

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

Environmental Planning Coordination Organization (EPCO)
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No: 5627

/SEIAA/2015

Date: 16 . 4 . 15

To, Mr. Suraj Chhabria, Executive Director, R C Fertilizers Pvt. Ltd. 181, A2, Maker Tower E, Cuffe Parade, Mumbai – 400005

Sub:- Case No. 1676/2013 Prior Environmental Clearance for SSP/GSSP & Allied Blended Fertilizer Products, Beneficiation of Rock Phosphate RP & LABSA Plants in an area of 7.24 ha at plot no.1 (185-188) & Plot no. 2 (59-F, 61-A, 61-B, 61-C) Meghnagar an Industrial Estate, Village & Tehsil Meghnagar, District Jhabua, MP; Proposed Production Capacity – SSP / GSSP; 1,98,000 TPA, Beneficiation of Low Grade Rock Phosphate 92,000 TPA, Allied Blended Fertilizer Products 49,500 TPA, LABSA; 19,800 TPA by Mr. Suraj Chhabria, Executive Director, R C Fertilizers Pvt. Ltd. 81, A2, Maker Tower E, Cuffe Parade, Mumbai – 400005

Ref:- Your application 02.05.13 received in SEIAA office on 09.05.2013 and revised application dtd 05.08.2013 received in SEIAA office on 12.08.2013

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 14<sup>th</sup> September 2006 and its amendment, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR and 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 manufacturing of Single Super Phosphate (SSP), Granulated Single Super Phosphate (GSSP), Allied Blended fertilizer products, Beneficiation Rock Phosphate (BRP) and Linear Alkyl Benzene Sulphonic Acid (LABSA). The production capacity of product are (1). SSP/GSSP:1,98,000 TPA (2) Beneficiation of Low Grade Rock Phosphate: 92,000 TPA (3) Allied Blended Fertilizer Products: 49,500 TPA and LABSA: 19,800 TPA

The project includes manufacturing of SSP and allied products, Synthetic Organic Chemicals, and Mineral beneficiation hence covered under 5(a), 5 (f) & 2(b) category B of the Schedule of EIA Notification issued by the Ministry of Environment & Forests vice S.O.1533 (E) dtd.14.09.06 & its amendments.

W)

(Ajatshatru Shrivastava) Member Secretary

Case No. 1676/2013

Issued vide letter no 56.27-28 dated 16.19.10

- (ii) The total land area of the project is 7.24 ha (72400 sq.mt) for which lease deeds executed (dtd 04.10.2013) for plot no. 159-F, 61-A, 61-B & 61-C area 32400 sqmt and dtd 15.02.2013 for plot no. 185 to 188; area 40000 sqmt with MP Adyogik Kendriya Vikas Nigam, Indore and M/s R. C. Fertilizers Pvt. Ltd. through General Manager for period of 30 years.
- (iii) There is no National park / Sanctuaries, Eco-sensitive areas (letter dtd 08.03.13 from DFO, Jhabua) critically polluted areas and inter-State boundaries(letter dtd 15.04.13 EE, PWD, Jhabua) within 05 km around the proposed site.
- (iv) The project is located in notified Meghnagar Industrial Growth Centre District Jhabua approved by MPAKVN (Indore) Ltd. hence as per Gol, MoEF OM dtd 10.12.14 Public hearing is exempted.
- (v) The source of water supply is MPAKVN (letter dtd dtd. 03.05.13) for 500 KLD fresh water. The total water requirement is 410 KLD (Industrial - 375KLD + domestic 25 KLD + gardening-10 KLD).
- (vi) PP has proposed 100% recycling of waste water i.e. Zero liquid discharge. The wastewater from Ventury Scrubber will be received in settling tank. This, along with waste water generated from equipment cleaning and floor washing, will be recycled in the process for the dilution of Sulphuric Acid. The wastewater from BRP plant will be reused in beneficiation process. Domestic waste water will be treated in STP. Treated water from STP outlet will be utilized should be for gardening purpose.
- (vii) PP has proposed hazardous and Other Solid Wastes generated from the process activities will be mainly discarded bags/containers, used oil and tailings of BRP plant, used oil will be reused in lubrication of open gears. Discarded bags, containers and other solid waste like scrap paper will be sent to authorize vendor. Organic waste will be used as manure in greenbelt development.
- (viii) The generation of air pollutants will be mainly dust from all transfer points, storage areas and grinding; HF & PM from acidulation of rock phosphate and curing; PM from hot air furnace and operation of drying & cooling section in blended fertilizers product & GSSP and crushing and grinding units; SO2 and NOx and PM during operation of diesel generator (DG) set. For control of air pollution PP has proposed dust hoods, water spray, stack of 30 m height in grinding mill and hot air furnace, 10 m height for DG set, four stage high efficient ventury scrubber with 50 m stack height.
- (ix) PP has proposed roof top rain water harvesting through recharge pits.
- (x) PP has proposed total green belt of 24425 sq.m.(33.7 % of the total land area) with three layer of green belt. PP has proposed green belt plantation in three rows with total 850 plants besides PP has also proposed plantation of 500 saplings in the public places, road crossing and nearby villages and distribution of 1000 saplings to the farmers of nearby villages for plantation on agriculture hedges.

Based on the information submitted at Para i to ix above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 206<sup>th</sup> meeting held on 08.06.2015 and decided to accept the recommendations of 183<sup>rd</sup> SEAC meeting held on. dtd. 27.04.15.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14<sup>th</sup> September 2006 to the proposed manufacturing of SSP/GSSP & Allied Blended

(Ajatshatry Shrivastava) Member Secretary

Case No. 1676/2013

Issued vide letter no. 56.24.29 dated 6.9.1

Fertilizer Products, Beneficiation of Rock Phosphate RP & LABSA Plants in an area of 7.24 ha at plot no.1 (185-188) & Plot no. 2 (59-F, 61-A, 61-B, 61-C) Meghnagar in Industrial Estate, Village Meghnagar, Tehsil Meghnagar, District Jhabua, MP; Proposed Production Capacity — SSP / GSSP; 1,98,000 TPA, Beneficiation of Low Grade Rock Phosphate 92,000 TPA, Allied Blended Fertilizer Products 49,500 TPA, LABSA; 19,800 TPA by Mr. Suraj Chhabria, Executive Director, R C Fertilizers Pvt. Ltd. 181, A2, Maker Tower E, Cuffe Parade, Mumbai — 400005 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

- The entire demand of fresh water should be met through AKVN, supply and there should be no extraction of ground water.
- 2. PP should ensure :
  - a. The reclaimed waste water to be reused in process.
  - b. Waste water from BRP plant will be reused in Beneficiation process.
  - c. Proper flooring & dyke wall will be provided at storage area.
  - d. STP will be provided for domestic waste water. Treated waste water should be reused for gardening.
  - e. Storm water drains will be provided.
  - f. Generating of high quantity of silica as tailing in Beneficiation process, industry shall ensure that:
    - i. Process waste water should not be allowed to mix with storm water.

ii. Dedicated storage space will be provided.

iii. Regular monitoring of impurities in tailing shall be ensured.

- iv. Industry shall provide RCC settling tanks and FRP lining to avoid any leakages.
- v. Proper flooring will be done to avoid the leaching of H<sub>2</sub>SiF<sub>6</sub> solution into the soil.
- vi. Appropriate dyke wall will be made.
- vii. Highly efficient scrubber shall be installed to reduce HF emission as per MPPCB & CPCB norms.
- viii. There should be 100% recycling of treated waste water and Industry shall ensure "Zero Liquid Discharge" from the unit.

#### 3. Hazardous waste:

- a. Industry shall provide sand beds near the storage area of H<sub>2</sub>So<sub>4</sub> storage tank.
- To avoid the spillage from processing unit, Industry shall provide fully mechanized filling and packaging operation unit.
- c. PP should ensure handling, disposal and management of hazardous waste as per the related prescribed rules.
- d. PP should ensure disposal of hazardous waste/ by products regularly through sale or in TSDF site and there should be no dumping of these materials in the premises/outside.

(Ajatshatru Shrivastava) Member Secretary

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- e. PP should obtain NOC /approval from competent authority for health & safety measure, Onsite & Offsite disaster management, Risk management plan and Fire fighting before commencing the operation of the unit.
- Solid waste generation from operation of STP will be reused as manure in green belt development.
- g. PP should obtain NOC /approval from competent authority for health & safety measure, Onsite & Offsite disaster management, Risk management plan and Fire fighting before commencing the operation of the unit.

#### 4. Air Pollution:

a. PP should ensure air pollution control measure and stack height as follows : -

Stack attached to	Pollutants	Stack height in m	Air pollution (control measures)
Grinding Mill (MS)	PM	30	Bag House Filters
SSP Scrubbers	PM & HF	50	Scrubbers
Wet scrubbers attached to GSSP Cycolne	PM	30	Wet Scrubbers
Allied blended fertilizers	PM & NOX	30	Adequate Stack height
DG set	PM SO2 & NOX	10	Adequate Stack height
	Grinding Mill (MS) SSP Scrubbers Wet scrubbers attached to GSSP Cycolne Allied blended fertilizers	Grinding Mill (MS) PM SSP Scrubbers PM & HF Wet scrubbers attached to GSSP Cycolne Allied blended fertilizers PM & NOX	Grinding Mill (MS) PM 30 SSP Scrubbers PM & HF 50 Wet scrubbers attached to GSSP Cycolne Allied blended fertilizers PM & NOX 30

- As per monitoring plan PP should ensure regular monitoring of stack emission & ambient air for PM, HF concentration as per MPPCB / CPCB Norms.
- c. PP should conduct regular (six monthly) study of impact of air emission on the yield of crops in the vicinity villages viz. Agral, Futtalav and Meghnagar in collaboration with local Krishi Vikas Kendra.
- d. All the transfer point of conveyor belts and screen / roll crusher shall be provided with dust hood.
- e. Adequate water spray arrangement to suppress dust will be ensured.
- f. High efficient four stage ventury scrubber will be provided.
- g. Stack of 50 m height will be attached to scrubbers with water as scrubbing media for HF & PM emission due to operation of acidulation of Rock Phosphate and curing.
- h. Ensure efficient operation of scrubbers and monitoring impurities H2 Si F6.
- Interlocks and alarm will be provided. DG sets will be attached to scrubbers, to ensure HF emission is within permissible limit during any abnormal situation or during power failure.
- Transportation of raw material and finished goods will be carried out in covered trucks.
- Traffic management plan will be made and followed.
- PP should ensure rain water harvesting.

#### 6. Green belt:

a. Green belt should be developed around the site with noise absorbing trees.

b. PP should ensure plantation in 33% of the total land area as per the CPCB guidelines.

(Ajatshatru Shrivastava) Member Secretary

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Issued vide letter no. 52-7-28... dated 16.9.10

- c. PP should also plant Gladious as indicator species for fluorine emissions in ambient air.
- PP should adopt Agrol & Futtalav villages, creates Self Help Groups for training skill development, health programs, education programs, sanitation and give at least 50% contribution for the SHGs. Accordingly, the budget for CSR activity should be increased.
- PP should ensure proper road width and turning radius for the trucks and movement of vehicles. PP should ensure Pucca Parking bay for at least 40 trucks.
- PP should conduct quarterly monitoring of rock phosphate w.r.t uranium and titanium percentage from authorized accredited laboratory and submit Compliance Report.

B. Specific Conditions as recommended by SEAC

- 10. Zero Liquid Discharge (ZLD) shall be maintained strictly.
- The baseline fluoride content in ground water is found to be on higher side hence complete premises shall made impervious to prevent any percolation into the ground water.
- Water requirement in the project shall not exceed 410 KLD.
- Treated waste-water proposed to be used in gardening shall be regularly tested for fluoride content before using the same.

14. About 600 T of tailing is proposed to be sold to the brick manufacturers; PP shall maintain a log-book in this connection and shall submit a copy of the same with the compliance report.

Standard Conditions - Encl: Annex-I

(Ajatshatru Shrivastava) Member Secretary

Endt No. 5628/ SEIAA/ 15

Dated 16 9 15

Copy to:- (1) Principal Secretary, Urban Development & Environment Deptt. 3<sup>rd</sup> Floor, Mantralaya Vallabh Bhawan, Bhopal.

 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, Distt- Jhabua-M.P.

(5). Chief General Manager AKVN, Indore No. 3/54, First Floor, Press Complex, Free Press House, Agra-Mumbai Raod, Indore, Madhya Pradesh 452008

M.D. AKVN Industrial Area, Meghnagar Jhabua, M.P.

 Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003

 Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.

(9). Guard file.

Encl: Standard Conditions (Annex-I)

(Ajatshatru Shrivastava) Member Secretary

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Issued vide letter no. 5.6 27.28 dated 16.9:11



(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 item 5 (f) of the schedule of EIA notification, 2006

(Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)

- The company shall install an effluent treatment plant to treat the effluent generated due to proposed activity. The treated water shall be utilized within the premises to achieve zero discharge.
- The hazardous wastes and Incineration from the process and treatment should be disposed off as per Hazardous Wastes (Management & Handling) Rules, 1989 and subsequent amendments.
- The project authority shall obtain the membership of CTSDF (Common Treatment Storage & Disposal Facility) for disposal of solid and hazardous waste (if applicable) and copy of the same shall be submitted to the Regional Office of MoEF, GoI at Bhopal. The company shall maintain the valid membership of CTSDF.
- The process emissions, VOCs and particulate matter form various units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission level shall go beyond the stipulated standards.
- Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by MPPCB.
- The company shall carry out the HAZOP study and the report shall be submitted to Regional Office of MoEF, GoI at Bhopal.
- The company shall comply with the CREP guidelines prepared by MPPCB for Bulk Drug Plants.
- The company shall develop greenbelt in the project area as per the guidelines of CPCB to mitigate the effect of fugitive emission.
- During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixings of accidental spillages with domestic waste and storm drains.

(Dr R P Singh) Officer-in-Charge

(Dr Vinita Vipat) Officer-In-Charge (Dr Sadhna Tiwan) Officer-in-Charge 1 of 4

5 (f) Synthetic Organic Chemicals Industry (creat & dye Intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates.

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Issued Vide No. 329-28 IAA/EPCO



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- Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- The DG set will be provided with acoustic arrangements to attenuate the noise pollution. The emission from DG set shall be dispersed as per the CPCB/MPPCB standards.
- Industry should get the Emergency Disaster Management Plan approved by DTHS and should also comply with the provisions made in Public Liability Insurance Act, 1991.
- Any enhancement of capacity, change in technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
- All activities / mitigative measures proposed by PP in Environmental Impact Assessment must be ensured.
- All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
- All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
- 18. 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.
- The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
- 20. 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.
- 21. 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.

Commitment towards CSR have to be followed strictly.

(Dr R P Singh) Officer-in-Charge

(Dr Vinita Vipat) Officer-in-Charge (Dr Sadhna Tiwan) Officer-In-Charge 2 of 4

5 (f) Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates.

Dated Vide No 243- MMANEPCO

Issued Vide NoS62-3: 28 AA/EPCO

(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

- 23. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained (as and when applicable), by the project proponent from the respective competent authorities.
- 24. 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, should be given to Regional Office, MoEF, Gol, Bhopal and MP PCB.
- 25. 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 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
- 26. 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 concerned Government Departments / organization responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
- 27. The project proponent has to strictly follow directions/guideline issued by the MoEF, Gol, CPCB and other Govt. agencies from time to time.
- 28. 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.
- 29. The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- 30. 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 manners.

(Dr R P Singh) Officer-in-Charge (Dr Vinita Vipat) Officer-in-Charge (Dr Sadhna Tiwari) Officer-in-Charge 3 of 4

5 (f) Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates

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(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

- 31. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF, Gol, Bhopal, MP PCB within six months.
- 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.
- The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- 34. 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.
- 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.
- The prior Environmental Clearance granted for the project is valid for a period of five years as per EIA notification dtd. 14.09.2006.
- 37. 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, SO<sub>2</sub>, NOx (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.
- 38. 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) Officer-in-Charge

(Dr Vinita Vipat) Officer-in-Charge (Dr Sadhna Tiwari) Officer-in-Charge 4 of 4

5 (f) Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drugs and Intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates

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Research and Development Wing, Madhya Pradesh Pollution Control Board,
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Annex-I

Standard Conditions related to Activity 2 (b) - Mineral Beneficiation of Primary Processing of Category B projects under the Schedule of Ministry of Environment and Forests, Gol notification dtd 14-09-06

- Any enhancement of capacity, change in technology, modernization and scope of working shall again required prior environmental clearance as per EIA notification, 2006.
- All activities / mitigative measures proposed by PP in Environmental Impact Assessment and approved by SEAC must be ensured.
- All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
- All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
- The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16<sup>th</sup> November, 2009 shall be followed.
- 6. Adequate protection against dust and other environmental pollution due to working of the plant shall be made. The status of implementation shall be reported to the Regional office of the Ministry of Environment and Forest at Bhopal and work shall be completed before commissioning of the plant.
- Ground water quality shall be regularly monitored for contamination and depletion and records maintained. The monitoring data shall be submitted to the Regional office of the Ministry of Environment and Forests at Bhopal regularly.
- Transportation of ore (beneficiated and otherwise) shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of ore / dust takes place.
- The discharged water from the Tailing Dam (if any) shall be reused in the process and regularly monitored and report submitted to the Regional office of the Ministry of Environment and Forest at Bhopal, Central Pollution Control Board and the State Pollution Control Board.
- 10. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of ores and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. Transportation of ore shall be done only during day time. No overloading of ores for transportation shall be committed.
- 11. Project Proponent shall explore the possibility of using solar energy where ever possible.
- The solid waste management has to be taken up as per the proposal submitted by PP.
- All measures proposed for prevention of any discharge from the industry has to be implemented prior to the commencement of production.
- Periodic monitoring shall be carried out as per norms for RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data,

(Dr R P Singh) Officer-in-Charge (Dr Vinita Vipat) Officer-in-Charge

(Dr Sadhna Tiwari) Officer-in-Charge 1 of 3

Issued Vide No. 5 (2.) 518 AA/EPCO Dated. 16.9. 1.5.

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### 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

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.

- 15. Data on ambient air quality (RPM, SPM, S0₂, NO₂) 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.
- 16. Measures shall be taken for control of noise levels below 75 dBA in the work environment. Workers shall be provided with ear plugs / muffs.
- 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.
- 18. A separate Environmental Management Cell with suitable qualified personnel shall be setup under the control of a Senior Executive, who will report directly to the Head of the Organization.
- 19. The project authorities shall inform to the Regional office of the Ministry of Environment and Forest, Bhopal and MPPCB final approval of the project by the concerned authorities and the date of start of land development work.
- 20. 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.
- 21. The compliance of the stipulated conditions shall be monitored by the Regional Office, MoEF, Gol, Bhopal and MPPCB. A complete set a 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.
- 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. 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 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
- 24. 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.
- 25. The project proponent has to strictly follow directions/guideline issued by the MoEF, Gol, CPCB and other Govt. agencies from time to time.
- 26. 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

(Dr R P Singh) Officer-in-Charge

(Dr Vinita Vipat) Officer-in-Charge (Dr Sadhna Tiwari) Officer-in-Charge 2 of 3

Issued Vide No C622-28 IAA/EPCO

(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

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.

- 27. 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.
- 28. 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.
- 29. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- 30. 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.
- 31. 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.
- The prior Environmental Clearance granted for the project is valid for a period of five years as per EIA notification dtd. 14.09.2006.
- 33. 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.
- 34. 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, SO<sub>2</sub>, NOx (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.
- 35. The environmental statement for each financial year ending 31<sup>st</sup> 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) Officer-in-Charge

(Dr Vinita Vipat) Officer-in-Charge (Dr Sadhna Tiwari) Officer-in-Charge 3 of 3

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Annex-I

Standard Conditions related to item 5 (f) of the schedule of EIA notification,

(Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)

- The company shall install an effluent treatment plant to treat the effluent generated due to proposed activity. The treated water shall be utilized within the premises to achieve zero discharge.
- The hazardous wastes and Incineration from the process and treatment should be 2. disposed off as per Hazardous Wastes (Management & Handling) Rules, 1989 and subsequent amendments.
- The project authority shall obtain the membership of CTSDF (Common Treatment 3. Storage & Disposal Facility) for disposal of solid and hazardous waste (if applicable) and copy of the same shall be submitted to the Regional Office of MoEF, Gol at Bhopal. The company shall maintain the valid membership of CTSDF.
- The process emissions, VOCs and particulate matter form various units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission level shall go beyond the stipulated standards.
- 5. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by MPPCB.
- The company shall carry out the HAZOP study and the report shall be submitted to 6. Regional Office of MoEF, Gol at Bhopal.
- The company shall comply with the CREP guidelines prepared by MPPCB for Bulk 7. Drug Plants.
- 8. The company shall develop greenbelt in the project area as per the guidelines of CPCB to mitigate the effect of fugitive emission.
- 9. During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixings of accidental spillages with domestic waste and storm drains.

(Dr R P Singh)

Officer-in-Charge

(Dr Vinita Vipat)

Officer-in-Charge

(Dr Sadhna Tiwari)

Officer-in-Charge

5 (f) Synthetic Organic Chemicals Industry (2006-6 dye Intermediates, bulk drugs and intermediates excluding drug formulations; synthetic rubbers, basic organic chemicals, other synthetic organic chemicals and chemical intermediates

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- Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- The DG set will be provided with acoustic arrangements to attenuate the noise pollution. The emission from DG set shall be dispersed as per the CPCB/MPPCB standards.
- Industry should get the Emergency Disaster Management Plan approved by DTHS and should also comply with the provisions made in Public Liability Insurance Act, 1991.
- 14. Any enhancement of capacity, change in technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
- All activities / mitigative measures proposed by PP in Environmental Impact Assessment must be ensured.
- All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
- All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
- 18. 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.
- The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
- 20. 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.
- 21. 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.

22. Commitment towards CSR have to be followed strictly.

(Dr R P Singh) Officer-in-Charge

(Dr Vinita Vipat) Officer-in-Charge (Dr Sadhna Tiwari) Officer-in-Charge 2 of 4

6 (f) Synthetic Organic Chemicals Industry (dyes & dye informediates; bulk drugs and informediates excluding drug formulations; synthetic rubbors; basic organic chemicals, other synthetic organic chemicals and chemical intermediates

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### State Environment Impact Assessment Authority, M.P.

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

- 23. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives. Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained (as and when applicable), by the project proponent from the respective competent authorities.
- 24. 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, should be given to Regional Office, MoEF, Gol, Bhopal and MP PCB.
- 25. 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 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
- 26. 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 concerned Government Departments / organization responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
- The project proponent has to strictly follow directions/guideline issued by the MoEF.
   Gol, CPCB and other Govt. agencies from time to time.
- 28. 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.mpselaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal and MP PCB.
- 29. The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- 30. 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.

(Dr R P Singh) Officer-in-Charge

(Dr Vinita Vipat) Officer-in-Charge (Dr Sadhna Tiwari) Officer-in-Charge 3 of 4

5 (f) Synthetic Organic Chemicals Industry (dyes & dys Intermediates; bulk drugs and Intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates

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- 31. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF, Gol, Bhopal, MP PCB within six months.
- 32. 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.
- 33. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- 34. 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.
- 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.
- The prior Environmental Clearance granted for the project is valid for a period of five years as per EIA notification dtd. 14.09.2006.
- 37. 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, SO<sub>2</sub>, NOx (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.
- 38. The environmental statement for each financial year ending 31<sup>st</sup> 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) Officer-in-Charge (Dr Vinita Vipat) Officer-in-Charge

(Dr Sadhna Tiwari) Officer-in-Charge 4 of 4

5 (f) Synthetic Organic Chemicals Industry (dyes & dye Intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates

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(Government of India, Ministry of Environment & Forests)
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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

- Any enhancement of capacity, change in technology, modernization and scope of working shall again required prior environmental clearance as per EIA notification, 2006.
- All activities / mitigative measures proposed by PP in Environmental Impact Assessment and approved by SEAC must be ensured.
- All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
- All parameters listed in Environmental Monitoring Plan approved 5, 2EAC and 5a 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, SO<sub>2</sub>. NO<sub>x</sub> 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.
- Data on ambient air quality (RSPM, SPM, S0<sub>2</sub>, NO<sub>x</sub>) 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.
- The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
- 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.

 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

Dated L6.9.15

(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.
- The Regional Office, MoEF, Gol, Bhopal and MP PCB shall monitor compliance of the 14 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, GoI 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.
- A copy of the environmental clearance shall be submitted by the Project Proponent to 16 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.
- The Project Proponent shall advertise at least in two local newspapers widely circulated, 18. 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.
- Project Proponent shall explore the possibility of using solar energy where ever possible. 19.
- The company shall make the arrangement for protection of possible fire hazards during 20. manufacturing process in material handling.
- The SEIAA of M.P. reserves the right to add additional safeguard measures 21. 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.
- Action plan with respect to suggestion/improvement and recommendations made and 22 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.
- These stipulations would be enforced among others under the provisions of Water 23. (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.

The Ministry or any other competent authority may alter/modify the above conditions or 24. stipulate any further condition in the interest of environment protection. 10at 11/2

(Dr R P Singh)3.4.11 Officer-in-Charge

(Dr Vinita Vipat)

Officer-in-Charge

(Dr Sadhna Tiwari)

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Officer-in-Charge

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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.
- 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, SO<sub>2</sub>, NOx (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 31<sup>st</sup> 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) 73.4.11 Officer-in-Charge

(Dr Vinita Vipat) Officer-in-Charge

(Dr Sadhna Tiwari) Officer-in-Charge 3 of 3

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