Anupam Rajan)
Member Secretary

- (1). Principal Secretary, Urban Development & Environment Deptt. 3rd Floor, Mantralaya Vallabh Bhawan, Bhopal.
- (2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (3). Member Secretary, MPPCB, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, District Dhar, M.P.
- (5). Managing Director, M.P. Audyogik Kendra Vikas Nigam (Indore) Limited, Free Press House First Floor, 3/54 Press Complex, Agra-Mumbai Highway Indore(M.P).
- (6). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110 003
- (7). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (8). Guard file.

Encl: Standard Conditions (Annex-I)


(Dr. Sanjeev Sachdev)
Officer-in-Charge

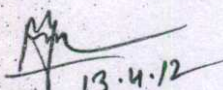
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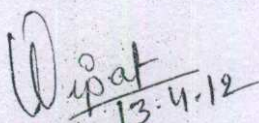
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Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

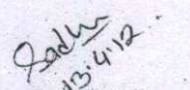
Annex-I

Standard Conditions related to Activity 5 (a) - Chemical Fertilisers of Manufacturing / Fabrication of Category B projects under the Schedule of Ministry of Environment and Forests, Gol notification dtd 14-09-06

1. Any enhancement of capacity, change in technology, modernization and scope of working shall again required prior environmental clearance as per EIA notification, 2006.
2. All activities / mitigative measures proposed by PP in Environmental Impact Assessment and approved by SEAC must be ensured.
3. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
4. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
5. The fluoride emission shall not be more than 25 mg/Nm³ emanating from the scrubbing system.
6. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of raw material and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. No overloading of raw material for transportation shall be committed.
7. Periodic monitoring shall be carried out as per norms for RPM, SPM, SO₂, NO_x monitoring and fluoride. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the M. P. Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and displayed.
8. Data on ambient air quality (RSPM, SPM, SO₂, NO_x) should be regularly submitted to the Regional office of the Ministry of Environment and Forest, Bhopal and the M.P. Pollution Control Board / Central Pollution Control Board once in six months.
9. The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
10. Measures shall be taken for control of noise levels below 75 dBA in the work environment. Workers shall be provided with ear plugs / muffs.
11. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
12. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.


(Dr R P Singh)
Officer-in-Charge


(Dr Vinita Vipat)
Officer-in-Charge


(Dr Sadhna Tiwari)
Officer-in-Charge

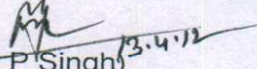
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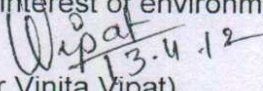
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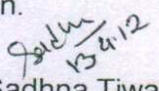
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Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

13. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional office of the Ministry of Environment and Forest, Bhopal and MP PCB.
14. The Regional Office, MoEF, Gol, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan and other documents information should be given to Regional Office of the MoEF, Gol at Bhopal and MP PCB.
15. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the Regulatory Authority on 1st June and 1st December of each calendar year.
16. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the local bodies, Panchayat and municipal bodies as applicable in addition to the relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.
17. The project proponent has to strictly follow directions/guideline issued by the MoEF, Gol, CPCB and other Govt. agencies from time to time.
18. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal and MP PCB.
19. Project Proponent shall explore the possibility of using solar energy where ever possible.
20. The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
21. The SEIAA of M.P. 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 Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
22. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation, if any, shall be submitted to the Regional office of the MoEF, Bhopal and MPPCB to the competent authority of the State Govt. within six months.
23. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
24. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.


(Dr R P Singh)
Officer-in-Charge


(Dr Vinita Vipat)
Officer-in-Charge


(Dr Sadhna Tiwari)
Officer-in-Charge

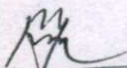
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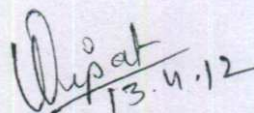
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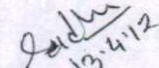
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25. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
26. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
27. The prior Environmental Clearance granted for the project is valid for a period of five years as per EIA notification dtd. 14.09.2006.
28. 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 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
29. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
30. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 EC conditions and shall also be sent to the Regional Office of MoEF.


(Dr R P Singh) 13.4.12
Officer-in-Charge


(Dr Vinita Vipat)
Officer-in-Charge


(Dr Sadhna Tiwari)
Officer-in-Charge

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