



**State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment & Forests)**

Environmental Planning Coordination Organization (EPCO)
Paryavaran Parisar, E-5. Arera Colony
Bhopal-4620 16

visit us <http://www.mpseiaa.nic.in>

Tel:0755-2466970, 2466859

Fax : 0755-2462136

No: 7642 /SEIAA/2015

Date: 13.11.15

To,
Mr. Mohit Airen Director
M/s Balaji Phosphate Pvt. Ltd,
305, Utsave Avenue,
12/5 Ushaganj (Jaora Compound),
Indore-452001

Sub:- Case No. 1806/2014 Prior Environment Clearance for Expansion of SSP/GSSP fertilizer at Plot No. 24-A & 23-B, Industrial Area Phase-1, A.B. Road, Dewas (M.P.); Plot area 12,600 sq.m. Production Capacity: 1. SSP/GSSP: 1,20,000 MTA (Existing Capacity – 45,000 MTA + Proposed Capacity 75,000 MTA) 2. ZnSO₄ / MnSO₄ : 3,000 MTA (Existing Capacity 3,000 MTA + Proposed Capacity- Nil) by M/s Balaji Phosphate Pvt. Ltd through Director Mr. Mohit Airen, 305, Utsave Avenue, 12/5 Ushaganj (Jaora Compound), Indore-452001; Email: mohit_10airen@yahoo.co.in; Environment Consultant M/s Kadam Environmental Con. Vadodara (Gujarat).

Ref: Your application dtd. 20.09.2014 received in SEIAA office on 22.09.2014

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), dated 14th September 2006 and its amendments, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR, EIA Report, ppt. 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 production capacity planned is 1. SSP/GSSP: 1,20,000 MTA (Existing Capacity – 45,000 MTA + Proposed Capacity 75,000 MTA) 2. ZnSO₄ / MnSO₄: 3,000 MTA (Existing Capacity 3,000 MTA + Proposed Capacity- Nil). The project proponent Mr. Mohit Airen (Director) M/s Balaji Phosphate Pvt. Ltd.,

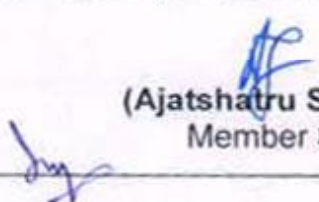
(Ajatshatru Shrivastava)
Member Secretary

Case No. 1806/2014

Issued vide letter no. 7642-43 dated 13.11.15

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

- (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 12,600.0 sq.m. for which PP has executed lease deed (dtd. 21.10.08) between the Managing Director, District Trade & Industries Centre, Dewas and M/s Balaji Phosphate Pvt. Ltd., through Shri Ravi Mittal for the period of 30 years (21.10.2008 to 20.10.2038).
- (v) The project is located in notified Industrial Centre, District Dewas hence as per Gol, MoEF OM dtd 10.12.14 Public hearing is exempted.
- (vi) The major raw materials are: Rock phosphate, Sulphuric Acid (98.4%) and Filler (8-10%). Low grade rock phosphate which shall be purchased from State Mining Corporation Mine for Rock Phosphate- Jhabua and Rajasthan State Mines & Minerals – Udaipur.
- (vii) The Uranium and Titanium contents are reported to be 53 PPM & 193 PPM respectively as per analysis report of rock phosphate from Deptt. of Atomic Energy Gol (letter dtd 22.04.15) submitted by PP.
- (viii) The total water requirement is 31 KLD (Industrial – 24 KLD + domestic 05 KLD + gardening- 02 KLD). The source of water for the project is WELSPUN project Ltd. Dewas. (agreement dtd. 21.07.14).
- (ix) There is no industrial waste water generated from the plant. Domestic waste water (4.0 KLD) will be disposed off through septic tank followed by soak pit. Apart of this PP has proposed :
- (a) Zero liquid discharge unit.
- (b) Generation of foam during operation of floatation/ clarifiers within the plant premises are proposed to be managed by adding anti foaming agents and reagents.
- (c) Ground water contamination due to leakages in H₂SO₄, H₂SiF₆ tanks within the plant premises by proper flooring & dyke wall will be provided at storage area.
- (x) Expected pollutants in Air are Particulate Matter (PM) from storage, grinding, operation of hotair 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:
- (a) Adequate water sprays arrangement to suppress dust & dust collection system.
- (b) MS Stack of 30 m height will be attached to Grinding Mill.
- (c) High efficient four stage ventury scrubber will be provided to reduce HF concentration from final discharge;
- (d) FRP stack of 50 m height will be attached to four stage scrubber.


(Ajatshatru Shrivastava)
Member Secretary

- (e) Proper periodic maintenance of all air pollution control equipments like scrubbers, dust collectors / bag house etc. will be carried out to ensure its efficient operation;
- (f) Effective water spraying will be carried out on the access roads to control dust pollution during dry season.
- (xi) 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. PP has submitted registration certificate for authorized re-refining/recycler of hazardous waste. MPPCB, RO, Ujjain has issued authorization letter for Hazardous Waste (Management, Handling & Tranboundary Movement) vide letter dtd 15.04.2010 and renewed vide letter dtd 13.02.2015
- (xii) PP has proposed transportation of raw materials and finished goods by 50 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.
- (xiii) The total power requirement in operation phase is 0.85 MW and DG set back-up 1 x 125 KVA. The source of power is Madhya Pradesh Pashim Kendra Vidyut Vitran Company.
- (xiv) PP has proposed (SEAC query reply dtd 24.07.15) total green belt of 5040 sq.m.(40 % of the total land area) with three layer of green belt around the site with plantation having at least 2 x 2 meters per area.
- (xv) PP has included risk assessment, emergency plan, health and safety and fire fighting in the EIA report.
- (xvi) Under CSR activities PP has proposed scholarship to girl students for higher education, renovation of anganwadi /school building, construction school boundary, provision of drinking water facility, construction of water tank in Chandana village, construction of public toilets, renovation of internal village road etc.

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 235th meeting held on 08.09.2015 and decided to accept the recommendations of 213rd SEAC meeting held on dtd 08.08.15.


Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 to the proposed Expansion of SSP/GSSP fertilizer at Plot No. 24-A & 23-B, Industrial Area Phase-1, A.B. Road, Dewas (M.P.); Plot area 12,600 sq.m. Production Capacity: 1. SSP/GSSP: 1,20,000 MTA (Existing Capacity – 45,000 MTA + Proposed Capacity 75,000 MTA) 2. ZnSO₄ / MnSO₄ : 3,000 MTA (Existing Capacity 3,000 MTA + Proposed Capacity- Nil) by M/s Balaji Phosphate Pvt. Ltd through Director Mr. Mohit Airen, 305, Utsave Avenue, 12/5 Ushaganj (Jaora Compound), Indore-452001 subject to the compliance of the

(Ajatshatru Shrivastava)
Member Secretary

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. Regarding raw materials PP should ensure:
 - (a) Ensure the transportation of rock phosphate and other materials only by covered vehicles.
 - (b) Ensure the storage and handling of all the chemicals in a proper manner to avoid any spillages.
 - (c) Proper flooring & dyke wall should be provided at storage area.
2. Conduct quarterly monitoring of rock phosphate w.r.t uranium and titanium percentage from authorized accredited laboratory and submit compliance Reports.
3. The entire demand of fresh water should be made from WELSPUN project Ltd. Dewas and there should be no extraction of ground water.
4. Regarding waste water PP should ensure:
 - (a) The reclaimed waste water from different units is reused in the process.
 - (b) Waste water from ventury scrubbers attached in different processing units, equipments cleaning, floor washing etc. should be collected in settling tank and reused.
 - (c) There should be 100% recycling of treated waste water and Industry shall ensure "Zero Liquid Discharge" from the unit.
 - (d) Storm water drains should be provided to drain the rain water. Process waste water should not be allowed to mix with storm water.
 - (e) STP should be provided for domestic waste water and the treated waste water should be reused for gardening.
 - (f) PP should ensure regular monitoring of treated waste water so as to confirm to the prescribed norms of MPPCB/ CPCB.
5. Regarding air pollution PP should ensure :
 - (a) PP should ensure air pollution control measure and stack height as proposed in the EIA/ EMP. Regular maintenance should be followed.
 - (b) High efficient four stage ventury scrubber should be provided.
 - (c) Ensure efficient operation of scrubbers and monitoring of impurities H2 Si F6.
 - (d) Stack of 50 m height will be attached to four stage scrubbers for HF.
 - (e) PP should Install dust collectors / bag house in crushing section.
 - (f) As per monitoring plan PP should ensure regular monitoring of stack emission & ambient air for PM, HF, SOX, NOX concentration as per MPPCB / CPCB Norms.



(Ajatshatru Shrivastava)
Member Secretary

Case No. 1806/2014

Issued vide letter no. 7642-43 dated 13.11.15

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

- (g) PP should conduct regular (six monthly) study of impact of air emission on the yield of crops in the vicinity villages Chandna and Ajampursutarkheda in collaboration with local Krishi Vikas Kendra/ Agriculture Department.
- (h) All the transfer points shall be provided with dust collector.
- (i) Adequate water spray / foaming arrangement to suppress dust should be ensured.
- (j) Transportation of raw material and finished goods should be carried out in covered trucks.
- (k) Interlocks / sensor and alarm should be provided to ensure HF emission is within permissible limit.
6. Regarding Hazardous Waste PP should ensure :
- (a) PP should obtain authorization from MPPCB regarding hazardous waste disposal.
- (b) PP should ensure handling, disposal and management of hazardous waste as per the related prescribed rules.
- (c) PP should ensure disposal of hazardous waste regularly through sale or in TSD site and there should be no dumping of these materials in the premises/outside.
7. Regarding control of traffic pollution:
- (a) PP should ensure proper vehicular movement from the AB road and follow the entry / exit timings of the National Highway norms within the city movement.
- (b) No idle parking shall be allowed on the National Highway.
- (c) Within the factory premises, parking for at least 10 trucks should be properly earmarked.
8. PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures and other energy efficient equipments.
9. PP should ensure the rain water harvesting and provide pits for ground water recharging.
10. Green Belt:
- (a) Green belt should be developed around the site with air pollutants and noise absorbing trees.
- (b) PP should ensure plantation in 5040 sq.m (40% of the total land area). The species selection of trees should be as per the CPCB guidelines. At least 3 years old saplings should be planted. PP should plant all the trees in first year.
- (c) PP should also plant Gladiolus as indicator species for fluorine emissions in ambient air.


(Ajatshatru Shrivastava)
Member Secretary

- (d) Every effort should be made to protect the existing trees on the plot.
11. PP should obtain approval of Competent Authority for fire fighting, Onsite Disaster Management, Risk Management plan before commencing the operation of the unit.
12. Regarding CSR Activities:
- (a) PP should ensure the implementation of CSR activities on regular basis as proposed in the EIA / EMP.
- (b) PP should also contribute for the renovation / revitalization of the Fire Station (Industrial Area Dewas) in consultation with Nagar Nigam, Dewas & AKVN. Copy to both agencies.

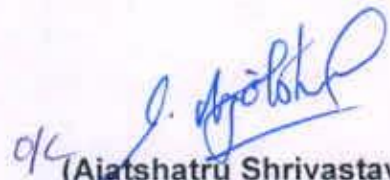
B. Specific Conditions as recommended by SEAC

13. Zero-liquid discharge shall be maintained.
14. Only alkali scrubbers shall be used for removal of fluorine.
15. The green belt comprising of large canopy trees shall be developed around the periphery of the project area.

Standard Conditions - Encl: Annex-I


Endt No. ⁷⁶⁴³ / SEIAA/ 15
Copy to:-

Dated 13.11.15


(Ajatshatru Shrivastava)
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, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, District Dewas -M.P.
- (5). General Manager, MPAKVN, Industrial Area Phase-1, A.B. Road, Dewas (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)


(Ajatshatru Shrivastava)
Member Secretary

Case No. 1806/2014

Issued vide letter no. 7642-43 dated 12.11.15

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

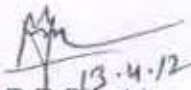
State Environment Impact Assessment Authority, M.P.

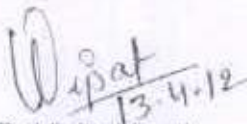
(Government of India, Ministry of Environment & Forests)
Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5, Arera Colony, Bhopal-4620 16

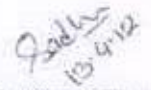
Annex-I

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, GoI 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

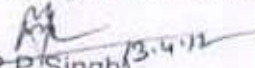
1 of 3

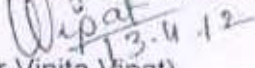
Issued No. 764243 IAA/EPCO
Dated 13.11.10

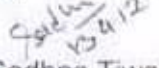
State Environment Impact Assessment Authority, M.P.

(Government of India, Ministry of Environment & Forests)
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

2 of 3

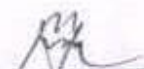
Issued Under No. 7/4243AAEPCO
Dated: 13.11.12

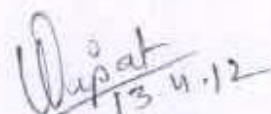
State Environment Impact Assessment Authority, M.P.


(Government of India, Ministry of Environment & Forests)

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

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

3 of 3

Issued Via: 7642-43
Dated: 13.11.15
MAPECO