



**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

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

Tel: 0755-2466970, 2466859

Fax : 0755-2462136

No: 1584 /SEIAA/2018

Date: 11.10.18

To,  
Factory Manager  
M/s Aarti Industries Ltd,  
71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road,  
Mulund West, Mumbai - 400080

**Sub:- Case No. 5662/2018 :** Prior Environment Clearance for Capacity expansion in Manufacturing of Sulfonated Products (Synthetic Detergents and Soaps) facility at Plot No. 57, 62, 63 & 64, Pithampur Industrial Area, Sector-3, Sagor Village, Pithampur, Dist. Dhar, (M. P) Land area – 5000 sq.m. Existing Capacity – 16000 MT/Yr Proposed Capacity- 36000 MT/Anum by M/s Aarti Industries Ltd, 71, Udyog Kshetra, 2nd Floor, Mulund Goregaon Link Road, Mulund West, Mumbai - 400080  
E-mail : sandeep.naidu@aarti.industries.com Mobile No. 09819913902. Env't. Consultant: CES, Bhopal

**Ref:** Your application dtd. 16.03.18 received in SEIAA office on 20.03.2018

With reference to the 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 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 to observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- (i) The concept of proposed expansion project is to enhance the capacity from 16000 MTPA to 36000 MTPA along with byproducts of 1015 MTPA (Flue Gas Cleaning Residue, Sodium Sulfate Liquor and Sulfuric acid) within the existing premises.
- (ii) Unit has purchased old plant of M/s. Kripa Industries Ltd which was in operation prior to EIA notification 2006 and unit was operated for same production capacity i.e. 16000 TPA since then. Since Kripa Chemical was closed for more than 10 years, Aarti needed investment to replace old and corroded equipments of Kripa; as well as Installation of additional Pollution Control Devices, etc in order to meet environmental norms. It is proposed to upgrade the existing plant and machineries and installation of dryer to archive the enhanced production capacity of 36000 TPA.

**Details of Existing & Proposed Products**

Synthetic Detergent Product	Capacity, MT Per Year		
	Existing	Additional	Total
Alfa Olefin Sulfonate (AOS)	16000 MT	20000 MT	36000 MT

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Sodium Lauryl Sulfate (SLS) /Primary Alcohol Sulfate(PAS) / Sodium Coco Sulfate (SCS)	(100% Active Matter basis) (Either any one or combined)	(100% Active Matter basis) (Either any one or combined)	(100% Active Matter basis) (Either any one or combined)
Sodium Lauryl Ether Sulfate (SLES)			
Linear Alkyl Benzene Sulfonic Acid (LABSA /Acid Slurry)			
Ammonium Lauryl Sulfate (ALS)			
Ammonium Lauryl Ether Sulfate (ALES)			

By-product	Quantity per Year, MT ( Maximum)		
	Existing	Additional	Total
Flue Gas Cleaning Residue	7	8	15
Sodium Sulfate Liquor	300	400	700
Sulfuric acid	300	0	300

- (iii) The proposed project is covered under 5 (f) category (B) of the schedule of EIA Notification issued by the Ministry of Environment & Forests vide S.O.1533 (E), dtd. 14.09.2006 and its amendments, hence is required to obtain prior EC.
- (iv) There is no interstate boundary within 10 km (PWD letter dtd. 27.02.18) and no National Park / Sanctuary( within the 5 km of the project area hence the general conditions are not attracted.
- (v) The Industry is operating in an old Industrial area which was notified prior to 2006 hence public hearing is exempted as per MoEF & CC, GoI OM dtd 10.12.14.
- (vi) PP has submitted consent Order dtd. 31.07.18 issued by MP PCB, Bhopal under water & air acts for the earlier old project.
- (vii) The total land area of the project is 17240 sq. m. Proposed expansion shall be carried out in existing premises (12240 Sq mt) as well as a new plot (Area 5000 sq mt ) hence project have adequate land for the proposed activity. PP has submitted copy o amended lease deed dtd 22.09.2016 which is executed between MD, MPAKVN (Indore) Ltd.and M/s Aarti Industries Ltd for the said project..
- (viii) The water requirement for the existing project is 131.50 KL per day which will be increased to approx. 263 KLD and sourced from AKVN. PP has submitted agreement letter dtd. 07.03.2017 which is executed between MD, MPAKVN (Indore) Ltd.and M/s Aarti Industries Ltd for the supply of water..
- (ix) Total cumulative waste water generation of 48 KLD will be treated in ETP & STP of 45 KL/day & 10KL/day respectively. The treated water will be used for cooling towers, floor washing and gardening/green belt. Waste generated during the manufacturing process and sludge from waste water treatment process will be disposed at authorized TSDF facility.
- (x) Power requirement will be sourced from existing line of 'Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company'. The company is already authorized to use power

load of 2000 HP. (D.G. set (1500 KVA & 1010 KVA) will be used as a backup power source)

- (xi) The raw material requirement existin and propesd are as follows:-

Raw Material Requirement			
Raw Material	Monthly Consumption (MT), Maximum		
	Existing	Additional	Total
Sulfur	167	208	375
Fatty Alcohol	930	1170	2100
Fatty Alcohol Ethoxylate	1383	1717	3100
Alpha Olefin	933	1167	2100
Linear Alkyl Benze	1052	1316	2368
Sodium Hydroxide	200	250	450
Ammonia	82	102	184

- (xii) Company has provided fluidized bed for getting higher efficiency and minimize losses. Bag filter has been provided with the existing boiler of 3 TPH. Stack emission of existing boiler is being regularly monitored by installation of on line monitoring system to ensure that given limits. At present the capacity utilization is about 50 -60% only. No additional Boiler is proposed.
- Acid Mist & SO<sup>2</sup> gas is generated as process emission gases from the Sulfonation plant. Two Electrostatic Precipitator (ESP) has been installed to take care of acid mist and one additional Electrostatic precipitator (ESP) to minimize the acid mist load on scrubber.
- Alkali scrubbers (2 nos) has already been installed to take care of trace quantities of SO<sub>2</sub>/ SO<sub>3</sub>. Company has provided 2 No of Process Stacks having 30 meter height to discharge Process Air containing minimal traces of SO<sub>2</sub> and SO<sub>3</sub>.
- (xiii) For control of air pollution from boiler & DG sets, PP has proposed to provide suitable stack height as per CPCB norms to ensure proper dispersion of gases; Ambient air quality monitoring for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, NH<sub>3</sub> and VOCs as stipulated by MPPCB / CPCB shall be done on regular basis. Regular stack monitoring, Maintenance of scrubbers & condensers will be also done on regular basis.
- (xiv) Noise attenuating devices like earplugs and earmuffs shall be provided to workers exposed to high noise levels. Noise barriers, silencer and enclosures shall be incorporated in the equipments, which emit high noise level. All basic equipments and various machineries should be kept well maintained. Green belts are good noise barriers and same will be developed around the plant. The sufficient green belt may be proposed to control noise levels.

Following are the measures proposed to control the higher noise level.

- Provision of acoustic enclosure for STG, DG set
  - Provision of lining with sound absorbing materials for walls and ceilings of the concerned buildings.
  - Provision of insulated enclosures at area close to the high noise sources.
  - Provision of noise attenuating devices like ear plugs and ear muffs to the workers exposed to high noise level etc.
- (xv) The following measures will be adopted to ensure solid and hazardous waste management:

- a) Hazardous materials shall not be stored near surface waters and shall be stored under plastic sheeting to prevent leaks and spills.
- b) The recyclable items like metal, plastic shall be sent to recyclable industry, and rest of this scrap shall be stored in a covered area.
- c) Wherever materials (aggregates, sand, etc.) are more likely to generate fine airborne particles during operations, nominal wetting by water shall be practiced.
- d) Workers / labour shall be given proper air masks and helmets.
- e) Utmost care shall be taken to store these materials at a suitable place and then disposed off at a place in consultation with and as per the guidelines of Madhya Pradesh SPCB/CPCB

PP has proposed to dispose of the hazardous waste in the common TSDF site Ramky, Pitampur, Dhar. and also obtained membership for the same. RO reject and other hazardous waste will be sent to MEE and the residue generated from the MEE will also be sent to TSDF site.

- (xvi) It is proposed to dispose off other waste through authorized re-processors/refiners registered with CPCB/MPPCB which are as follows:-

Type of waste & Category	Maximum Quantity			Disposal Method
	Existing	Additional	Total	
Discarded drums (Cat. 33.3)	140 No/Annum	100 No/Annum	240 No/Annum	The discarded drums shall be stored separately in company premises and shall be returned back to the supplier / sold to the authorized re-conditioners / recyclers / TSDF
Flue Gas Cleaning Residue (Cat 34.1)	7 MT/Annum	8 MT/Annum	15 MT/Annum	Shall be stored separately in company premises and shall be neutralized with Caustic Soda and converted into powder by using drying technique.
Spent Ion Exchange Resincontaining toxicchemicals(Cat 34.2)	0.3 MT/Annum	0.3 MT/Annum	0.6 MT/Annum	Used Ion exchange generated will be stored properly and finally disposed off SPCB approved TSDF.
Chemical Sludge from Waste Water Treatment (Cat. 34.3)	73 MT/ Ann um	107 MT/Annum	180 MT/Annum	Company shall provide adequate storage area. The ETP waste generated will be stored properly and finally disposed off through SPCB approved TSDF.
Used Spent Oil (Cat.5.1)	2.5 MT/Annum	3.5 MT/Annum	6 MT/Annum	The used oil shall be collected and stored separately in closed containers and finally sold to the registered re-refiners.

- (xvii) For firefighting measure PP has proposed to provide fire extinguishers, hydrant system and fire. PP has also proposed Fire detection, heat detection, and alarm system to detect fire/heat/smoke in the vulnerable areas of the plant.



- (xviii) For green area development PP has submitted Green belt over an area of 731 sq mt area has already been developed with 100 number of trees and further 4858.20 sq mt of area is proposed to be developed with 1250 number of trees around periphery of the unit and in open space. It is also proposed to carry out extensive plantation within premises towards the River side. Green belt of 5 m wide will be developed all around the plant.
- (xix) Under CSR activities PP has proposed Welfare activities, Drinking water, Skill Development and school materials in nearby villages and accordingly overall Rs. 55 lakhs will be made available to conduct social activities.

Need Identified For CSR Plan	Activities	Budgetary Provision Rs. In lacs
Skill Development Programmes for youths as per the requirement of the Unit	Facilitating self-employment skill generation vocational training programmes for creating better self employment ventures through inducing skill among the youths as per the requirements of the distillery unit. A Apprentice type training in association with ITI.	12
Ensuring Safe drinking water and healthy Sanitation Practices	For ensuring this Awareness generation campaign, wall writing, village level theme camps. Construction of toilets to stop open defecation at Sagor, Methwada, Khera, Khandwa, Silotiya. Provision of supply of drinking water or payment of bills of water supply of villages.	10
Rainwater harvesting in the villages	Rain water harvesting in the villages Sagor, Methwada, Khera, Khandwa, Silotiya	7.5
Agriculture improvement camps. Promotion of drip irrigation amongst Farmers aid to the farmers	Facilitate youths & farmers of selected villages both on on-farm and off-farm activities based on need, interest and market potential. It will create better employment opportunities for the community. Promotion of advanced agriculture practices and water efficient farming practices.	10
Provision of solar lights in the villages	Solar light, Solar lamps, Solar cooker, solar pumps for farmers at common property of surrounding villages at Sagor, Methwada, Khera, Khandwa, Silotiya etc enable to reduce the dependency on the Govt electric supply	7.5
Infrastructure development at School	Infrastructure facilities at schools of nearby villages in terms of provision of computers, teachers, facility of safe drinking water, separate toilets for girls and boys etc., fans, repairing of walls, scholarship for poor as well as socially backward children on 8 <sup>th</sup> onwards and other amenities.	5
Medical camps	Provision of Ambulance and conducting yearly medical health check up camps with free distribution of medicines in villages every year	3
Need base assistance to villages/ individual basis	In consideration and with recommendation of gram panchayat	
<b>Total</b>		<b>55 Lacs</b>

Based on the information submitted at Para i to xix above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 503<sup>rd</sup> meeting held on 18.09.2018 and decided to accept the recommendations of 326<sup>th</sup> SEAC meeting held on dtd 21.08.18.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 & its amendments for the proposed expansion of Manufacturing of Sulfonated Products (Synthetic Detergents and Soaps) facility at Plot No. 57, 62, 63 & 64, Pithampur Industrial Area, Sector-3, Sagor Village, Pithampur, Dist. Dhar, (M. P) Land area – 5000 sq.m. Proposed Capacity- 36000 MT/anum by M/s Aarti Industries Ltd, 71, Udyog Kshetra,

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2nd Floor, Mulund Goregaon Link Road, Mulund West, Mumbai - 400080 subject to the compliance of the Standard Conditions and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

**A. Specific Conditions as recommended by SEIAA**

1. The entire demand of fresh water should be met through MPAKVN as committed in agreement dtd. 07.03.17
2. Fresh water should not be used for Irrigation and gardening purpose.
3. **Waste water:**
  - (a) PP should ensure "Zero effluent discharge" from the unit by 100% recycling. The water softening reject, boiler blow down reject and cooling blow down will be treated in ETP. Further treated waste water will go through the RO and finally re used/recycled in the process and unused waste water evaporate in MEE.
  - (b) RO and MEE should be provided for treatment of high COD waste streams and only in case of emergency/breakdown high COD wastes should be disposed off through CTSDF, Pithampur, Dhar.
4. **For Air Pollution:**
  - (a) PP should ensure install Bag house in stack for control of air pollution and stack height as proposed in the EIA/ EMP.
  - (b) The performance of air pollution control system should be regularly monitored and maintained.
  - (c) PP should ensure regular Stack monitoring & Ambient air quality monitoring and should be carried out as per the guidelines/norms of MPPCB/CPCB.
  - (d) In plant control measures for checking fugitive emission from all the vulnerable sources shall be provided. Fugitive emission shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator/bag filters and water sprinkling system.
  - (e) Dust suppression system including water sprinkler system/ fogging arrangement shall be provided at loading and unloading areas to control dust emission.
  - (f) Fugitive emission in the work zone environment, product, raw material storage areas etc. shall be regularly monitored.
  - (g) High efficient four stage ventury scrubber should be provided.
  - (h) Transportation of raw material and finished goods should be carried out in covered trucks.
  - (i) Company shall carry out the HAZOP study and report shall be submitted to ministry MoEF & CC Regional Office, Bhopal.
  - (j) For control of fugitive emission and VOCs following steps should be followed:-
    - Chilled brine circulation system shall be provided and it should be ensured that the solvent recovery efficiency is not be less than 95%.
    - Reactor and solvent handling pump shall be provided with mechanical seal to prevent leakage.



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- Closed handling system should be provided for chemicals.
- System of leak detection and repair of pump/pipeline should be based on preventive maintenance.
- Solvent shall be taken from underground storage tank to reactor through closed pipeline. Storage tank shall be vented through trap receiver and condenser operated on chilled water.

**5. Hazardous Waste Management:**

- As proposed above, PP should ensure disposal of hazardous waste regularly and there should be no dumping of these materials in the premises/outside.
- PP should ensure handling, disposal and management of hazardous waste as per the related prescribed rules.
- PP should obtain Renewal of authorization regularly from MPPCB for collection storage and disposal of hazardous waste (Management, handling & transboundary Movement) Rules 2008 and its amendments. Membership of the TSDF should be obtain for hazardous waste disposal.
- Hazardous chemicals should be stored in sealed tanks, drums etc. Flame arrestors shall be provided on tanks. To avoid the spillage from processing unit, Industry shall provide fully mechanized filling and packaging operation unit.
- Ensure the transportation of raw / finished material only by covered vehicles.
- Ensure the storage and handling of all the chemicals in a proper and safe manner to avoid any spillages and also to prevent runoff contamination in monsoon.
- Ensure collection & treatment of spillages, if any.
- All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of hazardous chemicals.

**6. Green Belt Development:**

- PP should ensure plantation as proposed 4858.20 sq mt of area with 1250 number of trees Plantation in the project area of indigenous local varieties like Neem, Peepal, Kadam and Kachnaar.
  - Every effort should be made to protect the existing trees on the plot.
  - Green area including thick green-belt shall be developed in at least 33% of the plot area to mitigate the effect of fugitive emissions all around the plant in consultation with the forest department as per the guidelines of CPCB.
- PP should obtain NOC /approval from competent authority for health & safety measure, Onsite & Offsite disaster management, and Risk management plan before commencing the operation of the unit.
  - PP should obtain fire NOC from the competent authority before commencing the operation of the unit.
  - PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures and energy efficient equipments.
  - PP should ensure the implementation of CSR activities to the extent of Rs. 55 as committed during presentation on regular basis in consultation with Collector, Dhar.

11. 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.
12. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
13. Total quantity of runoff water generated and green belt area should be collected in underground tank & used for process in plant to minimize fresh water requirement.
14. All other conditions as laid in the consents of MPPCB shall be applicable.

**B. Specific Conditions as recommended by SEAC**

**(A) PRE-CONSTRUCTION PHASE**

15. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
16. For dust suppression, regular sprinkling of water should be undertaken.
17. PP will obtain other necessary clearances/NOC from respective authorities.
18. Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

**(B) CONSTRUCTION PHASE**

19. As proposed, the land allotted by AKVN shall be developed as green belt as early as possible.
20. PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
21. Fire extinguishers should be provided on site during construction/ plant erection period.
22. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
23. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority. Waste material may also be used for construction of internal roads.
24. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 1250 number of trees in addition to the existing plantation of 100 numbers will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
25. MSW of various labours generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
26. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Tran-sboundary Movement) Rules, 2016 after obtaining authorization.

**(C) POST CONSTRUCTION/OPERATIONAL PHASE**

27. Total water requirement for the project (existing & expansion) shall not exceed 263 KLD.



28. No waste water shall be generated from the process. Total waste water generation from other sources shall not exceed from 48 KL/day. The existing ETP 45 KL/day and STP of 10 KLD shall be maintained and operated properly to meet out the given norms of MPPCB.
29. The treated water will be used for cooling towers, floor washing and gardening/green belt. No industrial effluent from the unit shall be discharged outside the plant premises and Zero discharge shall be maintained.
30. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
31. A drain along the boundary wall shall be made, which will be connected proposed settling tank/water reservoir to protect the flow of contaminant from outside of the plant.
32. The device best suitable for the project site will be installed for monitoring/detecting the concentration of toxic fumes/SO<sub>3</sub> in the work zone on continuous basis. Regular monitoring of gases , concentration in work zone shall be carried out
33. Height of proposed stacks will be as per statutory requirement. All the stacks will have Stack Monitoring Facility (SMF) consisting of sampling port-hole, platform and access ladder.
34. Bag Filters and alkali scrubber shall be installed for proposed expansion
35. On-line continuous monitoring system shall be provided for stack of boiler.
36. Ambient air quality shall be regularly monitored to ensure that ambient air quality shall be met the limit at all the time.
37. Regular monitoring of the stack emission of existing and proposed scrubber shall be carried out.
38. Additional greenbelt shall be developed around the plant and over plot allotted by AKVN to arrest the fugitive emission. Total green area of 5700 sq mtrs shall be developed as per given land scape plan.
39. Alkaline Scrubber shall be provided at reactor's vent to control process SO<sub>2</sub>/SO<sub>3</sub> emission.
40. Fly ash generated shall be stored in silos and disposed of through Brick / Cement manufacturers by bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
41. Hazardous wastes should be disposed off as per the authorization issued by MP Pollution Control Board.
42. Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
43. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
44. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
45. Measures should be taken to prevent entry of run-off into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.

46. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
47. 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.
48. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
49. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
50. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account or a proper and effective accounting system should be used.
51. The expansion project should also be monitored through SCADA system for effective monitoring and data should be recorded for the compliance purpose.
52. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.
53. 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, the Public Liability Insurance Act for handling of hazardous chemicals, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016 etc.
54. 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.
55. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
56. Ultrasonic/Magnetic flow/Digital meters shall be provided at all water abstraction points and records for the same shall be maintained regularly.
57. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

**(D) ENTIRE LIFE OF THE PROJECT**

58. The proposed EMP cost is Rs. 625.50 Lacs as capital and Rs. 35 lacs /year (Exclusive of the O&M cost of Air Pollution Control system, ETP, MEE, Incinerator, Rain water Harvesting) are proposed as recurring expenses out of which Rs. 2.50 lacs is proposed for additional green belt development and Rs 0.75 lacs /year for recurring expenses for plantation in the proposed EMP of this project.
59. Under CSR activity, Rs. 55 lacs are proposed for the next 05 years in different activities and should be implemented through respective committees.
60. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be complied and monitored through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

61. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
62. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
63. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.

**Standard Conditions:**

1. 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.
2. 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.
3. The process emissions, VOCs and particulate matter from 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.
4. 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.
5. The company shall carry out the HAZOP study and the report shall be submitted to Regional Office of MoEF, GoI at Bhopal.
6. The company shall comply with the CREP guidelines prepared by MPPCB for Bulk Drug Plants.
7. The company shall develop greenbelt in the project area as per the guidelines of CPCB to mitigate the effect of fugitive emission.
8. During transfer of materials, spillages shall be avoided and gullies and drains be constructed to avoid mixings of accidental spillages with domestic waste and storm drains.
9. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
10. Industry should get the Emergency Disaster Management Plan approved by DTSS and should also comply with the provisions made in Public Liability Insurance Act, 1991.
11. All activities / mitigative measures proposed by PP in Environmental Impact Assessment must be ensured.
12. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
13. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.

14. 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.
15. The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
16. 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.
17. 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.
18. 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.
19. The Regional Office, MoEF, GoI, 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, GoI, Bhopal and MP PCB.
20. 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.
21. The project proponent has to strictly follow directions/guideline issued by the MoEF, GoI, CPCB and other Govt. agencies from time to time.
22. 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](http://www.mpseiaa.nic.in) and a copy of the same shall be forwarded to the Regional Office, MoEF, GoI, Bhopal and MP PCB.
23. The Project Proponent has to upload soft copy of half yearly compliance report of the stipulated prior environmental clearance terms and conditions on 1st June and 1st December of each calendar year on MoEF & CC web portal - <http://www.environmentclearance.nic.in/> or <http://www.efclearance.nic.in/> and submit hard copy of compliance report of the stipulated prior environmental clearance terms and conditions to the Regulatory Authority also



24. 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.
25. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF, GoI, Bhopal, MP PCB within six months.
26. 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.
27. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
28. 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.
29. 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.
30. The prior Environmental Clearance granted for the project is valid for a period of five years as per EIA notification dtd. 14.09.2006.
31. 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>, NO<sub>x</sub> (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.
32. 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.

Endt No.  
Copy to:-

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/ SEIAA/ 2018

Dated 11.10.18

*Jitendra Singh Raje*  
(Jitendra Singh Raje)  
Member Secretary

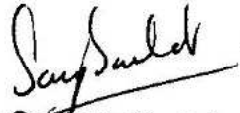
- (1). Principal Secretary, Urban Development & Environment Deptt. 3<sup>rd</sup> Floor, Mantralaya Vallabh Bhawan, Bhopal.
- (2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.

Case No. 5662/2018

Issued vide letter no. .... dated .....

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

- (3). Member Secretary, Madhya Pradesh Pollution Control Board, 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.

  
(Dr. Sanjeev Sachdev)  
Officer-in-Charge

*o/c*