

**SIX MONTHLY EC COMPLAINT  
REPORT**

**FOR THE PERIOD OF  
APRIL 2017 TO SEPTEMBER 2017**

**FOR  
THE MANUFACTURE  
OF  
ETHYL CELLULOSE  
BY**

**M/S Asha Cellulose (I) Pvt. Ltd  
Limited**

**Plot No. 303/2 & 302/P, Village: Abrama, Tehsil &  
District: Valsad, Gujarat**

**File No. J-11011/316/2011-IA II (I) dated 25<sup>th</sup> June 2015.**

**Date: 09/08/2018**

**To,**

**Dr. H V C Chary Guntupalli (Scientist 'D')  
Ministry of Environment, Forest & Climate change,  
Regional office, Western Region,  
Kendriya Paryavaran Bhavan,  
Link Road No. 3, E-5, Ravishanker Nagar,  
Bhopal - 462 016 (M.P)**

**Kind Attn: Dr. Guntupalli Mail: apccfbhopal@gmail.com/rowz.bpl-mef@nic.in**

**SUB: - Expansion of Ethyl Cellulose manufacturing unit at Plot. No. 303/2 & 302/P, Village: Abrama, Tehsil & District: Valsad, Gujarat by M/s. Asha Cellulose (I) Pvt. Limited.**

**File No. J-11011/316/2011-IA II (I) dated 25<sup>th</sup> June 2015.**

Respected Sir,

With reference to your above letter, we are pleased to submit the six monthly EC compliance report for a period of **April 2017 to September 2017** along with supporting documents.

We have obtained environmental clearance from MoEF , New Delhi for our proposed expansion of existing products at existing plant in the month of June 2015 vide no. **J-11011/316/2011-IA II (I) dated 25<sup>th</sup> June 2015**. Copy of EC is enclosed herewith as **Annexure: I**.

After obtaining Environmental Clearance we have obtained Consent to Establish (CTE) of SPCB and CCA for existing as well as proposed expansion project vide no. **AWH-87084, Date of issue: 12/07/2017 valid up to 31/03/2022**. Copy of CCA is enclosed herewith as **Annexure: II**.

We are pleased to submit the following details as required by you.

- (i) Present status (Physical/civil) of work progress:** Expansion project is already commissioned.

**(ii) Period of Compliance for which compliance report is being submitted.** We are submitting herewith EC compliance report for a period of April 2017 to September 2017.

**(iii) Copies of**

- **EIA/EMP/Form-I.:** Already sent to Regional office Bhopal.
- **Recommendation of the Public Hearing, If any.**
- **Consent to Establish/Operate from GPCB.** Enclosed herewith as **Annexure: II.**

**(iv) Details of show cause/closure notice issued by GPCB/CPCB during last 3 years.:** Details of show cause notice/closure notice and its compliance for last three years is enclosed herewith as **Annexure: III**

**(v) Details of court cases.** There is no court cases against the unit.

**(vi) Information about any expansion/replacement/construction work undertaken without valid approval/EC.:** We undertake that; we have not started any expansion/replacement/construction work without prior of EC.

**(vii) Copy of advertisement: Annexure: IV.**

**(viii) The information in the enclosed Data- Sheet. :** Data sheet is enclosed herewith as **Annexure: V.**

**We request you to kindly issue us certified compliance report of our existing environmental clearance.**

**Please do the needful and oblige.**

**Thanking You,**

**Yours Faithfully**

**FOR ASHA CELLULOSE (I) PVT. LIMITED**

**DIRECTOR  
(Mr. K. Srinivas)  
Mob: 98251 32304**

**ANNEXURE: I**  
**COPY OF ENVIRONMENTAL CLEARANCE**

F. No. J-11011/316/2011- IA II (I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(I.A. Division)

Indira Paryavaran Bhawan  
Aliganj, Jorbagh Road,  
New Delhi -110003

E-mail : [lk.bokolia@nic.in](mailto:lk.bokolia@nic.in)  
Telefax : 011-24695313  
Date: 25<sup>th</sup> June, 2015

To,  
✓ Shri K.Srinivas, Technical Director  
M/s Asha Cellulose (I) Pvt Ltd.  
Plot No.303/2 & 302/P, Village Abrama  
Tehsil & District Valsad, Gujarat

E-mail: [valsad@ashacel.com](mailto:valsad@ashacel.com) / [srini@ashacel.com](mailto:srini@ashacel.com) ; Fax No.02632-227019:

Subject: Expansion of existing Ethyl Cellulose Unit (20 TPM) by installing Organic Chemical Plant (79.69 TPM) at Sy. No. 303/2 & 302/P, Village Abrama, Tehsil & District Valsad, Gujarat by M/s Asha Cellulose (I) Pvt. Ltd. - Environmental Clearance reg.

Ref. : Your letter no. nil dated 24<sup>th</sup> December, 2012.

Sir,

This has reference to your letter dated 24<sup>th</sup> December, 2012 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report alongwith Public Hearing Report and subsequent submission of addl. information vide letter dated 19<sup>th</sup> December, 2014 regarding above mentioned project.

2.0 The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that proposal is for expansion of existing Ethyl Cellulose Unit (20 TPM) by installing Organic Chemical Plant (79.69 TPM) at Sy. No. 303/2 & 302/P, Village Abrama, Tehsil & District Valsad, Gujarat. River Auranga and Arabian sea is at located at a distance of 0.5 km. & 12 km respectively. Total plot area is 22.062 m<sup>2</sup>. Out of which greenbelt will be developed in 6325 m<sup>2</sup>. Expansion will be carried out in the existing campus only. Total cost of the proposed expansion project is Rs. 10.5 Crore. Rs. 1.68 Crore and Rs. 28.13 Lakh are earmarked towards capital cost and recurring cost for implementation of environmental management plan. It is reported that no national park/wildlife sanctuary is located within 10 Km distance. Patches of reserve forest is located within 10 km distance. Gujarat SCZM vide their letter no ENV-10-2013-74-E dated 3<sup>rd</sup> December, 2014 has clarified that proposed plant for expansion is not falling within CRZ area and does not attract the provision of CRZ Notification 2011. They have also directed not to carry out any construction activity (4800 m<sup>2</sup>), which attracts the provision of CRZ notification 2011 and not to discharge any treated effluent into the estuary of river Auranga without obtaining necessary permission from the Competent Authority. Following products will be manufactured:

S. N.	Name of the Products	Capacity (MTPM)			Remarks
		Existing	Proposed	Total after expansion	
1	Ethyl Cellulose (Aqua Process)	20	0	20	Product from both the processes shall be manufactured.
2	Ethyl Cellulose (Solvent Process)	0	79.69	79.69	
	Total	20	79.69	99.69	

#### List of By-products

S.N.	Name of the Product	Capacity (MTPM)			Remarks
		Existing	Proposed	Total	
1	Spent Caustic (18-20%)	369.2	0	369.2	Sold to actual users

3.0 Stack of adequate height will be provided to additional gas fired steam boiler and hot air generator to disperse the waste gases. Bag filter will be provided to additional spin flash dryers. Water requirement will be increased from 52.7 m<sup>3</sup>/day to 287.5 m<sup>3</sup>/day after expansion. Out of which, fresh water requirement from ground water source will be 52.7 m<sup>3</sup>/day and remaining/balance water requirement will be met from recycled water. Industrial effluent generation will be increased from 38 m<sup>3</sup>/day to 240.5 m<sup>3</sup>/day after expansion. Effluent will be treated in the effluent treatment plant (ETP) comprising primary, secondary and tertiary treatment (Reverse Osmosis). RO rejects will be evaporated in the Multiple Effect Evaporator (MEE). No effluent will be discharged outside the plant premises. RO permeates and Condensate from evaporator will be recycled/reused for cooling tower make up/process. 'Zero' effluent discharge shall be adopted and no effluent will be discharged outside the premises. Salts from MEE will be disposed off into TSDF. Waste oil/spent oil will be sold to registered recyclers/re-processors.

4.0 Public hearings/public consultation was held on 15<sup>th</sup> December, 2012.

5.0 All Synthetic Organic Chemicals Industry located outside the notified industrial area/estate are listed at S.N. 5(f) under category 'A' and appraised at Central level.

6.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its meetings held during 20<sup>th</sup>-21<sup>st</sup> October, 2011, 5<sup>th</sup>-7<sup>th</sup> March, 2013 and 16<sup>th</sup>-17<sup>th</sup> March, 2015 respectively. Project Proponent and the EIA Consultant namely M/s Precitech Laboratories, have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

7.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006, subject to the compliance of the following Specific and General Conditions:

#### **A. SPECIFIC CONDITIONS:**

- National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21<sup>st</sup> July, 2010 and amended time to time shall be followed by the unit.
- Adequate stack height should be provided to gas fired boiler/hot air generator. Bag filter shall be provided to additional spin flash dryers. At no time, the emission levels should go beyond the prescribed standards.

*for*



- iii) In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored.
- iv) Solvent management shall be carried out as follows :
- i. Reactor shall be connected to chilled brine condenser system
  - ii. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
  - iii. The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.
  - iv. Solvents shall be stored in a separate space specified with all safety measures.
  - v. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
  - vi. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
  - vii. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- v) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
- vi) The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its 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 GPCB. The levels of  $PM_{10}$ ,  $PM_{2.5}$ ,  $SO_2$ ,  $NO_x$ , VOC and CO in ambient air and emissions from the stacks shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.
- vii) Total fresh water requirement from ground water source should not exceed  $52.7 \text{ m}^3/\text{day}$  and prior permission should be obtained from the CGWA/SGWA.
- viii) Total effluent generation shall not exceed  $240.5 \text{ m}^3/\text{day}$ . Effluent shall be should be treated in in the ETP comprising primary, secondary and tertiary treatment (RO). RO rejects will be evaporated in MEE. The RO permeates and MEE condensate shall be recycled in the process.
- ix) 'Zero' effluent discharge shall be adopted and no effluent will be discharged outside the premises.
- x) Automatic /online monitoring system (24 x 7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Company's website.

- xi) No effluent shall be discharged into river. In the event of failure of any effluent treatment plant adopted by the unit, the Organic Chemical plant shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- xii) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- xiii) Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps.
- xiv) As proposed, process organic residue and spent carbon should be sent to cement industries. ETP sludge, process inorganic & evaporation salt should be disposed off to the TSDF.
- xv) The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. Measures shall be taken for fire fighting facilities in case of emergency. Membership of TSDF for hazardous waste disposal shall be obtained.
- xvi) The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 11989 as amended in October, 1994 and January, 2000. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
- xvii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- xviii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xix) Green belt over 6325 m<sup>2</sup> area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xx) All the commitments made to the public during the Public Hearing/Public Consultation meeting held on 15<sup>th</sup> December, 2012 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhopal.
- xxi) At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.
- xxii) Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.

**B. GENERAL CONDITIONS:**


- i. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the Gujarat Pollution Control Board (GPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- iv. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- v. The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
- vi. During transfer of materials, spillages shall be avoided and gullies shall be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.
- vii. Usage of Personnel Protection Equipments by all employees/ workers shall be ensured.
- viii. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- ix. The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
- x. The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.
- xi. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.



- xii. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
  - xiii. The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
  - xiv. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.
  - xv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the Gujarat Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
  - xvi. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated shall be submitted to the Gujarat 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 environmental clearance conditions and shall also be sent to the Bhopal Regional Offices of MoEF by e-mail.
  - xvii. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
  - xviii. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- 8.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 9.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
- 10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Waste (Management, Handling and

Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

11.0 Environmental Clearance is issued to M/s Asha Cellulose (I) Pvt. Ltd., expansion of existing Ethyl Cellulose Unit (20 TPM) by installing Organic Chemical Plant (79.69 TPM) at Sy. No. 303/2 & 302/P, Village Abrama, Tehsil & District Valsad, Gujarat.

  
(Lalit Bokolia)  
Additional Director

Copy to:-

1. The Principal Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8<sup>th</sup> Floor, Gandhi Nagar - 382 010, Gujarat.
2. The Chief Conservator of Forests (Western Zone), Ministry of Environment & Forests, Regional Office, E-5, Arera Colony, Link Road -3, Bhopal -462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043, Gujarat.
5. Monitoring Cell, Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhavan, Jor Bagh, New Delhi.
6. Guard File/Monitoring File/Record File.

/   
(Lalit Bokolia)  
Additional Director

## **ANNEXURE: II**

### **COPY OF CONSENT TO ESTABLISH ISSUED BY GPCB**



#### **GUJARAT POLLUTION CONTROL BOARD**

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, framed under the Environmental (Protection) Act-1986.

And whereas Board has received CC& A application inward no: 122307 dated 23/05/2017 for the Consolidated Consent and Authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

#### **CONSENTS AND AUTHORISATION:**

(Under the provisions /rules of the aforesaid environmental acts)

To  
✓ M/S. ASHA CELLULOSE (I) PVT LTD,  
PLOT NO: SHED NO: 303/2, 302/P,  
VILLAGE-ABRAMA, ABRAMA - 396001,  
DIST.: VALSAD.

1. Consent Order No.: AWH- 87084, Date of issue: 12/07/2017.
2. The consents shall be valid up to 31/03/2022 for use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for manufacture of the following items/products:

Sr. No.	Product	Quantity (MT/Month)
1.	Ethyl Cellulose (Aqua Process)	20
2.	Ethyl Cellulose (Solvent Process)	31.72
3.	Ethyl Cellulose Aqueous Dispersion. Non-Plasticized	20.124
4.	Ethyl Cellulose Aqueous Dispersion- Plasticized	24.70
<b>By-Product</b>		
5.	Spent Caustic lye (18-20%)	369.2

#### **SUBJECT TO THE FOLLOWING CONDITIONS:-**

- Management of Solid Waste generated from industrial activities shall be as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46)).
- As per provision of Rule-18 of Solid Waste Management Rules-2016 all industrial units using fuel and located within 100 km from the refused derived fuel (RDF) plant shall made an arrangement to replace at least five percent of their fuel requirement by refused derived fuel so produced.

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### 3 CONDITIONS UNDER THE WATER ACT:

3.1 The quantity of total water consumption shall not exceed 155.48 KLD as per below break up. Source of fresh water shall be only from Borewell. Unit shall submit NOC from Central Ground Water Authority (CGWA) for use of borewell water.

- a) Domestic: 2.2 KLD
- b) Industrial: 149.78 KLD

3.2 The quantity of trade effluent discharge from the industry shall not exceed **121.5 KLD**. Entire effluent shall be treated in ETP, followed by RO & MEE and achieve zero liquid discharge condition.

3.3 The quantity of Sewage effluent from the industry shall not exceed **1.5 KLD**.

3.4 Domestic effluent shall be disposed off through septic tank/soak pit system.

### 4. CONDITIONS UNDER THE AIR ACT:

4.1 The following shall be used as fuel in the Boilers, Hot Air Generations & D.G.Sets.

Sr. No.	Fuel	Quantity
1.	Natural Gas/Furnace Oil for 3 TPH Boiler	230 Scm/Hr / 200 Kg/hr
2.	Furnace Oil/LDO for 800 Kgs/Hr Boiler II	25 Lits/Hr
3.	Furnace Oil/LDO for 800 Kgs/Hr Boiler III	25 Lits/Hr
4.	Furnace Oil/LDO for 800 Kgs/Hr Boiler IV	25 Lits/Hr
5.	LDO/Natural Gas for 6 Lacs K Cal Hot air Generator	40 LPH/505CM
6.	LDO/Natural Gas for 6 Lacs K Cal Hot air Generator	40 LPH/505CM
7.	HSD for D.G.Set-I 110 KV	45 Kg/Hr
8.	HSD for D.G.Set-II 35 KVA	15 Kg/Hr

4.2 The flue gas emission through existing stack shall conform to the following standards:

Stack No.	Stack attached to	Stack height in Meter	Parameter	Permissible Limit
1.	Boiler (3 TPH)	30	PM	100 mg/NM <sup>3</sup>
2.	Boiler II (800 Kgs/Hr)	15	SO <sub>2</sub>	100 ppm
3.	Boiler III (800 Kgs/Hr)		NO <sub>x</sub>	50 ppm
4.	Boiler IV (800 Kgs/Hr)			





## GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

5.	Hot air Generator (6 Lacs K Cal)			
6.	Hot air Generator (6 Lacs K Cal)			
7.	D.G. Set I (110 KVA)	11		
8.	D.G. Set II (35 KVA)			

- 4.3 The Process emission through various stacks/vent of reactors, process, vessel shall conform to the following standards:

Stack No.	Stack attached to	Stack height in Meter	Air Pollution Control system	Parameter	Permissible Limit
1.	Spin flash Dryer-I (50 Kgs/Hr)	11	Cyclone Separator & bag filter	PM	150 mg/NM <sup>3</sup>
2.	Spin flash Dryer-II (100 Kgs/Hr)				

- 4.4 The concentration of the following substances in the ambient air within the premises of the industry and at a distance of 10 meters from the source (other than the stack / vent with height of more than 9 meters from the ground level) shall not exceed the following levels:

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient air in ug/M <sup>3</sup>
1.	Sulphur Dioxide (SO <sub>2</sub> )	Annual 24 Hours	50 80
2.	Nitrogen Dioxide (NO <sub>2</sub> )	Annual 24 Hours	40 80
3.	Particulate Matter (Size less than 10 µm) OR PM <sub>10</sub>	Annual 24 Hours	60 100
4.	Particulate Matter (Size less than 2.5 µm) OR PM <sub>2.5</sub>	Annual 24 Hours	40 60
5.	Carbon Monoxide (CO) mg/m <sup>3</sup>	8 Hours 1 Hour	02 04

- 4.5 The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed

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by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

- 4.6 The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB (a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

**5 GENERAL CONDITIONS: -**

- 5.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.

**6. Authorization under Hazardous and Other Waste (Management and Transboundary Movement) Rules-2016, Form-2 (See rule 6(2))**

- 6.1 Number of authorization: **AWH- 87084, Date of issue: 12/07/2017.**

- 6.2 Reference of application No. **122307 and date: 23/05/2017.**

- 6.3 **M/s. ASHA CELLULOSE (I) PVT LTD,** is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilization, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at **PLOT NO: SHED NO: 303/2, 302/P, VILLAGE-ABRAMA, ABRAMA - 396001, DIST.: VALSAD.**

**Details of Authorization:**

Sl. No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorized mode of disposal or recycling or utilisation or co-processing, etc.	Quantity (ton/annum) (MT/Month)
1.	Schedule-I Used oil	5.1 Collection, storage transportation, sold to registered recyclers.	0.092
2.	Schedule-I Discarded Containers/ Bags	33.1 Collection, storage transportation, Reused for packing of solid waste or sold to registered recyclers.	50
3.	Schedule-I ETP waste	35.3 Collection, storage transportation, Disposal at TSDF VWEMCL-Vapi.	109
4.	Schedule-I MEE waste	35.3 Collection, storage transportation, Disposal at TSDF VWEMCL-Vapi.	234



## GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : [www.gpcb.gov.in](http://www.gpcb.gov.in)

5.	Schedule-I Dust from air filtration system	26.2	Recycled in process	0.22
6.	Schedule-I Salt for process	26.1	Collection, storage transportation, Disposal at TSDF VWEMCL-Vapi.	1703
7.	Schedule-I Mixed solvent form the process	26.4	Collection, storage, Transportation and sale to authorized industry having permission under rule-9 of Hazardous & other wastes (Management & Transbouandry Movement) rule-2016.	942.52
8.	Schedule-I Distillation Residue/ & Laboratory organic waste	26.1	Collection, storage transportation, disposal to BEIL incineration facility.	23
9.	Schedule-I Spent carbon from ETP & Chimney	36.2	Collection, storage transportation, disposal to BEIL incineration facility.	4.8
10.	Schedule-I Date – Expired, Discarded and off- specification Material & floor sweeping	28.5	Collection, storage transportation, disposal to BEIL incineration facility.	1
11.	Schedule-I Spent Filter cloth & filter material	36.2	Collection, storage transportation, disposal to BEIL incineration facility.	1
12.	Schedule-I Spent Resins from D.M. plant	35.2	Collection, storage transportation, Disposal at TSDF VWEMCL-Vapi OR BEIL incineration facility.	1
13.	Used hot & cold insulation material	X-XO2	Collection, storage transportation, Disposal at TSDF VWEMCL-Vapi OR BEIL incineration facility.	0.5

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13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

14. Annual return shall be filed by June 30<sup>th</sup> for the period ensuring 31<sup>st</sup> March of the year.

### B. Specific Conditions (Whichever is applicable)

1. The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.
2. Handing over of the hazardous and other wastes to the authorised actual user shall be only after making the entry into the passbook of the actual user.
3. In case of renewal of authorisation, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorization for hazardous and other wastes shall be submitted to SPCB.
4. The occupier of the facility shall comply Standard operating procedure/ guidelines published by MoEF&CC or CPCB or GPCB from time to time.
5. Unit shall comply provisions of E-Waste Management Rules-2016.

For and on behalf of  
Gujarat Pollution Control Board

*D.P. Shah*  
(Smt.D.P.Shah)  
Environmental Engineer

NO: GPCB/CCA-VSD-152(3)/ID: 23135/

Issued to:  
M/S. ASHA CELLULOSE (I) PVT LTD,  
PLOT NO: SHED NO: 303/2, 302/P,  
VILLAGE-ABRAMA, ABRAMA - 396001,  
DIST.: VALSAD.

Signature Not Verified

Digitally signed by SHAH  
DIPTI PRAKASH  
Date: 2017.07.21 11:39:22 IST  
Reason: Secure Document  
Location: India

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### **ANNEXURE: III**

#### **SHOW CAUSE NOTICE/CLOSURE NOTICE ISSUED BY GPCB/CPCB & ITS COMPLIANCE**

<b>Sr . No</b>	<b>Date</b>	<b>Reason For Show Cause Notice</b>	<b>Compliance</b>
1	05.05.2015	You have stored ETP sludge on open land.	Complied with by shifting entire ETP waste into secured storage area within the premises and finally disposed off into TSDF.
2	28.07.2016	Written instructions were given during the visit, you are directed to submit detailed action taken report with supporting documents (if not submitted).	We have already uploaded on xgn and submitted copy of compliance of written instruction given during the inspection of our unit by the officers from GPCB
3	20.04.2017	Unit is not operated MEE on regular basis.	We have installed our MEE for full production capacity, but our production plant was operated on 60-70% production capacity and hence there was no sufficient effluent to meet the capacity of MEE and we were operating our MEE thrice a week.
4	23.03.2018	The recent past result of inlet and outlet of CETP are not as per prescribed limits.	This is not applicable to us, as we are a ZLD unit and we are not discharging our treated effluent into CETP.

#### **ANNEXURE: IV**

#### **COPY OF ADVERTISEMENT FOR PUBLIC NOTICE**

**ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ**  
પર્યાવરણ ભવન, સેક્ટર ૧૦ અ, ગાંધીનગર-૩૮૨૦૧૦  
ટેલી ૦૭૯-૨૩૨ ૩૨૧૫૨ ફેક્સ ૦૭૯-૨૩૨૨ ૨૭૮૪ www.gpcb.gov.in

**જાહેર સૂચના**

ભારત સરકારના વન અને પર્યાવરણ મંત્રાલય, નવી દિલ્હીના જાહેરનામા ક્રમાંક : એસ.ઓ. ૧૫૩૩ તારીખ, ૧૪-૯-૨૦૦૬ અન્વયે જણાવવાનું કે, મેસર્સ આશા સેલ્યુલોઝ (આઈ) પ્રા.લી. સર્વે નં. ૩૦૨/૨ અને ૩૦૨/પી, ગામ : અબ્રામ, તા.જિ.વલસાડ દ્વારા હયાત ઈથાયલ સેલ્યુલોઝ ૨૦ ટીપીએમ પ્લાન્ટની ઉત્પાદન ક્ષમતા ૯૯.૬૯ ટીપીએમ વધારવા માટેની પરીયોજના (પ્રોજેક્ટ) કેટેગરી "એ" અંતર્ગત વલસાડ વિસ્તાર માટે તેઓની અરજી અંગે મળેલ છે.

લોકસુનાવણીની પ્રક્રિયાના ભાગરૂપે લાગતાવળગતા સ્થાનિક અસરગ્રસ્ત લોકોનું ધ્યાન દોરીને સદર લોકસુનાવણી દરમિયાન હાજર રહેવા અથવા તેઓની ટીકા-ટિપ્પણી લેખિતમાં સભ્ય સચિવશ્રી, ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડને મોકલવા વિનંતી છે.

રસ ધરાવતી અન્ય વ્યક્તિઓને પણ તેઓની ટીકા-ટિપ્પણી લેખિતમાં પર્યાવરણ સુનાવણીની તારીખ પહેલાં લેખિતમાં સભ્ય સચિવશ્રી ગુ.પ્ર.નિ.બોર્ડને મોકલવા વિનંતી છે.

અત્રે ઉલ્લેખનીય છે કે, પ્રોજેક્ટના ઈઆઈએ (એન્વિરોનમેન્ટ ઈમ્પેક્ટ એસેસમેન્ટ) અહેવાલના મુસદ્દાની પ્રત તથા એન્વિરોનમેન્ટ ઈમ્પેક્ટ એસેસમેન્ટનો સંક્ષિપ્ત અહેવાલની પ્રત નીચે દર્શાવેલ ઓથોરિટી/કાર્યાલયો ખાતે કામકાજના દિવસો દરમિયાન લોકસુનાવણીના દિન સુધી નિહાળી શકાશે.

૧. જિલ્લા કલેક્ટરશ્રીની કચેરી, વલસાડ
૨. જિલ્લા વિકાસ અધિકારીની કચેરી, વલસાડ
૩. જિલ્લા ઉદ્યોગ કેન્દ્ર, વલસાડ
૪. તાલુકા વિકાસ અધિકારીની કચેરી, તા.જિ.વલસાડ
૫. મુખ્ય વન સંરક્ષકશ્રી, પર્યાવરણ અને વન મંત્રાલય ભારત સરકારની પ્રાદેશિક કચેરી (પશ્ચિમ ઝોન), કેન્દ્રીય પર્યાવરણ ભવન, ઈ-૫, અરેરા કોલોની, લીન્ક રોડ-૩, રવીશંકર કોલોની, ભોપાલ - ૪૬૨૦૧૬.
૬. પ્રાદેશિક કચેરી, ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ, શેડ નં.સી-૫/૧૨૪, વાપી જીઆઈડીસી, હોટલ પ્રિતમ પાસે, વાપી, જિ.વલસાડ - ૩૯૬૧૯૫.

જિલ્લા કલેક્ટરશ્રી, (જિલ્લા મેજિસ્ટ્રેટ) કે, તેઓના/તેણીના પ્રતિનિધિ કે જેનો હોદ્દો અધિક જિલ્લા મેજિસ્ટ્રેટથી ઉપરતરી કક્ષાનો ન હોય, તેવી વ્યક્તિ સદર લોકસુનાવણીની કામગીરીનું દેખરેખ અને સંચાલન કરશે.

લોકસુનાવણીની તારીખ. ૧૫-૧૨-૨૦૧૨ ના રોજ ૧૧-૦૦ કલાકે, શ્રી સૌરાષ્ટ્ર પટેલ કડવા પાટીદાર સમાજ હોલ, ધરમપુર ચાર રસ્તા, નેશનલ હાઈવે નં. ૮ વલસાડ તા.જિ.વલસાડ - ૩૯૬૦૦૧. ખાતે યોજવામાં આવેલ છે.

સ્થળ : ગાંધીનગર  
તા. ૦૫-૧૧-૨૦૧૨

હાર્દિક શાહ  
સભ્ય સચિવ

**Gujarat Pollution Control Board**  
Paryavaran Bhavan, Sector 10 A, Gandhinagar 382 010  
Tel 079-23232152 Fax 079-23222784 www.gpcb.gov.in

**Public Notice**

It is hereby informed that as per the Ministry of Environment and Forests, Government of India, New Delhi vide its Notification no. S.O. 1533 dated September 14, 2006, Public Hearing has been fixed for **M/s. Asha Cellulose (I) Pvt. Ltd., for Expansion of existing capacity of Ethyl Cellulose plant from 20 TPM to 99.69 TPM, at Survey No. 303/2 & 302/P, Village : Abrama Tehsil & Dist : Valsad covered under Category "A" as mentioned in their request application.**

All plausible stake holder of the project are requested to remain present in the public hearing or send their response in writing to Member Secretary, GPCB.

Other interested persons can submit their responses to Member Secretary, GPCB in writing before the hearing date.

It may be noted that, draft Environment Impact Assessment report and the Executive Summary of Environment Impact Assessment Report of the project has been sent to the following authorities or offices to make it available for inspection to the public during normal office hours, till the Public Hearing is over.

1. The District Collector Office, Valsad
2. District Development Office, Valsad
3. District Industry Centre, Valsad
4. Taluka Development Office, Tal. & Dist. Valsad
5. The Chief Conservator of Forests, Ministry of Environment & Forests, GOI, Regional Office (West Zone), Kendriya Paryavaran Bhavan, E- 5, Arera Colony, Link Road 3, Ravisankar Colony, Bhopal 462 016
6. Regional Office, GPCB, Vapi, Shed no. C 5/124, Vapi, GIDC, Near Hotel Pritam, Vapi-396 195, Dist. Valsad.

The District Magistrate or his or her representative not below the rank of an Additional District Magistrate shall supervise and preside over the entire public hearing process.

The Public Hearing is scheduled to be held on **15.12.2012 at 11:00 hrs, Shree Saurashtra Patel Kadva Patidar Samaj Hall, Dharampur char Rasta, N.H. No. 8, Valsad, Ta. & Dist. Valsad.**

Place : Gandhinagar  
Date : 05.11.2012

Hardik Shah  
Member Secretary, GPCB

**ANNEXURE: V**  
**MONITORING REPORT**  
**PART - I**  
**DATA SHEET**

1.	Project type : River-	Industry
----	-----------------------	----------

	Valley/Mining/Industry/Thermal/Nuclear /Other	
2.	Name of the Project	<b>Asha Cellulose (I) Pvt. Limited</b>
3.	Clearance letter(s) OM No. and date	<b>J-11011/316/2011-IA II (I) dated 25.06.2015</b>
4.	Location:	<b>Plot. No. 303/2 &amp; 302/P, Village: Abrama, Tehsil &amp; Dist: Valsad, Gujarat</b>
	(a) District (s)	<b>Valsad</b>
	(b) State (s)	<b>Gujarat</b>
	(c) Location Latitude/Longitude	<b>20°35' 38.39" N Latitude &amp; 72° 57'40.59" E Longitude.</b>
5.	Address for correspondence	<b>Plot. No. 303/2 &amp; 302/P, Village: Abrama, Tehsil &amp; Dist: Valsad, Gujarat</b>
	(a) Address of the correspondence Project Chief Engineer (with pin Code & telephone/Telex/Fax numbers)	<b>Mr. K Srinivasan- Director technical M/s. Asha Cellulose (I) Pvt. Limited Plot. No. 303/2 &amp; 302/P, Village: Abrama, Tehsil &amp; Dist: Valsad, Gujarat Mobile no. +91 9825132304</b>
	(b) Address of the Executive Project Engineer/Manager	<b>Mr. K Srinivasan- Director technical M/s. Asha Cellulose (I) Pvt. Limited Plot. No. 303/2 &amp; 302/P, Village: Abrama, Tehsil &amp; Dist: Valsad, Gujarat Mobile no. +91 9825132304</b>
6.	Salient Features	<b>Annexure: 5.1 attached</b>
	(a) Of the Project	<b>Annexure: 5.1 attached</b>
	(b) Of the EMP	<b>Annexure: 5.1 attached</b>
7.	Breakup of the Project area	Total 22062 m <sup>2</sup>
	(a) Submergence area : forest non-forest	Not applicable
	(b) Others	Non agriculture land



8.	Breakup of the project affected population with enumeration of those losing houses/dwelling units only agricultural land only both dwelling units & agricultural land & landless laborers/artisans:	Not applicable as we had purchased non agriculture land
	(a) SC, ST/Adivasi	Not applicable as we had purchased non agriculture land
	(b) Others	Not applicable as we had purchased non agriculture land
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details & year of survey)	Not applicable as we had purchased non agriculture land
9.	Financial Details	
	(a) Project cost as originally planned and subsequent revised estimates and the year of price reference	<b>Originally project cost Rs. 1490 lakhs. There are no changes in project cost</b>
	(b) Allocation made for EMP with item wise and year wise break-up	<b>Total Rs. 210 lakhs for EMS Rs. 192 lakhs for effluent treatment plant, RO plant and MEE Rs. 8.0 lakhs for MDC and bag filter and chimney Rs. 10 lakhs for the membership of TSDF, CHWIF and disposal of hazardous waste. Entire allocation was done in the year of 2015.</b>
	I BC ratio/IRR and the year of assessment	1.0: 1.15
	(d) Whether © includes the cost of EMS as shown in the above	-
	(e) Actual expenditure incurred on the project so far	Rs. 1490 lakhs
	(f) Actual expenditure incurred on the EMP so far	Total Rs. 210 lakhs
1	Forest land requirement	Not applicable as we had

0.		purchased non agriculture land
	(a) The status of approval for diversion of forest land for non forestry use	Not applicable as we had purchased non agriculture land
	(b) The status of clearing felling	Not applicable as we had purchased non agriculture land
	© The status of CA, if any	Not applicable as we had purchased non agriculture land
	(d) comments on the viability & sustainability of CA program in the light of actual field experience so far	Not applicable as we had purchased non agriculture land
1 1.	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach Rods.), if any with quantitative information required.	Not applicable as we had purchased non agriculture land
1 2.	Status of construction (Actual &/or Planned)	Plant was already commissioned in the year of 2015
	(a) Date of commencement (Actual &/or Planned)	November 2015
	(b) Date of completion (Actual &/or Planned)	-
1 3.	Reason for delay if the project is yet to start.	Project was started as per schedule
1 4.	Any pending cases/complaints against the unit	There is no any pending cases or complaints against the unit. Also there are no closure orders from GPCB/CPCB. Show cause notice received from GPCB and we have already complied with. The details of show cause notice for last Three years and its compliance is enclosed herewith as <b>Annexure: III</b>

## **ANNEXURE: 5.1**

### **SALIENT FEATURES OF THE PROJECT AFTER EXPANSION**

- Proposed expansion plant of Organic Chemicals at our existing plant located at S. No. 303/2 & 302/P, Village: Abrama, Tehsil & Di: Valsad, Gujarat by M/S Asha Cellulose (I) Pvt. Limited.
- The existing production capacity is 20 TPM of Organic Chemical, proposed production capacity will be 80 TPM of existing product, thus after proposed expansion, total capacity will be 100 TPM.
- The existing cost of the project is Rs. 694 Lacs. The cost of the proposed project will be Rs. 1490 Lacs, thus total cost of the project after proposed expansion will be Rs. 2184 lacs; out of which Rs. 248 lacs will be for environment protection measures.
- The list of the products at existing & proposed scenario are as follows;

Sr. No.	Name of the Product	Capacity, MT / Month			Remarks
		Existing	Proposed	Total after expansion	
1	ETHYL CELLULOSE ( AQUA PROCESS )	20	0	20	Product from both the processes shall be manufactured.
2	ETHYL CELLULOSE ( SOLVENT PROCESS )	0	79.69	79.69	
	Total	20	79.69	99.69	

### **LIST OF BY- PRODUCTS**

S. No.	Name of the	Capacity, MT / Month	Remarks
--------	-------------	----------------------	---------

	<b>Product</b>	<b>Existing</b>	<b>Proposed</b>	<b>Total after expansion</b>	
1	Spent Caustic (18-20%)	369.2	0	369.2	Sold to actual users
2	Mixed Solvent	34.46	110.18	144.64	Sold to authorized dealers

- Presently, company is using one number of 3 TPH capacity of steam boiler, hot air generator of 6 lacs k cal capacity, furnace oil or natural gas used as a fuel at a rate of 1920 kgs/day or 2300 SCM/day & 480 kgs/day or 580 SCM/day respectively, having 33 meters & 11 meters height of chimney & SMF is provided. There will be one 5 TPH of steam boiler & two numbers of 10 lacs k cal capacity of hot air generators will be added having fuel of furnace oil or natural gas will be used at a rate of 4020 kgs/day or 4800 SCM/day & 1620 kgs/day or 1940 SCM/day respectively. Thus after proposed expansion furnace oil consumption will be 8040 kgs/day or natural gas consumption will be 9620 SCM/day. Also 500 KVA, 110 KVA & 35 KVA of D G sets will be installed as a standby in case of power failure. 150 kgs/hr of HSD will be used for DG sets & separate 11 meters height of chimney & SMF shall be provided. Also there is a 50 kgs/hr & 250 kgs/hr capacity of spin flash dryer will be used having cyclone separator & bag filter provided along with 11 meters height of chimney. There will be no process gas emission.
- Presently 52.7 m<sup>3</sup>/day of water is used sourced from own bore well. For the proposed expansion, there will be decrease in the fresh water requirement by 3.5 m<sup>3</sup>/day, thus after proposed expansion the total fresh water requirement will be 49.2 m<sup>3</sup>/day shall be sourced from existing own bore well. Presently we are generating 38.3 m<sup>3</sup>/day of industrial effluent, which is treated in primary, secondary & tertiary effluent treatment plant & finally discharged into tidal zone of river Auranga for ultimate disposal into Arabian Sea. After proposed expansion, there will be 242.1 m<sup>3</sup>/day of effluent generation, for the treatment of which we have proposed modified effluent treatment plant consisting of primary, secondary & tertiary treatment units followed by RO system & multiple effect evaporation system. Thus, after expansion there will be no discharge of any industrial effluent on



land. Entire treated effluent will be recycled in the process. Salt from MEE will be sent to TSDF.

- After proposed expansion; 0.020 TPA of used oil from the machineries, 70 TPA of discarded containers, 220.47 TPA of waste from ETP & MEE, 0.22 TPA of dust from air filtration system, 2816.4 TPA of salt from the process, 47.19 TPA of distillation residue from the process will be generated. Used oil shall be sold to registered re-refiner; discarded containers shall be partly reused for packing & partly sold to authorized recycler. ETP waste, salt from MEE & process shall be dispose off into TSDF, residue shall be sent to CHWIF of M/S GEPIL, Surat. Each category of waste will be stored in segregated area in covered storage shed with chemical proof flooring and R.C.C. boundary wall to prevent a leaching due to rain during monsoon. Leachate collection system will be provided which is connected to ETP inlet. The company has already taken membership of common TSDF/CHWIF site of M/S VWEMCL, Vapi. GEPIL, Surat & BEIL, Ankleshwar.
- After proposed expansion, there will be usage of solvent i.e ethyl chloride as a reactant with consumption of 254 TPM & Toluene will be used as a reaction medium with consumption of 32.24 TPM. We have provided adequate solvent recovery system.
- Land Acquired: Existing 22060 m<sup>2</sup> of area with will be utilized for proposed expansion.
- Power requirement and source: Total power requirement will be 1500 KVA from DGVCL.

The project activity is listed at 5 (f) and is of A Category in the Schedule of EIA Notification, 2006.

- Land acquired: 22060 m<sup>2</sup>
- Land for Green belt: 6325 m<sup>2</sup>
- Cost of project: Total Rs. 2184 lacs
- Capital and recurring Cost earmarked for environmental protection measures: Existing capital cost for EMS is Rs. 38 lacs & operating cost is Rs. 8 lacs per Anum. After proposed expansion total capital cost will be Rs. 248 lacs & estimated operating cost will be Rs. 134 lacs per Anum.
- Raw materials with quantities for proposed product:

FOR EXISTING PROCESS

Sr. No .	Raw Materials	Consumption in TPM	
		Per tone	Per month

1	Wood pulp	0.81	16.2
2	Caustic flakes	5.385	107.7
3	Ethyl Chloride	3.365	67.3
4	Acetic acid	0.0039	0.078
	Total		191.278

#### FOR PROPOSED PROCESS

Sr. No	Raw Materials	Consumption in TPM	
		Per tonne	Per month
1	Wood pulp	0.83	66.14
2	Caustic flakes	1.74	138.66
3	Ethyl Chloride	2.34	186.47
4	Toluene	0.40	32.24
5	Acetic acid	0.59	47.02
6	SDS	0.19	15.14
	Total		485.66

- Water requirement, sources and pollution management : Source of Water: Own bore well
- Total water requirement: 49.2 m3/day
- Total industrial effluent generation: 242.1 m3/day
- Pollution management: Provide primary, secondary & tertiary treatment followed by RO & MEE system for industrial effluent stream & treated effluent shall be recycled back to the process, thus there will no discharge of any effluent on land.
- Power requirement and source: Total 1500 KVA power from DGVCL,
- Fuel requirement: FO or natural gas: 8040 kgs/day or 9620 SCM/day & 150 kgs/hr of HSD
- DG sets: 500 KVA, 110 KVA & 35 KVA

A large dashed rectangular border frames the central text.

# EC COMPLIANCE REPORT

for

**April 2017 To September 2017**

**M/s. ASHA CELLULOSE (I) PVT. LIMITED**

At,

**Plot. No. 303/2, 302/P, Village: Abrama, Tehsil &  
Dist: Valsad,  
Gujarat.**

The compliance of Specific conditions & general conditions of Environmental Clearance are as follows;

<b>Sr. No</b>	<b>CONDITIONS</b>	<b>Compliance</b>
<b>A</b>	<b>Specific Conditions</b>	
i	National Emission standards for organic chemicals Manufacturing Industry issued by the ministry vide G.S.R 608(E) dated 21 <sup>th</sup> July 2010 and amended time to time shall be followed by the unit.	We are complying with all the parameters for national emission standards for organic chemicals Manufacturing Industry issued by the ministry vide G.S.R 608(E) dated 21 <sup>th</sup> July 2010 and amended time to time by regularly monitoring of ambient air, noise level, VOC monitoring, fugitive emission and waste water analysis through NABL accredited laboratory.
ii	Adequate stack height should be provided to gas fired boiler/hot air generator, Bag filter shall be provided	We have provided 11 meters height of chimney to the gas fired boiler and hot air

	<p>to additional spin flash dryers.</p> <p>At no time, the emission levels should go beyond the prescribed standards.</p>	<p>generator as per formula <math>(H=14 (Q)^{0.3})</math>, where as Q is SO<sub>2</sub> emissions in kg /hr) given by the CPCB. Also we have provided bag filter to spin flash dryer to control particulate matter in the atmosphere.</p> <p>We ensure that, no emission level will beyond the prescribed standard.</p>
iii	<p>In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided.</p> <p>Fugitive emissions shall be controlled by providing closed storage, closed handling &amp; conveyance of chemicals/ materials, multi cyclone separator and water sprinkling system.</p> <p>Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emission.</p> <p>Fugitive emissions in the work zone environment, product, raw material storage area etc. shall be regularly monitored.</p>	<p>We have provided closed reactors, storage tanks for liquid raw materials to control the fugitive emission. Also provided alarm system to check the fugitive emission at source.</p> <p>We have provided closed storage, closed handling &amp; conveyance of chemicals/ materials, multi cyclone separator and water sprinkling system to control fugitive emission.</p> <p>We have provided RCC road within the premises and also provided water sprinkler system at loading and unloading area.</p> <p>We have regularly carried out fugitive emission in the work zone area, production plant, raw material/product storage area through NABL accredited laboratory M/S Ecosystem Resource Management Pvt. Limited, Surat on monthly basis. Results of which are enclosed herewith as <b>Annexure: VI</b>. Summary of the results are as under;</p>

	No.	Date	Name of Raw Material Storage			
			Toluene	Ethyl Alcohol	Acetic Acid	HCl
	1	05/04/2017	22.0	60.0	02.5	1.00
	2	12/05/2017	24.5	65.0	03.0	1.50
	3	09/06/2017	21.6	55.5	02.0	0.70
	4	07/07/2017	25.5	58.5	02.5	0.80
	5	10/08/2017	22.8	62.0	02.0	1.20
	6	12/09/2017	24.6	60.5	03.5	1.30
		<b>Min.</b>	<b>21.6</b>	<b>55.5</b>	<b>02.0</b>	<b>0.70</b>
		<b>Max.</b>	<b>25.5</b>	<b>65.0</b>	<b>03.5</b>	<b>1.50</b>
		<b>Permissible Limits as per factory act rules</b>	<b>100 ppm</b>	<b>1000 ppm</b>	<b>10 ppm</b>	<b>05 ppm</b>
<b>Fugitive emission was carried out by NABL accredited laboratory M/S Ecosystem Resource Management Pvt. Limited, Surat. (NABL Certificate No. TC- 6603 (in lieu of T02013) dated 26/10/2017 valid until: 25/10/2019)</b>						
iv	Solvent management shall be carried out as follows:			We are using toluene as solvent and provided adequate solvent recovery system to achieve > 95% of recovery. The details of solvent recovery plant as under;		
	i. Reactor shall be connected to chilled brine condenser system.			All the reactors are connected to the double condenser with chilled water and brine.		
	ii. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.			We have provided mechanical seal to all solvent handling pumps to prevent leakages.		
	iii. The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.			We have provided sufficient HTA to condensers to achieve more than 95% of solvent recovery.		
	iv. Solvents shall be stored in			We have provided isolated storage tanks for the storage of		



	<p>a separate space specified with all safety measures.</p> <p>v. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.</p> <p>vi. Entire plant shall be flame proof. The solvent storage tanks should be provided with breather valve to prevent losses.</p> <p>vii. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.</p>	<p>solvent.</p> <p>We have provided proper earthing to the storage tanks and in all the electrical equipment wherever solvent handling is done.</p> <p>We have provided flame proof units and also provided breather valve to storage tank to prevent losses.</p> <p>All the storage tanks are connected to the double condenser with chilled water and brine</p> <p>We are regularly monitored VOC level through NABL Accredited laboratory M/S Ecosystem Resource Management Pvt. Limited, Surat. The results of VOC monitoring is enclosed herewith as <b>Annexure: VI.</b> Summary of the results are as under</p>
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No.	Date	Results	Permissible Limits as per factory act rules
1	05/04/2017	15.50	<b>160</b>
2	12/05/2017	17.60	
3	09/06/2017	20.00	
4	07/07/2017	11.40	
5	10/08/2017	10.80	
6	12/09/2017	16.30	
	<b>Min.</b>	<b>10.80</b>	
	<b>Max.</b>	<b>20.00</b>	
<p>• <b>All Results are in microgram/m<sup>3</sup></b>  <b>VOC monitoring was carried out by M/S Ecosystem Resource Management Pvt. Limited, Surat.</b> (NABL Certificate No. TC- 6603 (in lieu of T02013) dated 26/10/2017 valid until: 25/10/2019)</p>			
v	The gaseous emissions from DG set shall be dispersed through adequate		We have provided 11 meters height of chimney to D G set as

	<p>stack height as per CPCB standards.</p> <p>Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.</p>	<p>per formula issued by CPCB <math>H = h+0.2 \times \sqrt{QVA}</math> and disperse the gaseous emission through chimney.</p> <p>We have provided acoustic enclosure to the D G set to minimize the noise pollution.</p>																										
vi	<p>The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall updates the same periodically.</p> <p>It shall simultaneously be sent to the Regional office of MoEF, the respective Zonal office of CPCB and the GPCB.</p> <p>The levels of PM<sub>10</sub>, SO<sub>2</sub> ,NO<sub>x</sub>, Co<sub>x</sub>, VOC and CO ,in ambient air and emission from the stack shall be monitored and displayed at a convenient location near the main gate of company and at important public places.</p>	<p>We will upload the status of compliance of conditions mentioned in EC including results of monitored data etc on our company web site.</p> <p>We have regularly submitted EC compliance report along with monitoring data to Regional office of MoEF, CPCB and GPCB.</p> <p>We are regularly monitored level of PM<sub>10</sub>, SO<sub>2</sub> ,NO<sub>x</sub>, Co<sub>x</sub>, VOC and CO ,in ambient air and emission from the stack through NABL accredited laboratory M/S Ecosystem Resource Management Pvt. Limited, Surat on monthly basis. We have provided display board at main gate of the unit indicating monitoring data.</p> <p>Results of which are enclosed herewith as <b>Annexure: VII &amp; VIII</b>. Summary of the results are as under;</p>																										
<p style="text-align: center;"><b>Ambient Air Monitoring</b></p> <table><tr><th>N o.</th><th>Date</th><th>Location</th><th>Results PM 10</th><th>Min.</th><th>Max.</th><th>GPCB Limit</th></tr><tr><td>1</td><td>05/04/2017</td><td>Near Main Gate</td><td>82</td><td rowspan="4">42</td><td rowspan="4">82</td><td rowspan="4">100</td></tr><tr><td>2</td><td>12/05/2017</td><td>Near Main Gate</td><td>80</td></tr><tr><td>3</td><td>09/06/2017</td><td>Near Main Gate</td><td>78</td></tr><tr><td>4</td><td>07/07/20</td><td>Near Main Gate</td><td>42</td></tr></table>			N o.	Date	Location	Results PM 10	Min.	Max.	GPCB Limit	1	05/04/2017	Near Main Gate	82	42	82	100	2	12/05/2017	Near Main Gate	80	3	09/06/2017	Near Main Gate	78	4	07/07/20	Near Main Gate	42
N o.	Date	Location	Results PM 10	Min.	Max.	GPCB Limit																						
1	05/04/2017	Near Main Gate	82	42	82	100																						
2	12/05/2017	Near Main Gate	80																									
3	09/06/2017	Near Main Gate	78																									
4	07/07/20	Near Main Gate	42																									

	17					
5	10/08/2017	Near Main Gate	47			
6	12/09/2017	Near Main Gate	80			
7	05/04/2017	Near ETP	68	<b>38</b>	<b>71</b>	<b>100</b>
8	12/05/2017	Near ETP	62			
9	09/06/2017	Near ETP	71			
10	07/07/2017	Near ETP	38			
11	10/08/2017	Near ETP	40			
12	12/09/2017	Near ETP	69			

<b>N o.</b>	<b>Date</b>	<b>Location</b>	<b>Results PM 2.5</b>	<b>Min.</b>	<b>Max.</b>	<b>GPCB Limit</b>
1	05/04/2017	Near Main Gate	48	<b>24</b>	<b>48</b>	<b>60</b>
2	12/05/2017	Near Main Gate	47			
3	09/06/2017	Near Main Gate	46			
4	07/07/2017	Near Main Gate	24			
5	10/08/2017	Near Main Gate	27			
6	12/09/2017	Near Main Gate	47			
7	05/04/2017	Near ETP	40	<b>22</b>	<b>40</b>	<b>60</b>
8	12/05/2017	Near ETP	36			
9	09/06/2017	Near ETP	42			
10	07/07/2017	Near ETP	22			
11	10/08/2017	Near ETP	24			
12	12/09/2017	Near ETP	39			
<b>N o.</b>	<b>Date</b>	<b>Location</b>	<b>Results SO2</b>	<b>Min.</b>	<b>Max.</b>	<b>GPCB Limit</b>
1	05/04/2017	Near Main Gate	20	<b>12</b>	<b>20</b>	<b>80</b>
2	12/05/2017	Near Main Gate	19			

		17				
3	09/06/2017	Near Main Gate	18			
4	07/07/2017	Near Main Gate	12			
5	10/08/2017	Near Main Gate	13			
6	12/09/2017	Near Main Gate	18			
7	05/04/2017	Near ETP	14	<b>09</b>	<b>14</b>	<b>80</b>
8	12/05/2017	Near ETP	12			
9	09/06/2017	Near ETP	12			
10	07/07/2017	Near ETP	09			
11	10/08/2017	Near ETP	10			
12	12/09/2017	Near ETP	13			
<b>N o.</b>	<b>Date</b>	<b>Location</b>	<b>Results NOx</b>	<b>Min.</b>	<b>Max.</b>	<b>GPCB Limit</b>
1	05/04/2017	Near Main Gate	27	<b>16</b>	<b>29</b>	<b>80</b>
2	12/05/2017	Near Main Gate	29			
3	09/06/2017	Near Main Gate	28			
4	07/07/2017	Near Main Gate	18			
5	10/08/2017	Near Main Gate	16			
6	12/09/2017	Near Main Gate	24			
7	05/04/2017	Near ETP	18	<b>13</b>	<b>18</b>	<b>80</b>
8	12/05/2017	Near ETP	16			
9	09/06/2017	Near ETP	15			
10	07/07/2017	Near ETP	13			
11	10/08/2017	Near ETP	13			
12	12/09/2017	Near ETP	17			

• **All Results are in microgram/m3**

Ambient air monitoring was carried out by NABL accredited laboratory M/S Ecosystem Resource Management Pvt. Limited, Surat (NABL Certificate No. TC- 6603 (in lieu of T02013) dated 26/10/2017 valid until: 25/10/2019

**Flue gas emission**

No .	Date	Boiler Stack			D.G.Set (110 KVA)			D.G.Set (35 KVA)		
		PM mg/ Nm3	SO2 ppm	NOx ppm	PM mg/ Nm3	SO2 ppm	NOx ppm	PM mg/ Nm3	SO2 mg/ Nm3	NO x mg/ Nm 3
1	05/04/2017	72.50	27.80	08.36	60.00	21.50	07.32	56.90	18.40	06.88
2	12/05/2017	68.60	26.50	07.55	63.20	20.00	07.24	57.60	18.20	07.26
3	09/06/2017	75.00	28.30	08.87	62.50	24.30	08.56	62.30	20.70	07.72
4	07/07/2017	78.20	27.60	09.22	59.40	21.60	07.16	58.50	17.80	06.82
5	10/08/2017	74.30	29.00	08.56	62.30	22.20	08.25	57.40	18.20	07.36
6	12/09/2017	76.40	28.70	08.92	64.80	20.80	08.87	60.00	19.30	07.54
	<b>Min.</b>	<b>68.60</b>	<b>26.50</b>	<b>07.55</b>	<b>59.40</b>	<b>20.00</b>	<b>07.16</b>	<b>56.90</b>	<b>17.80</b>	<b>06.82</b>
	<b>Max.</b>	<b>78.20</b>	<b>29.00</b>	<b>09.22</b>	<b>64.80</b>	<b>24.30</b>	<b>08.87</b>	<b>62.30</b>	<b>20.70</b>	<b>07.72</b>
	<b>G.P.C.B. Limits</b>	<b>150</b>	<b>100</b>	<b>50</b>	<b>150</b>	<b>100</b>	<b>50</b>	<b>150</b>	<b>100</b>	<b>50</b>

**Process & Flue Gas Stack Monitoring**

N o.	Date	Dryer-1	Dryer-2	Hot Air Generator-1			Hot Air Generator 2		
		PM mg/N m3	PM mg/N m3	PM mg/ Nm 3	SO2 ppm	NO x ppm	PM mg/ Nm 3	SO2 ppm	NOx ppm
1	05/04/2017	09.50	08.30	09.20	07.20	09.24	09.80	08.20	10.22
2	12/05/2017	08.80	10.20	08.50	06.80	08.36	11.30	09.30	08.67
3	09/06/2017	08.50	13.60	09.00	05.60	08.22	10.60	07.80	09.12
4	07/07/2017	11.30	11.50	11.60	08.20	10.12	13.20	07.50	11.34
5	10/08/2017	12.60	09.60	12.50	07.60	09.66	14.80	08.60	10.52

	6	12/09/2017	08.50	10.00	10.40	07.80	11.27	11.50	09.00	11.56																																							
		Min.	08.50	08.30	08.50	05.60	08.22	09.80	07.50	08.67																																							
		Max.	12.60	13.60	12.50	08.20	11.27	14.80	09.30	11.56																																							
		G.P.C.B. Limits	150	150	150	100	50	150	100	50																																							
Flue gas emission and process gas emission monitoring was carried out by NABL accredited laboratory M/S Ecosystem Resource Management Pvt. Limited, Surat (NABL Certificate No. TC- 6603 (in lieu of T02013) dated 26/10/2017 valid until: 25/10/2019																																																	
vii	Total fresh water requirement from ground water source should not exceed 52.7 m <sup>3</sup> / day and prior permission should be obtained from the CGWA/SGWA.					<p>We are using fresh water from our own bore well. We have used average 40.5 m<sup>3</sup>/day of fresh water from our own bore well. To calculate water consumption, we have provided flow meter at the bore well. Details of water consumption for six months are as under;</p> <table><tr><th rowspan="2">S. No.</th><th rowspan="2">Month</th><th colspan="2">Water consumption, KI</th></tr><tr><th>Per month</th><th>Per day</th></tr><tr><td>1</td><td>April 2017</td><td>1090</td><td>41.9</td></tr><tr><td>2</td><td>May 2017</td><td>1084</td><td>41.6</td></tr><tr><td>3</td><td>June 2017</td><td>997</td><td>38.3</td></tr><tr><td>4</td><td>July 2017</td><td>990</td><td>38.0</td></tr><tr><td>5</td><td>August 2017</td><td>1046</td><td>40.2</td></tr><tr><td>6</td><td>Sept. 2017</td><td>1123</td><td>43.1</td></tr><tr><td></td><td>Total</td><td>6330</td><td>243.1</td></tr><tr><td></td><td>Average</td><td>1055</td><td>40.5</td></tr></table> <p>Our area was not covered under dark zone of CGWA. So we have not applied for permission of CGWA. Now it is</p>						S. No.	Month	Water consumption, KI		Per month	Per day	1	April 2017	1090	41.9	2	May 2017	1084	41.6	3	June 2017	997	38.3	4	July 2017	990	38.0	5	August 2017	1046	40.2	6	Sept. 2017	1123	43.1		Total	6330	243.1		Average	1055	40.5
S. No.	Month	Water consumption, KI																																															
		Per month	Per day																																														
1	April 2017	1090	41.9																																														
2	May 2017	1084	41.6																																														
3	June 2017	997	38.3																																														
4	July 2017	990	38.0																																														
5	August 2017	1046	40.2																																														
6	Sept. 2017	1123	43.1																																														
	Total	6330	243.1																																														
	Average	1055	40.5																																														



		mandatory to take permission of CGWA and we will apply for permission of CGWA.																						
vii	Total effluent generations shall not exceed 240.5 m <sup>3</sup> /day. Effluent shall be should be treated in ETP comprising primary, secondary and tertiary treatment (RO). RO rejects will be evaporated in MEE. The RO permeates and MEE condensate shall be recycled in the process.	We have generated average 144.3 m <sup>3</sup> /day of industrial effluent. We have provided primary, secondary and tertiary effluent treatment plant and RO/MEE to treat entire industrial effluent. RO rejected effluent is taken to MEE. RO permeate and MEE condensate is recycle in the process. Details of ETP, RO and MEE are enclosed herewith as <b>Annexure: IX</b>																						
ix	'Zero' effluent discharge shall be adopted and no effluent will be discharged outside the premises.	We have adopted zero liquid discharge by installing primary, secondary, tertiary ETP, Reverse Osmosis and Multi effect evaporation system. We are not discharging any industrial effluent out side the factory premises. We are regularly monitored sewage effluent, ETP inlet, ETP out let RO permeate, MEE Condensate through NABL accredited laboratory M/S Eco resource management pvt. Limited, Surat on monthly basis. The results of which are enclosed herewith as <b>Annexure: X. Summary of the results are as under;</b>																						
	<b><u>Sewage Sample</u></b>																							
	<table><tr><th rowspan="2">No.</th><th rowspan="2">Date</th><th colspan="4">Parameters &amp; Results</th></tr><tr><th>pH</th><th>Suspend ed Solids (mg/L)</th><th>BOD (3days 27°C) (mg/L)</th><th>Residual Chlorine (ppm)</th></tr><tr><td>1</td><td>05/04/2017</td><td>8.64</td><td>24</td><td>09</td><td>0.78</td></tr><tr><td>2</td><td>12/05/2017</td><td>8.52</td><td>18</td><td>10</td><td>0.70</td></tr></table>	No.	Date	Parameters & Results				pH	Suspend ed Solids (mg/L)	BOD (3days 27°C) (mg/L)	Residual Chlorine (ppm)	1	05/04/2017	8.64	24	09	0.78	2	12/05/2017	8.52	18	10	0.70	
No.	Date			Parameters & Results																				
		pH	Suspend ed Solids (mg/L)	BOD (3days 27°C) (mg/L)	Residual Chlorine (ppm)																			
1	05/04/2017	8.64	24	09	0.78																			
2	12/05/2017	8.52	18	10	0.70																			

3	09/06/2017	7.92	20	09	0.74
4	07/07/2017	7.34	22	11	0.64
5	10/08/2017	7.22	18	10	0.60
6	12/09/2017	8.18	20	11	0.72
	<b>Min.</b>	<b>7.22</b>	<b>18</b>	<b>09</b>	<b>0.60</b>
	<b>Max.</b>	<b>8.64</b>	<b>24</b>	<b>11</b>	<b>0.78</b>
	<b>G.P.C.B. Limits</b>	<b>-</b>	<b>Less than 30 mg/L.</b>	<b>Less than 20 mg/L.</b>	<b>Minimum 0.5 ppm</b>

### **Effluent Analysis (R.O. Permeate)**

Month wise Results										
N o.	Parameters	Unit	5/4/17	12/5/17	9/6/17	7/7/17	10/8/17	12/9/17	Min.	Max.
1	Colour	Pt.c o.	10	05	00	05	10	00	<b>00</b>	<b>10</b>
2	Temp.	°C	25	26	24	23	25	24	<b>23</b>	<b>26</b>
3	pH	unit	7.14	7.08	6.52	6.79	7.13	6.52	<b>6.52</b>	<b>7.14</b>
4	S.S.	mg/l	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
5	T.D.S.	mg/l	62	80	66	72	60	66	<b>60</b>	<b>80</b>
6	COD	mg/l	10.36	8.60	9.26	10.50	15.50	12.30	<b>8.60</b>	<b>15.50</b>
7	Chlorides	mg/l	36	52	39	44	33	38	<b>33</b>	<b>52</b>
8	Oil/Grease	mg/l	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
9	Sulphates	mg/l	16	29	19	23	13	18	<b>13</b>	<b>29</b>
10	NH3-N	mg/l	3.8	4.6	2.8	2.4	4.6	3.0	<b>2.4</b>	<b>4.6</b>
11	Phenolic comp.	mg/l	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

### **Effluent Analysis (Condensate water from MEE)**

Month wise Results										
N o.	Parameters	Unit	5/4/17	12/5/17	9/6/17	7/7/17	10/8/17	12/9/17	Min.	Max.
1	Colour	Pt.c o.	10	05	05	15	10	05	<b>05</b>	<b>15</b>
2	Temp.	°C	32	30	31	29	29	30	<b>29</b>	<b>32</b>
3	pH	unit	7.12	6.57	7.36	7.08	6.90	7.42	<b>6.57</b>	<b>7.42</b>
4	S.S.	mg/l	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
5	T.D.S.	mg/l	40	38	32	30	37	33	<b>30</b>	<b>40</b>
6	COD	mg/l	317	308	297	273	269	310	<b>269</b>	<b>317</b>
7	BOD	mg/l	97	92	88	80	80	94	<b>80</b>	<b>97</b>
8	Chlorides	mg/l	23	20	17	16	20	17	<b>16</b>	<b>23</b>

[illegible]

	12	Phenolic comp.	mg/l	0.07	0.06	0.15	0.06	0.07	0.12	<b>0.06</b>	<b>0.15</b>
<b>Effluent Analysis (R.O. Reject )</b>											
	<b>No .</b>	<b>Paramet ers</b>	<b>Unit</b>	<b>5/4/17</b>	<b>12/5/17</b>	<b>9/6/17</b>	<b>7/7/17</b>	<b>10/8/17</b>	<b>12/9/17</b>	<b>Min.</b>	<b>Max.</b>
	1	Colour	Pt.co	30	20	40	30	20	20	<b>20</b>	<b>40</b>
	2	Temp.	°C	33	30	32	29	30	32	<b>29</b>	<b>33</b>
	3	pH	unit	8.52	9.14	9.32	8.88	8.13	8.62	<b>8.13</b>	<b>9.32</b>
	4	S.S.	mg/l	22	27	19	25	22	25	<b>19</b>	<b>27</b>
	5	T.D.S.	mg/l	12540	12620	11880	10970	11940	12350	<b>10970</b>	<b>12620</b>
	6	COD	mg/l	708	726	697	789	806	736	<b>697</b>	<b>806</b>
	7	Chlorides	mg/l	8016	8094	7055	6987	7010	8020	<b>6987</b>	<b>8094</b>
	8	Oil/Grease	mg/l	2.50	2.20	2.70	2.30	2.00	2.60	<b>2.00</b>	<b>2.70</b>
	9	Sulphates	mg/l	724	765	708	688	696	713	<b>688</b>	<b>765</b>
	10	NH3-N	mg/l	8.2	6.4	7.8	5.2	5.6	6.4	<b>5.2</b>	<b>8.2</b>
	11	Phenolic comp.	mg/l	0.09	0.14	0.16	0.06	0.08	0.10	<b>0.06</b>	<b>0.16</b>
<b>Monitoring of waste water is carried out by NABL Accredited laboratory M/S Ecosystem Resource Management Pvt. Limited, Surat.</b> (NABL Certificate No. TC- 6603 (in lieu of T02013) dated 26/10/2017 valid until: 25/10/2019											
x	Automatic/ online monitoring system (24 x 7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed.  The data to be made available to the respective SPCB and in the Company's website.						We have provided flow meter at the inlet and out let of ETP also flow meter is provided at the recycled point.  We will put the water consumption, waste water generation and recycled treated effluent data on our web site. We are regularly submitting the water consumption, waste water generation and recycled treated effluent data on GPCB xgn site on monthly basis.				
xi	No effluent shall be discharged into river.  In the event of failure of any effluent treatment plant adopted by the unit, the organic Chemical plant shall not be restarted until the control measures are rectified to achieve the desired efficiency.						We are not discharging any industrial effluent into River. We have provided adequate capacity of collection tank having capacity of 205 m3. In case of failure of effluent treatment plant we can store the entire effluent into collection tank till the ETP is restart and achieve the desired				

		efficiency. Also there is provision in plant level to store industrial effluent in case of failure of ETP.
xii	<p>Process effluent/any wastewater shall not be allowed to mix with storm water.</p> <p>Storm water drain shall be passed through guard pond.</p>	<p>We have provided separate storm water drain line and industrial effluent drain and ensure that; both the streams are not mixed.</p> <p>To collect storm water we have provided guard pond of 20 m<sup>3</sup> capacity.</p>
xiii	<p>Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.</p> <p>Flame arresters shall be provided on tank farm.</p> <p>Solvent transfer shall be by pumps.</p>	<p>We have provided isolated storage for hazardous chemicals like solvents.</p> <p>We have already provided flame arrester on tank farm.</p> <p>We are transferring the solvents through pumps and closed pipe line only.</p>
xiv	<p>As proposed, process organic residue and spent carbon should be sent to cement industries. ETP sludge, process inorganic &amp; evaporation salt should be disposed off to the TSDF.</p>	<p>We are disposing our organic residue, spent carbon for incineration at M/S BEIL, Ankleshwar. For which we are having valid membership of BEIL, Ankleshwar. Copy of membership is enclosed herewith as <b>Annexure: XI</b>.</p> <p>Now onwards we will sent our organic residue, spent carbon to M/S RSPL, Panoli for co-processing, for which we will obtain membership of M/S RSPL, Panoli for co-processing.</p> <p>ETP waste, inorganic waste and MEE waste are regularly dispose off into TSDF of Vapi. For which we are having valid membership of TSDF, Vapi. Copy of membership is enclosed herewith as <b>Annexure: XI</b>.</p>
xv	<p>The company shall obtain Authorization of for collection storage and disposal hazardous waste under the hazardous wastes (management</p>	<p>We have already obtained CCA of the board under water act 1974, air act 1981 and authorization under hazardous</p>

	<p>handling and trans-boundary movement) Rules, 2008 and amended as on date for management of hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid /hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency.</p> <p>Membership of TSDF for hazardous waste disposal shall be obtained.</p>	<p>waste rule 2016.</p> <p>We have provided in-house fire fighting facilities within the premises in case of emergency. Details of fire fighting system are enclosed herewith as <b>Annexure: XII.</b></p> <p>We have obtained membership of M/S VWEMCL, Vapi and M/S BEIL, Ankleshwar. Copy of TSDF membership is enclosed herewith as <b>Annexure: XI</b></p>
xvi	<p>The company shall strictly comply with the rules and guidelines under manufacture storage and import of hazardous chemicals (MSIHC) Rules 1989 as amended time to time.</p> <p>All transportation of Hazardous chemicals shall be as per the motor vehicle Act (MVA), 1989.</p>	<p>We are strictly following the rules and regulation of MSIHC rules 1989 as amended time to time. And the same is inspected by factory inspector periodically.</p> <p>We are transporting all hazardous chemicals as per the motor vehicle Act (MVA), 1989.</p>
xvi i	<p>The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.</p> <p>Fire fighting system shall be as per norms.</p>	<p>We have taken adequate steps for possible fire hazards during manufacturing process in material handling. We have provided auto control system and auto feeding system for raw materials in process.</p> <p>We have provided adequate fire fighting system as per rules and regulation. Details of fire fighting system are enclosed herewith as <b>Annexure: XII.</b></p>
xvi ii	<p>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories act.</p>	<p>We are regularly carried out pre-medical of each worker through private medical officer Dr. Ramesh H Agrawal and maintain the records as per factory act rules. Details of Occupational health records</p>



		are enclosed herewith as <b>Annexure: XIII.</b>
xix	<p>Green belt over 6325 m<sup>2</sup> area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc.</p> <p>Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.</p>	<p>Our total plot area is 22060 m<sup>2</sup>, out of which we have developed more than 6325 m<sup>2</sup> of area as green belt within the premises and periphery of the plot. Photographs of green belt are enclosed herewith as <b>Annexure: XIV</b></p> <p>We have selected plant species as per the CPCB guidelines in consultation with the DFO.</p>
xx	All the commitments made to the public during the Public Hearing/ Public Consultation meeting held on 15 <sup>th</sup> December, 2012 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional office at Bhopal.	<p>We have complied with all the commitment made during the public hearing/public consultation held on 15/12/2012.</p> <p>We have also made separate budget for the implementation.</p>
xxi	At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/ details should be prepared and submitted to the Ministry's Regional office at Bhopal, Implementation of such program should be ensured accordingly in a time bound manner.	We have earmarked 5% of the total project cost (i.e. Rs. 75 lakhs) for the Enterprise Social Commitment (ESC) based on local needs.
xxii	<p>Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc.</p> <p>The housing may be in the form of temporary structure to be removed after the completion of the project.</p> <p>All the construction wastes shall be</p>	<p>We had appointed local contractors for the expansion project and hence there was no need to construct housing and other necessary infrastructure for the labours. Drinking water, toilets and medical health care was utilized from our existing set up.</p> <p>Not applicable</p> <p>Not applicable</p>

	managed so that there is no impact on the surrounding environment.	
	<b>B.GENERAL CONDITIONS</b>	
i	The project authorities shall strictly adhere to the stipulations made by the state Pollution Control Board (GPCB), State Government and any other statutory authority.	We are strictly following the stipulation made by the GPCB. Compliance of CCA issued by the board is attached as <b>Annexure: XV.</b>
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests in case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	We assure you that; we will not carry out any expansion or modification without approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, we will submit the fresh application to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required.
iii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the state Pollution Control board (SPCB) and it shall be ensured that at least one stations in installed in the up wind and downwind direction as well as where maximum ground level concentrations are anticipated.	We have decided the location of the ambient air monitoring station in consultation with the GPCB officers and it is in the up wind and downwind direction as well as where maximum ground level concentrations are anticipated. We are regularly monitored level of PM <sub>10</sub> ,SO <sub>2</sub> ,NO <sub>x</sub> , VOC and CO in ambient air through NABL accredited laboratory M/S Ecosystem Resource Management Pvt. Limited, Surat on monthly basis. Results of which are enclosed herewith as <b>Annexure: VII.</b>

iv.

The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.

The ambient noise levels shall conform to the standards prescribed under Environment (protection) Act, 1986 Rules,1989 viz. 75 dBA (day time ) and 70 dBA (night time).

We have taken adequate measures to control noise level within the premises by carrying our regular maintenance to the machineries and provided acoustic enclosure to the D G set.

We are regularly monitored level of noise at various places within the premises through NABL accredited laboratory M/S Ecosystem Resource Management Pvt. Limited, Surat on monthly basis. Results of which are enclosed herewith as **Annexure: XVI.** Summary of the noise level monitoring are as under;

No .	Date	Locations & Results (Day Time)				Locations & Results (Night Time)			
		Near ETP	Near Boiler House	Near Main Gate	Outside Production Plant	Near ETP	Near Boiler House	Near Main Gate	Outside Production Plant
1	05/04/2017	67.5	70.0	65.0	65.4	66.6	68.5	62.7	63.2
2	12/05/2017	67.9	69.8	64.2	65.0	66.8	67.8	63.2	64.4
3	09/06/2017	68.3	71.2	66.3	66.7	65.8	68.2	61.6	62.2
4	07/07/2017	68.2	69.7	63.8	63.9	67.2	67.3	62.8	63.6
5	10/08/2017	67.7	71.6	64.1	64.2	66.9	67.7	61.0	61.7
6	12/09/2017	68.5	71.3	63.4	65.3	67.3	68.1	62.4	62.9
	Min.	67.5	69.7	63.4	63.9	65.8	67.3	61.0	61.7
	Max.	68.5	71.6	66.3	66.7	67.3	68.5	63.2	64.4
	G.P.C.B. Limits	75.0 dB(A)				70.0 dB(A)			

Noise level monitoring was carried out by NABL accredited laboratory M/S Ecosystem Resource Management Pvt. Limited, Surat . (NABL Certificate No. TC- 6603 (in lieu of T02013) dated 26/10/2017 valid until: 25/10/2019

v.	<p>The Company shall harvest rainwater from the roof-tops of the building and storm water drains to recharge the surface as well as rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.</p>	<p>We have provided rain water harvesting at the top of the office area and made collection tank of 100 m3 capacity for the collection of rain water. The collected rain water is utilized for process to minimize the fresh water consumption.</p> <p>We have also made arrangement to recharge the bore well with storm water. Photographs of Rain water harvesting is enclosed herewith as <b>Annexure: XVII.</b></p>
vi.	<p>During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste water and storm water drains.</p>	<p>We have constructed garland drain nearby by the storage tanks of liquid raw materials to avoid mixing of accidental spillages with domestic waste water and storm water drains.</p>
vii	<p>Usage of Personnel Protection Equipments by all employees/workers shall be ensured.</p>	<p>We have provided PPE'S like hand gloves, gum boot, helmet, mask etc to the each worker and ensure that to use it within the factory premises.</p>
viii	<p>Training shall be imparted to all employees on safety and health aspects of chemicals handling.</p> <p>Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.</p> <p>Training to all employees on handling of chemicals shall be imparted.</p>	<p>We have regularly carried out training on safety and health once in a six month through authorized agency. Certificate of training is enclosed herewith as <b>Annexure: XVIII.</b></p> <p>We are regularly carried out pre-medical of each worker through private medical officer and maintain the records as per factory act rules. Details of Occupational health records are enclosed herewith as <b>Annexure: XIII.</b></p> <p>We have regularly carried out training on handling of hazardous chemicals once in a six month through competent authority.</p>
ix.	<p>The company shall also comply with</p>	<p>We are complying with all the</p>

	<p>all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry.</p> <p>All the recommendation made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.</p>	<p>environmental protection measures and safe guards mentioned in the project report submitted to the Ministry.</p> <p>We have complied with all the suggestion/observations made in risk assessment report, EIA and EMP. Compliance of Risk assessment report is enclosed herewith as <b>Annexure: XIX</b></p>
x.	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.	<p>We have done CSR activities and all relevant measures for improving socio economic conditions of the surrounding area. Details of CSR activities is enclosed herewith as <b>Annexure: XX.</b></p>
xi	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	<p>We have done CSR activities and all relevant measures for improving socio economic conditions of the surrounding area. Details of CSR activities is enclosed herewith as <b>Annexure: XX.</b></p>
xii.	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring Functions.	<p>We have developed environmental management system within the premises and full-fledge laboratory for the analysis of waste water sample like pH, COD, BOD, TDS, NH3-N etc. Ambient Air monitoring, process gas, flue gas , fugitive and VOC monitoring we have contracted with NABL approved laboratory on monthly basis. We have permanently appointed two chemical engineer and four chemists for the operation of environmental management system and testing of various parameters of the waste water. Organogram of Environmental Management Cell is enclosed herewith as <b>Annexure: XXI</b></p>
xiii	The company shall earmark sufficient	We have secured funds (i.e Rs.

.	<p>funds toward capital cost/annum to implement the conditions stipulated by the Ministry Of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein.</p> <p>The funds so provided shall not be diverted for and other purpose.</p>	<p>210 lakhs) for the recurring and none recurring to implement the conditions stipulated by the Ministry of Environment &amp; Forests as well as the State Government along with the implementation schedule for all the conditions.</p> <p>We ensure that the said fund is already utilized for the development of environmental management system as mentioned in the data sheet.</p> <p>The funds provided for EMS is not diverted for any other purposes.</p>
xiv	<p>A Copy of the Clearance letter shall be sent by the project proponent to Concerned Panchayat, Zila Parisad/Municipal Corporation Urban local Body and the local NGO, if any from Whom suggestions / Representations if any were received while processing the proposal.</p>	<p>We have already sent clearance letter to Concerned Panchayat, Zila Parisad/Municipal Corporation Urban local Body and the local NGO.</p>
xv.	<p>The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including result of monitored data (both in hard copies as well by e-mail) to the respective Regional office of MoEF, the respective Zonal Office of CPCB and the Gujarat Pollution Control Board.</p> <p>A copy of Environmental Clearance and six Monthly Compliance status report shall be posted on the website of the company.</p>	<p>We are submitting herewith our 2nd six monthly EC compliance report and we assure you that now onwards we will submit regularly six monthly compliance report to the Regional office of MoEF, Bhopal.</p> <p>We will upload six monthly compliance reports on our web site.</p>
xvi	<p>The environmental statement for each financial year ending 31th March in form -V as is mandated shall be submitted 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</p>	<p>We have regularly submitted form V Environmental statement to GPCB web site. Copy of Form V for the March 2017 is enclosed herewith as <b>Annexure: XXII.</b></p>



	company along company along with status of compliance environmental clearance conditions and shall also be sent to the respective Regional Office of MoEF by e-mail.	
xvi i.	<p>The project proponent shall inform the public that the Project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/ committee and may also be seen at website of the Ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a>.</p> <p>This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional office of the Ministry.</p>	<p>We have already informed to the public by local news paper that we have accorded environmental clearance by the Ministry and copies of clearance letter are available with the state Pollutions Control Board and may also be seen at website of the Ministry of Environmental and Forests at website of the Ministry of Environmental and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a>.</p> <p>Copies of the advertisement are enclosed herewith as <b>Annexure: IV.</b> and already forwarded to the Regional office Bhopal.</p>
xvi ii.	The project authorities shall inform the Regional office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	We have completed and commissioned our expansion project in the month of November 2015.

## **ANNEXURE: VI**

### **ANALYSIS REPORT OF FUGITIVE EMISSION & VOC**

## **ANNEXURE: VII**

### **RESULTS OF AMBIENT AIR MONITORING**

## **ANNEXURE: VIII**

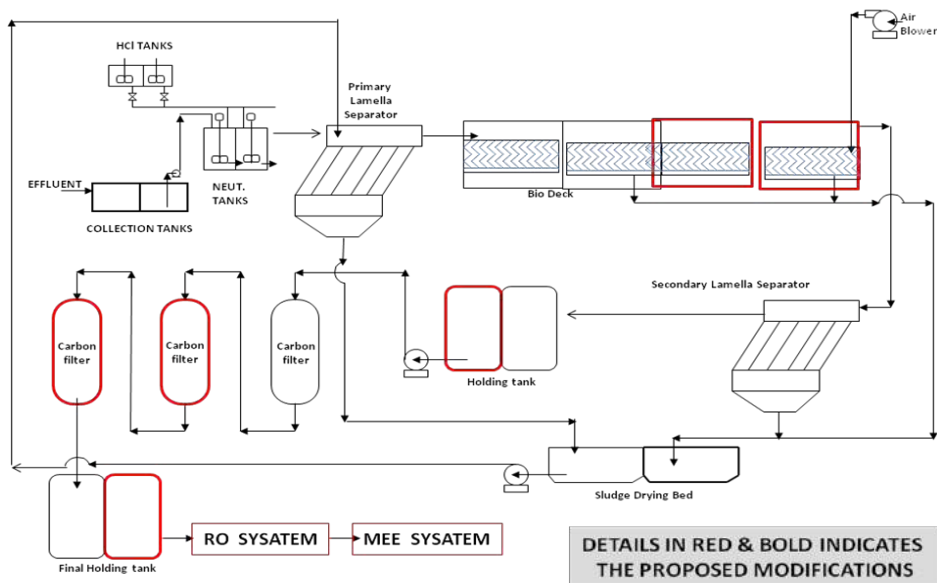
### **ANALYSIS OF FLUE GAS EMISSION & PROCESS GAS EMISSION**

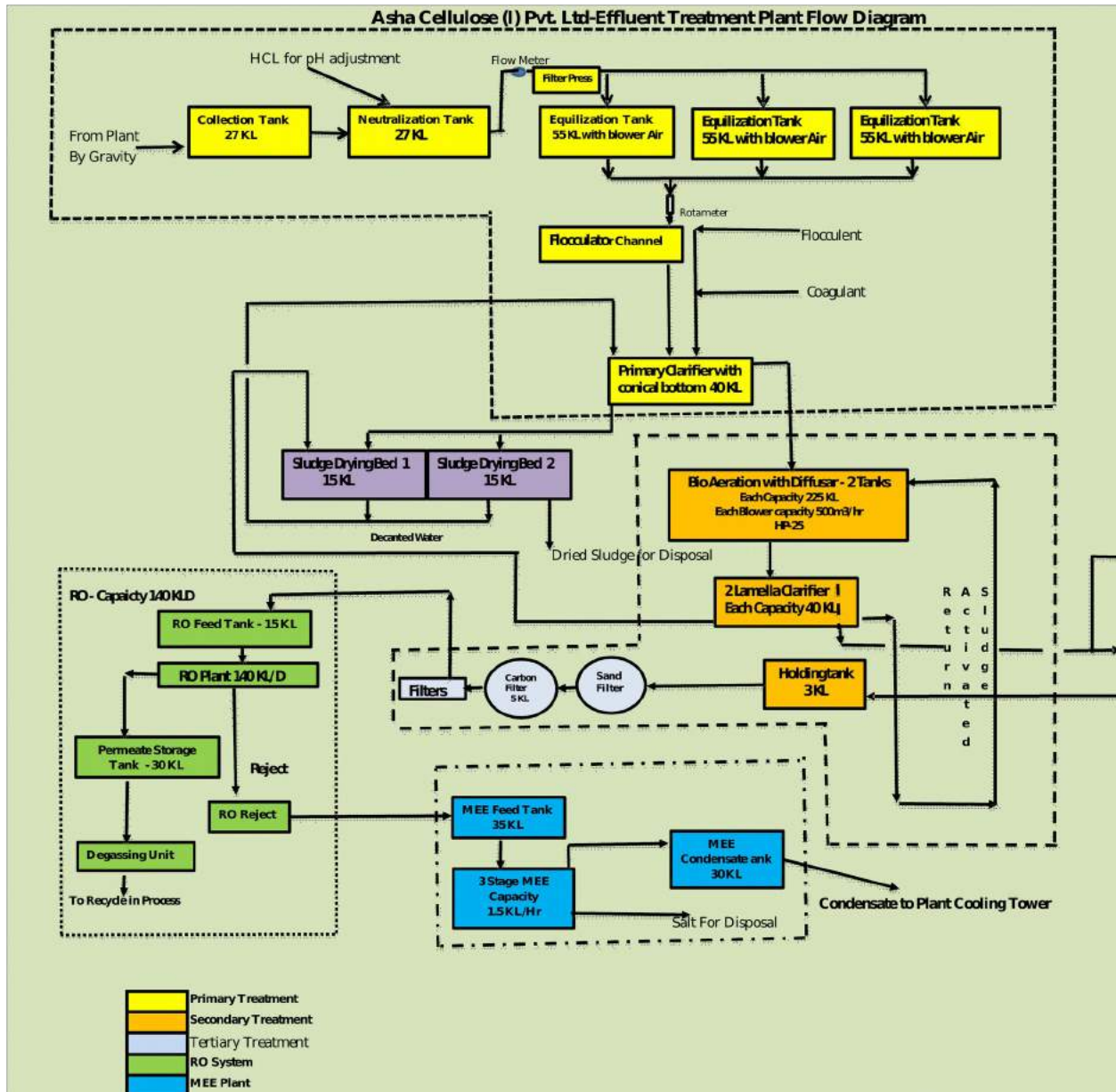
## ANNEXURE: IX

### DETAILS OF ETP, RO AND MEE

Sr. No.	Particulars	Capacity, m3	MOC
1	Collection Tank	205	RCC
2	Neutralization Tank	40	RCC
3	Floculator	7	MSRL
4	Primary lamella separator with tube deck	26	MSRL
5	Sludge drying bed	30	Brick Masonry
6	Aeration tank with tube deck packing	526	RCC
7	Secondary Lamella separator with tube deck	26	MSRL
8	Holding tank	30	RCC
9	Activated carbon bed	6 m3	MSRL
10	Sand bed filter	6 m3	MSRL
11	Final treated water holding tank	111	RCC
12	RO System	12 m3/hr	PP
13	RO Rejection collection tank	22	RCC
14	MEE system	1.5 m3/hr	MS
15	Final RO permeate & MEE condensate collection tank	50	RCC

### FLOW DIAGRAM OF POPOSED MODIFIED EFFLUENT TREATMENT PLANT





**ANNEXURE: X**

**ANALYSIS OF WASTE WATER AND SEWAGE EFFLUENT**

**ANNEXURE: XI**  
**MEMBERSHIP FOR TSDF**





BHARUCH ENVIRO INFRASTRUCTURE LIMITED

REF: BEIL/ANK/2018

3<sup>rd</sup> February, 2018

To,  
**Asha Cellulose (I) Pvt. Ltd.**  
S. No.303/2 & 302/P,  
Near Water Works,  
Abrama, Valsad - 396 001

**Sub : Membership Certificate for Common Solid Waste Disposal Facility.**

Dear Sir,

We hereby certify that you have become member of the common Solid/Hazardous Waste Disposal Facility developed by Bharuch Enviro Infrastructure Ltd., at GIDC, Ankleshwar and Dahej. You have booked solid waste quantity **500 MT/ Year** (Original Booked Quantity **325 MT** + Increased Quantity **175 MT**). Your Membership No. is **Oth/039**.

Thanking you,

Yours faithfully,  
**For, BHARUCH ENVIRO INFRASTRUCTURE LTD.**

**AUTHORISED SIGNATORY**

CIN No.: U45300GJ1997PLC032696

Works Office : Plot No. 9701-16 GIDC Estate, Post Box No. 82, Ankleshwar 393 002, Dist. : Bharuch (Gujarat)  
Phones (02646) 253135, 225228 • Fax : (02646) 222849 • E-mail : panjwani@uniphos.com  
Regd. Office : Plot No. 117-118, GIDC Estate, Ankleshwar 393 002, Dist.: Bharuch. (Gujarat)



**SMALL SCALE INDUSTRIES  
ASSOCIATION  
OF VALSAD DISTRICT**

Public Trust Reg. No. F / 367 / Valsad Dt. 15-3-95

Society Act Regn. Guj / 323 / Valsad Dt. 15-3-95

I.P.R: RAJESH DOSHI 02632-(O)236444 (R)245784 (M)98252 75278 Fax : 257879 / 249994

4-6, Salibaba Apt., Opp. Head P. O., Tithal Road, Valsad - 396001.

Phone : (02632) 259503

**MAHESH H. SHAH**  
President  
(O) 226565  
☎ 02632 (R) 253014  
(M) 94271 49349

**CHETAN CHAMPANERI**  
Vice-President  
(O) 2373685  
☎ 0260 (R) 2373685  
(M) 98251 19839

**MUKESH DESAI**  
Hon. Secretary  
(O) 233338/233509  
☎ 02632 (R) 24203/245199  
(M) 94261 55903

**MADHUSUDAN MAHALE**  
Hon. Jt. Secretary  
(O) 224632  
☎ 02632 (R) 249032  
(M) 9879952789

**CHANDRAKANT LAD**  
Treasurer  
☎ 02632-234706  
(M) 9825622214

**DUPLICATE (Mach 22, 2006)**

03-05/Pollution-Member/171

April 18, 2005

**TO WHOM SO EVER IT MAY CONCERN**

M/s Asha Cellulose (I) Pvt. Ltd.  
Near Water Works,  
Abrama,  
Valsad

is a registered member of the Association.

The Association is registered under:

Vapi Waste & Effluent Management Co. Ltd - common solid waste project -  
Membership No. 362

Gujarat Pollution Control Board - Gandhinagar - Authorisation no. 3516

Subject to rules and regulations of the GPCB/VWEMCL/SSI Asso. Of Valsad District- is  
hereby permitted to dispose solid waste.

for

**S. S. I. ASSOCIATION OF VALSAD DISTRICT.**

  
President

## ANNEXURE: XII

### DETAILS OF FIRE FIGHTING SYSTEM

#### Details of Fire Extinguishers

Type	Capacity	Nos.	Other Emergency Services
CO2	4.5 Kgs	23	Fire Water - 150 KL
DCP	10 Kgs	4	No. Of Hydrants- 21 with Hose Boxes
DCP	5 Kgs	26	No. Of Monitor- 01
ABC	10 Kgs	2	Hose Reels - 3 Nos.
ABC	6 Kgs	7	Sand Buckets Stand - 8 Nos.
ABC	4 Kgs	16	Self-Contained Breathing Apparatus- 1 No.
ABC	2 Kgs	2	Emergency Siren
ABC	0.5 Kgs	2	Emergency Communication system thru intercoms
Foam	9 L	13	Provision of 3 Hooter to communicate emergency of hazardous location
Portable Foam Trolley	100 L	1	Fire proxy Suit - 1

Fire Hydrant System:  
 Availability of water: 100 KL  
 Electrical Motor: 100 M<sup>3</sup>/Hr  
 Hydrant Points: 22 Nos.  
 Hose reels: 3 Nos.  
 Fix Water Monitor: 01



Hydrant Line Net Work in the premises



Hydrant Water cum Foam Monitor







**Fire Fighting Appliances Near Solvent Tank**



**Emergency Control Centre at Secuiryt Main Gate**



T

*[Signature]*

DH,  
AFIH,  
(CLI)

Reg. No. 0292

ADRIAN RAMESH H.









323	12/12/2016	MAHESH ARVIND	ETP	WORKER	21	52	162	A+	19.814	NIL	80	122/80	14	Nad	92	0.70	10	5900	11.80	Nad	1.81	WNL	Nad	WNL	FIT	Nad
324	12/12/2016	PARSHIT GANPAT	LAB	WORKER	28	67	167	O+	24.024	NIL	84	120/80	13	Nad	81	0.66	24	4500	12.40	Nad	1.83	WNL	Nad	WNL	FIT	Nad
325	12/12/2016	PRATIK AMBU	LAB	WORKER	26	67	160	A+	26.172	NIL	84	124/80	13	Nad	75	0.77	19	6200	11.20	Nad	2.89	WNL	Nad	WNL	FIT	Nad
326	12/12/2016	MAHESH P. TALAVIYA	KOTE	WORKER	28	47	166	B+	27.754	NIL	80	120/80	12	Nad	95	0.67	22	6200	12.40	Nad	1.84	WNL	Nad	WNL	FIT	Nad
327	12/12/2016	MAHESH P. TALAVIYA	HK	WORKER	37	71	160	B+	26.839	NIL	84	120/80	13	Nad	77	0.89	18	5900	11.20	Nad	2.52	WNL	Nad	WNL	FIT	Nad
333	12/12/2016	PRAKASH BALU	PROD	WORKER	30	67	158	B+	26.839	NIL	80	130/80	13	Nad	90	0.84	20	5000	11.00	Nad	1.67	WNL	Nad	WNL	FIT	Nad
334	12/12/2016	HIREN JAYANTI	PROD	ACI	28	62	167	A+	22.231	NIL	80	124/80	12	Nad	87	0.79	13	4800	12.90	Nad	2.73	WNL	Nad	WNL	FIT	Nad
336	12/12/2016	RAJUN PATEL	PROD	ACI	42	61	164	B+	22.680	NIL	80	120/80	12	Nad	81	0.63	20	4500	10.60	Nad	1.72	WNL	Nad	WNL	FIT	Nad
337	12/12/2016	CHINTAN U PATEL	PROD	ACI	29	72	170	O+	24.913	NIL	80	120/80	14	Nad	84	0.72	15	6800	13.40	Nad	2.04	WNL	Nad	WNL	FIT	Nad
344	12/12/2016	VJAY R SURTI	PROD	WORKER	30	76	170	A+	26.208	NIL	82	124/80	15	Nad	95	0.97	15	9600	11.10	Nad	1.65	WNL	Nad	WNL	FIT	Nad
355	12/12/2016	RAKESH UJAMANI	PROD	ACI WORKER	24	60	160	B+	26.653	NIL	84	120/80	12	Nad	90	0.85	15	7900	12.90	S+4	3.23	WNL	Nad	WNL	FIT	Nad
362	12/12/2016	RITESH CHAUHAN	D.M.	ACI WORKER	26	61	160	A+	23.828	NIL	86	120/80	12	Nad	83	0.74	19	6400	11.00	Nad	2.56	WNL	Nad	WNL	FIT	Nad
364	12/12/2016	SOMA GOVAN	KOTE	ACI WORKER	31	63	153	A+	26.913	NIL	82	130/80	13	Terma	81	0.76	22	9500	12.30	Nad	1.84	WNL	Nad	WNL	FIT	Nad
371	12/12/2016	RAKESH MANGAN	MAINT	ACI WORKER	29	65	161	O+	25.076	NIL	86	120/80	13	Nad	83	0.66	13	7800	11.30	Nad	3.71	WNL	Nad	WNL	FIT	Nad
372	12/12/2016	RAKESH MOHAN	PROD	ACI WORKER	30	77	169	O+	27.843	NIL	86	120/80	15	Nad	82	0.65	20	7200	13.60	Nad	2.55	WNL	Nad	WNL	FIT	Nad
383	12/12/2016	ROHIT ASHOK	PROD	ACI WORKER	24	60	170	B+	20.761	NIL	86	120/80	12	Nad	82	0.66	19	9600	12.80	Nad	2.52	WNL	Nad	WNL	FIT	Nad
384	12/12/2016	SUNNY DINESH	PROD	ACI WORKER	24	53	165	B+	19.467	NIL	86	120/80	14	Nad	85	0.64	17	8400	12.00	Nad	2.70	WNL	Nad	WNL	FIT	Nad
385	12/12/2016	SHALESH B PATEL	PROD	WORKER	42	53	167	O+	19.004	NIL	82	124/80	14	Nad	75	0.75	29	7900	11.00	Nad	2.26	WNL	Nad	WNL	FIT	Nad
387	12/12/2016	RAKESH B NAYKA	ETP	ACI	35	62	175	O+	20.245	NIL	86	120/80	12	Nad	82	0.68	14	8600	11.50	Nad	2.14	WNL	Nad	WNL	FIT	Nad
388	12/12/2016	SHIVRAM SHAHU	PROD	WORKER	23	63	163	B+	23.712	NIL	84	124/80	13	Nad	82	0.95	19	8200	13.90	Nad	2.90	WNL	Nad	WNL	FIT	Nad
399	12/12/2016	ROBIN CHARGAPANI	PROD	ACI	44	60	157	A8+	24.342	NIL	80	140/90	12	Nad	102	0.78	19	9700	13.40	Nad	1.88	WNL	Nad	WNL	FIT	Nad

Reg. No. WMC (6/10/16) Rev. No. CL1 (0282) \*Dr. Rajesh M. K. B. S. D.H. AF.H. (CL1)

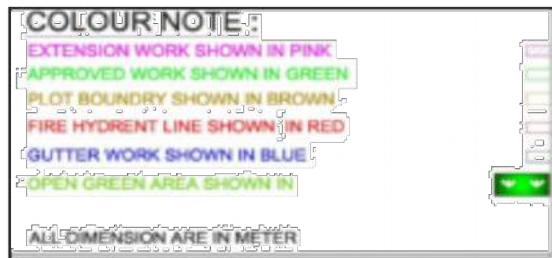
## ANNEXURE: XIV

### SITE PLAN & PHOTOGRAPH OF GREEN BELT

Annexure-12 Layout Plan with Green belt area



### Layout Plan



S. No	Particulars of Area	Existing (m <sup>2</sup> )	After Expansion (m <sup>2</sup> )
1.	Area	1558	2420
2.	Storage Area	740	1410
3.	Utility Area	489	651
4.	ETP Area	433	1201
5.	Pilot Plant	56	56
6.	Office Buildings	250	250
7.	Green Belt Area	5125	6325
8.	Roads	3105	3355
9.	Open Area	10306	6394
	<b>Total Area</b>	<b>22062</b>	<b>22062</b>

Map  
G. Map





**Green Belt Behind Office**



**Green Belt Behind Office**



**Factory Main Road**



**Open Green Belt**



**Green Belt Behind ETP**

## ANNEXURE: XV

### COMPLIANCE OF CCA

Sr. No	CONDITIONS	COMPLIANCE
1	<b>Consent Order No.: AWH-87084, Date of issue: 12/07/2017.</b>	We have obtained CCA of the Board vide No. <b>AWH-87084</b> which is valid up to <b>31/03/2022</b> .
2	The consents shall be valid up to <b>31/03/2022</b> for use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for manufacture of the following items/products:	We are manufacturing products as per consented quantity only
	<b>SUBJECT TO THE FOLLOWING CONDITIONS:</b>	
	<ul style="list-style-type: none"> <li>Management of Solid Waste generated from industrial activities shall be as per Solid Waste Management Rules 2016, (Solid waste as defined in Rule -3 (46).</li> </ul>	We are generating hazardous waste as per authorization issued by the board and dispose off as per hazardous waste rules 2016
	<ul style="list-style-type: none"> <li>As per provision of Rule-18 of Solid Waste Management Rules-2016 all Industrial units using fuel and located within 100 Km from the refused derived fuel (RDF) plant shall made an arrangement to replace at least five percent of their fuel requirement by refused derived fuel so produced.</li> </ul>	Will be implemented
3	<b>CONDITIONS UNDER THE WATER ACT :</b>	
3.1	<p>The quantity of total water consumption shall not exceed 155.48 KLD as per below break up. Source of fresh water shall be only from Borewell. Unit shall submit NOC from central ground Authority (CGWA) for use of Borewell water.</p> <p>a) Domestic : 2.2 KLD b) Industrial : 149.48 KLD</p>	<p>We are using water consumption @ 11.48 m<sup>3</sup>/day.</p> <p>We are using fresh water from our own Bore well. We will apply for permission for central ground Authority (CGWA) for use of Bore well water.</p>
3.2	The quantity of the trade effluent discharge from the industry shall not exceed <b>121.5</b>	We are generating maximum 121.5 KLD of

	KLD. Entire effluent shall be treated in ETP, followed by RO and MEE and achieve zero liquid discharge condition.	industrial waste water. We have provided adequate capacity of primary, secondary and tertiary ETP followed by RO and MEE to achieve zero liquid discharge.
3.3	The quantity of Sewage effluent from the industry shall not exceed <b>1.5</b> KLD.	We are generating maximum 1.5 KLD of domestic effluent.
3.4	Domestic effluent shall be disposed off through septic tank/soak pit system.	We have provided adequate capacity of septic tank/soak pit for the disposal of domestic effluent.
<b>4</b>	<b>CONDITIONS UNDER THE AIR ACT:</b>	
4.1	The following shall be used as fuel in the boilers, Hot Air Generation & D.G. Sets.	We have installed utilities for process heat requirement as per CCA only. Also we are using fuel in utilities as per CCA.
4..2	The flue gas emission through existing stack shall conform to the following standards:	We are operating our air pollution control system and maintain the norms of flue gas emission as specified by the board.
4.3	The process emission through various stacks / Vent of reactors, process, vessel shall conform to the following standards.	We are maintaining the norms of process gas emission.
4.4	The concentration of the following substances in the ambient air within the premises of the industry and at a distance of 10 meters from the source (other than the stack/ vent with height of more than 9 meters from the ground level) Shall not exceed the following levels:	We are maintaining the ambient air quality within the premises and analyze regularly to ensure the quality within the premises as per norms.
4.5	The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted /	We have provided adequate stack monitoring facility like portholes, ladder, platform etc at chimney(s) for monitoring.



	displayed to facilitate identification.	
4.6	The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB (a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.	Controlling noise level by regular maintenance and close acoustic enclosure to DG set.
<b>5</b>	<b>GENERAL CONDITIONS:</b>	
5.1	Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.	Agreed
<b>6</b>	<b>AUTHORISATION UNDER HAZARDOUS WASTE AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES-2016, FORM-2 (SEE RULE 6(2))</b>	
6.1	Number of authorization: <b>AWH-87084, Date of issue: 12/07/2017.</b>	Agreed
6.2	Reference of authorization: <b>AWH-122307</b> and Date: <b>23/05/2017.</b>	Agreed
6.3	<b>M/s. ASHA CELLULOSE (I) PVT. LTD</b> is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilization, treatment, disposal or any other use of hazardous or other waste or both on the premises situated at <b>Plot No. Shed No. 303/2,302/P, Village: Abrama, Abrama-369001, Dist: Valsad.</b>	Agreed
6.4	The authorization shall be valid for a period of <b>31/03/2022.</b>	Agreed
6.5	The authorization is subject to the following general and specific conditions:	Agreed
<b>A</b>	<b>GENERAL CONDITIONS UNDER HAZARDOUS AND OTHER WASTES (M&amp;TM) RULES-2016.</b>	
1	The Authorised person shall comply with the provisions of the Environment (Protection) Act-1986 and rules made there under.	Complied with
2	The Authorization or its renewal shall be	We will not rent, land,

	produced for inspection at the request of an officer Authorized by the State Pollution Control Board.	sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through authorization.
3.	The persons authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.	Complied with
4.	Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the persons authorized shall constitute a breach of this authorization.	Complied with
5.	The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.	We have already made emergency response plan and implemented the same. We have also carried out mock drill for possible scenarios such as spillages, leakages, fire etc
6.	The person authorize shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “ implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Wastes and penalty”.	We are complying with the guide line of CPCB for implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Wastes and penalty”.
7.	It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.	Agreed
8.	The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.	Complied with
9.	The record of consumption and fate of the imported hazardous and other wastes shall be maintained.	Complied with
10.	The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be	Not applicable, as we are not importing any hazardous waste

	treated and disposed of as per specific conditions of authorization.	
11.	The importer or exporter shall bear the cost of import or export and mitigation of damages if any.	Agreed
12.	An application for the renewal of an authorization shall be made as laid down under these rules.	Complied with
13.	Any other conditions for compliance as per the guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.	We are regularly submitting return filed by June 30th for the period ensuring 31 <sup>st</sup> March of the year.
14.	Annual return shall be filed by June 30th for the period ensuring 31 <sup>st</sup> March of the year.	Complied with
<b>B.</b>	<b>SPECIFIC CONDITIONS (WHICHEVER IS APPLICABLE)</b>	
1.	The authorized actual of hazardous and other waste shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization.	We are maintaining the records for the hazardous and other waste as per authorization
2.	Handling over the hazardous and other wastes to the authorized actual user shall be only after making the entry into the passbook of the actual user.	Complied with
3.	In case of renewal of authorization, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorization for hazardous and other wastes shall be submitted to SPCB.	Agreed
4.	The occupier of the facility shall comply standards operating procedure/guidelines published by MoEF&CC or CPCB or GPCB from time to time.	We are complying with standards operating procedure/guidelines published by MoEF&CC or CPCB or GPCB from time to time.
5.	Unit shall comply provisions of E-Waste (Management) Rules, 2016.	Complied with

**ANNEXURE: XVI**  
**MONITORING OF NOISE LEVEL**

**ANNEXURE: XVII**  
**RAIN WATER HARVESTING**



**ANNEXURE: XVIII**

**SHE TRAINING PROGRAM**

<b>Sr. No .</b>	<b>Name of Training Programs</b>	<b>Training Conducted Date</b>	<b>Trainees Category</b>	<b>Faculty &amp; Duration</b>
1	Training on Fire	23.01.2017	Staffs	Faculty: Mr. S. B. Parmar (Internal) Duration: 1 Hr. 10 Min.
2	Hazard on Static Electricity	25.01.2017	Staffs	Faculty: Mr. S. B. Parmar (Internal) Duration: 1 Hr.
3	Personal Health & Hygiene	10.02.2017	Staffs	Faculty: Mr. Nantu Das (Internal) Duration: 1 Hr.
4	Video Flim on Safety	06.03.2017	Staffs	Faculty: Mr. S. B. Parmar (Internal) Duration: 1 Hr.
5	Video Flim on Safety (Workmen)	08.03.2017	Workers	Faculty: Mr. S. B. Parmar (Internal) Duration: 1 Hr.
6	Pollution Prevention	05.06.2017	Staffs	Faculty: Mr. S. B. Parmar (Internal) Duration: 1.5 Hrs.
7	Electrical Safety	22.07.2017	Staffs & Workers	Faculty: Mr. H. S. Prajapati (External) Duration: 4 Hrs.
8	MSDS	11.08.2017	Staffs	Faculty: Mr. S. B. Parmar (Internal) Duration: 1 Hr.
9	Self-Contained Breathing Apparatus & Use of Fire Extinguisher	23.08.2017	Staffs & Workers	Faculty: Mr. S. B. Parmar (Internal) Duration: 1 Hr.
10	Static Electricity	19.09.2017	Staffs	Faculty: Mr. S. B. Parmar (Internal) Duration: 1 Hr.
11	Fire, Fire Cause & Prevention	22.12.2017	Staffs	Faculty: Mr. S. B. Parmar (Internal) Duration: 1 Hr.





## Effectiveness of Training


Training Topic :	Fire, Fire Causes & Prevention
Actual Training given Date:	22/12/17
Post Training Assessment Date	22/12/17

Observation from Trainer / Evaluator

Participated employees were evaluated through training related questionnaires and their assessment results are as follows:

- "Very Good" Grade : 05 employees'
- "Good" Grade : 07 employees'
- "Satisfactory" Grade : 10 employees'

Hence, the overall training effectiveness is satisfactory.

  
Mr. S.B. Pattnaik  
- Trainer.

Rev. No. 00

Date Effective: 01/01/2017

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ASHA CELLULOSE (I) PVT. LTD.

## Training Assessment Result

Training Topic: Fire, Fire Causes &amp; Prevention

Training Date: 22/12/17

Assessment Date: 22/12/17

Trainer: Mr. S. B. Parmar

Sr. No	Name of Participants	Score	Remarks
1.	Smit D. Patel	13	Very Good.
2.	Ranesh Thanore	13	Very Good
3.	Jayesh Surati	11	Satisfactory
4.	Ankhar Khalifa	13	Very good.
5.	Jignesh M. Patel	10	Satisfactory.
6.	Raman Ahire	10	Satisfactory.
7.	Rajesh B. P.	11	Satisfactory.
8.	Bapul Debai	13	Very Good.
9.	Meet Patel	10	Satisfactory.
10.	Arvind G. Prajapati	12	Good.
11.	Ritesh C. Rathod	12	Good
12.	Praakash M. Patel	11	Satisfactory.
13.	Sagar S. Prajapati	12	Good.
14.	Rohit Chintan Zinabhai	10	Satisfactory.
15.	Devang Ghadiyali	13	Very Good.
16.	Jignesh M. Patel	10	Satisfactory.
17.	Jaideep A. Patel	11	Satisfactory.
18.	Subhash P. Patel	10	Satisfactory.
19.	Sandip C. Patel	12	Good.

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Date Effective: 01/01/2017

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# આશા સેલ્યુલોઝ (ઈ) પ્રાઇવેટ લિમીટેડ અબ્રામા - વલસાડ

## ટ્રેઈનીંગ એટેન્ડન્સ શીટ

વિષય: આજ, આજ ના કારણ ને રોકવામ

ટ્રેઈનીંગ આપનાર એજન્સી: એસ બી પરમાર

તારીખ: 22.12.17

સમય: 14.30-15.30

અનુક્રમ નંબર	નામ	વિભાગ	સહી
1	Sandip C. Patel	M.N.T	
2	સુભાષી. પ. પટેલ	E.T.P	
3	SUBHASH. P. PATEL	W/S	
4	મુકેશ એમ પટેલ	R1	PMP
4	જિગ્નેશ C. પટેલ	D.M	
5	અરુણેશ R. પટેલ	E.A.B	
6	RUTURAM B. PATEL	Printer	
6	Rujesh, B. P		
6	Jayesh V. PATEL	R.2	J.V.P
10	Jignesh mungu Patel	R.2	
11	Jignesh M. Poley	Security	J.Poley
12	Jasraj J. Chaudhary	PDM, R2	
13	Borut C. Desai	P.N.R2	Bor
14	Smit D. Patel	ETP	Smit
14	Kashyap K. Vaghav	AK	Kashyap
15	Sagar J. Pargapati	PON (AK)	
16	Meet P Patel	MNT	MP Patel
16	Chintan Z. Relnit	R1	Chintan
16	Anand A. Pargapati	R, PDM	Anand
20			
21			
22			
23			
24			



કંપની નું નામ: આશા સેલ્યુલોઝ પ્રાઇવેટ લીમીટેડ - અબ્રામા, વલસાડ

ટ્રેનીંગ માં ભાગ લેનાર નું નામ: Smit D. Mishra

વિભાગ: ETP

વિષય: આગ ને તેનું નિવારણ

તારીખ: 22/12/17

ટ્રેનીંગ આપનાર: એસ. બી. પરમાર

(૧) આગ ના કેટલા પ્રકાર છે

ચાર [ ] છ [ ] ત્રણ [ ] સાત [ ]

(૨) આગ લાગવા માટે કઈ કઈ વસ્તુ જરૂરી છે

બળતણ [ ] હવા [ ] નાઈટ્રોજન [ ] ચિનગારી [ ]

ફાઈર ક્લોથિંગ [ ] પાણી [ ]

(૩) ઇલેક્ટ્રિક ની ચાલુ લાઈન માં આગ લાગે તો કયું અગ્નિ શામક વાપરશો

સીઓટ્રા [ ] કોમ [ ] ડીસીપી [ ] એબીસી [ ]

(૪) આગ હેલવવા માટે જો આપણે આગ ને ઠંડી કરીએ તો આગ બુજી નહિ જાય

ખરું / ખોટું

(૫) સાદી આગ હેલવવા માટે રેતી નો ઉપયોગ નાં કરાય

ખરું / ખોટું

(૬) જો જવલન શીલ પ્રવાહી ઢોળાય જાય તો તે નાં લીધે આગ નો ખતરો બનતો નથી

ખરું / ખોટું

(૭) આગ લાગવામાં સ્થિર વિદ્યુત / સ્ટેટિક ઇલેક્ટ્રીસિટી કોઈ પણ જાતનો ભાગ ભજવતો નથી

ખરું / ખોટું

(૮) જવલન શીલ પ્રવાહી ની આગ માં કોમ અગ્નિશામક નો ઉપયોગ કરવો જોઈએ

ખરું / ખોટું

(૯) આગ નાં લાગે તેને માટે સારી ગૃહ વ્યવસ્થા જરૂરી છે

ખરું / ખોટું

(૧૦) જો આપણે ઓઈલ થી લુછેલું કપડું બહાર ગમે ત્યાં નાખીએ તો તે આગ નું કારણ બની શકે છે

ખરું / ખોટું

(૧૧) યંત્ર માં ઘર્ષણ થવું એ પણ એક આગ નું કારણ છે

ખરું / ખોટું

(૧૨) આગ ની જાણકારી માટે આપણે સ્મોક, બીમ ડીટેક્ટર લાગેલા છે

ખરું / ખોટું

(૧૩) આપણે ત્યાં આગ હેલવવા ઓટોમેટીક સ્પ્રિંકલર ની વ્યવસ્થા છે

ખરું / ખોટું

(૧૪) આપણે ત્યાં આગ નો સામનો કરવા એક જોકી પમ્પ, બે ઇલેક ટ્રીક પમ્પ ને એક ડિઝલ પમ્પ બેસાડેલ છે

ખરું / ખોટું

કુલ ગુણ: 13

ચકાસણી કરનારની સહી: [Signature]

સ્કોર: 0-૫% ટ્રેનીંગ જરૂરી

૬-૭% સંતોષકારક

૮% સારું

૯-૧૦% બહુજ સારું

કંપની નું નામ: આશા સેલ્યુલોઝ પ્રાઇવેટ લીમીટેડ - અબ્રામા, વલસાડ

ટ્રેનીંગ માં ભાગ લેનાર નું નામ: રહિશભાઈ કાકોરભાઈ

વિભાગ: E.T.P

વિષય: આગ ને તેનું નિવારણ

તારીખ: 27/2/17

ટ્રેનીંગ આપનાર: એસ. બી. પરમાર

(૧) આગ ના કેટલા પ્રકાર છે

આરાધ્ય [ ] ત્રણ [ ] સાતા [ ]

(૨) આગ લાગવા માટે કઈ કઈ વસ્તુ જરૂરી છે

બળતણ [ ] હવા [ ] નાઈટ્રોજન [ ] ચિનગારી [ ]

હાઈડ્રો ક્લોરિક એસીડ [ ] પાણી [ ]

(૩) ઇલેક્ટ્રિક ની ચાલુ લાઈન માં આગ લાગે તો કયું અગ્નિ શામક વાપરશો

સીઓટ્રાપ્સ [ ] ફોમા [ ] ડીસીપી [ ] એબીસી [ ]

(૪) આગ હોલવવા માટે જો આપણે આગ ને ઠંડી કરીએ તો આગ બુજી નહિ જાય

ખરું / ખોટું

(૫) સાદી આગ હોલવવા માટે રેતી નો ઉપયોગ નાં કરાય

ખરું / ખોટું

(૬) જો જવલન શીલ પ્રવાહી ઢોળાય જાય તો તે નાં લીધે આગ નો ખતરો બનતો નથી

ખરું / ખોટું

(૭) આગ લાગવામાં સ્થિર વિદ્યુત / સ્ટેટિક ઇલેક્ટ્રીસીટી કોઈ પણ જાતનો ભાગ લજવતો નથી

ખરું / ખોટું

(૮) જવલન શીલ પ્રવાહી ની આગ માં ફોમ અગ્નિશામક નો ઉપયોગ કરવો જોઈએ

ખરું / ખોટું

(૯) આગ નાં લાગે તેને માટે સારી ગૃહ વ્યવસ્થા જરૂરી છે

ખરું / ખોટું

(૧૦) જો આપણે ઓઈલ થી લુછેલું કપડું બહાર ગમે ત્યાં નાખીએ તો તે આગ નું કારણ બની શકે છે

ખરું / ખોટું

(૧૧) યંત્ર માં ઘર્ષણ થવું એ પણ એક આગ નું કારણ છે

ખરું / ખોટું

(૧૨) આગ ની જાણકારી માટે આપણે સ્મોક, બીમ ડીટેક્ટોર લાગેલા છે

ખરું / ખોટું

(૧૩) આપણે ત્યાં આગ હોલવવા ઓટોમેટીક સ્પ્રિંગલર ની વ્યવસ્થા છે

ખરું / ખોટું

(૧૪) આપણે ત્યાં આગ નો સામનો કરવા એક જોકી પમ્પ, બે ઇલેક ટ્રીક પમ્પ ને એક ડિઝલ પમ્પ બેસાડેલ છે

ખરું / ખોટું

કુલ ગુણ: 13

ચક્રસંપૂર્ણ કરનારની સહી:

સ્કોર: 0-૫% ટ્રેનીંગ જરૂરી

૬-૭% સંતોષકારક

૮% સાડું

૯-૧૦% બહુજ સાડું

કંપની નું નામ: આશા સેલ્યુલોઝ પ્રાઇવેટ લીમીટેડ - અબ્રામા, વલસાડ

ટ્રેનીંગ માં ભાગ લેનાર નું નામ: જનક ૧૧. ૨૦૧૨. ૦૭. ૨૦૨૧

વિભાગ: કચ્છ સેલ્યુલોઝ

વિષય: આગ ને તેનું નિવારણ

તારીખ: ૨૨/૦૭/૨૧

ટ્રેનીંગ આપનાર: એસ. બી. પરમાર

- (૧) આગ ના કેટલા પ્રકાર છે  
ચાર / છ / ત્રણ / સાત ✓
- (૨) આગ લાગવા માટે કઈ કઈ વસ્તુ જરૂરી છે  
બળતણ / હવા / નાઈટ્રોજન / ચિનગારી /  
છાઈડ્રો ક્લોરિફેસીડ / પાણી /
- (૩) ઇલેક્ટ્રિક ની ચાલુ લાઈન માં આગ લાગે તો કયું અગ્નિ શામક વાપરશો  
સીઓડા / ફોમા / ડીસીપી / એબીસી ✓
- (૪) આગ ફેલવવા માટે જો આપણે આગ ને ઠંડી કરીએ તો આગ બુજી નહિ જાય  
ખરું / ખોટું ✓
- (૫) સાદી આગ ફેલવવા માટે રેતી નો ઉપયોગ નાં કરાય  
ખરું / ખોટું ✓
- (૬) જો જવલન શીલ પ્રવાહી ફોળાય જાય તો તે નાં લીધે આગ નો ખતરો બનતો નથી  
ખરું / ખોટું ✓
- (૭) આગ લાગવામાં સ્થિર વિદ્યુત / સ્ટેટિક ઇલેક્ટ્રીસીટી કોઈ પણ જાતનો ભાગ ભજવતો નથી  
ખરું / ખોટું ✓
- (૮) જવલન શીલ પ્રવાહી ની આગ માં ફોમ અગ્નિશામક નો ઉપયોગ કરવો જોઈએ  
ખરું / ખોટું ✓
- (૯) આગ નાં લાગે તેને માટે સારી ગૃહ વ્યવસ્થા જરૂરી છે  
ખરું / ખોટું ✓
- (૧૦) જો આપણે ઓઈલ થી લુછેલું કપડું બહાર ગમે ત્યાં નાખીએ તો તે આગ નું કારણ બની શકે છે  
ખરું / ખોટું ✓
- (૧૧) યંત્ર માં ઘર્ષણ થવું એ પણ એક આગ નું કારણ છે  
ખરું / ખોટું ✓
- (૧૨) આગ ની જાણકારી માટે આપણે સ્મોક, બીમ ડીટેક્ટર લાગેલા છે ખરું / ખોટું ✓
- (૧૩) આપણે ત્યાં આગ ફેલવવા ઓટોમેટીક સ્પ્રિંકલર ની વ્યવસ્થા છે ખરું / ખોટું ✓
- (૧૪) આપણે ત્યાં આગ નો સામનો કરવા એક જોકી પમ્પ, બે ઇલેક ટ્રીક પમ્પ ને એક ડિઝલ પમ્પ બેસાડેલ છે  
ખરું / ખોટું ✓

કુલ ગુણ: 11

ચકાસણી કરનારની સહી:

સ્કોર: 0-૫% ટ્રેનીંગ જરૂરી

૬-૭% સંતોષકારક

૮% સારું

૯-૧૦% બહુજ સારું



કંપની નું નામ: આશા સેલ્યુલોઝ પ્રાઇવેટ લીમીટેડ - અબ્રામા, વલસાડ

ટ્રેનીંગ માં ભાગ લેનાર નું નામ: અબ્રામા જી. અમલદાસજી - ૭૧૧

વિભાગ: પોલિટિકલ ૧૨૨

વિષય: આગ ને તેનું નિવારણ

તારીખ: 22/12/17

ટ્રેનીંગ આપનાર: એસ. બી. પરમાર

(૧) આગ ના કેટલા પ્રકાર છે

ચારા ] છા ] ત્રણ ] સાત ]

(૨) આગ લાગવા માટે કઈ કઈ વસ્તુ જરૂરી છે

બળતણ ] ફ્લા ] નાઈટ્રોજન ] ઓક્સિજન ]

હાઈડ્રો ક્લોરિક એસીડ ] પાણી ]

(૩) ઇલેક્ટ્રિક ની ચાલુ લાઈન માં આગ લાગે તો કયું અગ્નિ શામક વાપરશો

સીઓટ્રા ] ફોમ ] ડીસીપી ] એબીસી ]

(૪) આગ ફેલવવા માટે જો આપણે આગ ને ઠંડી કરીએ તો આગ બુજી નહિ જાય

ખરું / ખોટું

(૫) સાદી આગ ફેલવવા માટે રેતી નો ઉપયોગ નાં કરાય

ખરું / ખોટું

(૬) જો જવલન શીલ પ્રવાહી કોળાય જાય તો તે નાં લીધે આગ નો ખતરો બનતો નથી

ખરું / ખોટું

(૭) આગ લાગવામાં સ્થિર વિદ્યુત / સ્ટેટિક ઇલેક્ટ્રીસીટી કોઈ પણ જાતનો ભાગ ભજવતો નથી

ખરું / ખોટું

(૮) જવલન શીલ પ્રવાહી ની આગ માં ફોમ અગ્નિશામક નો ઉપયોગ કરવો જોઈએ

ખરું / ખોટું

(૯) આગ નાં લાગે તેને માટે સારી ગૃહ વ્યવસ્થા જરૂરી છે

ખરું / ખોટું

(૧૦) જો આપણે ઓઈલ થી લુછેલું કપડું બહાર ગમે ત્યાં નાખીએ તો તે આગ નું કારણ બની શકે છે

ખરું / ખોટું

(૧૧) ચંત્ર માં ઘર્ષણ થવું એ પણ એક આગ નું કારણ છે

ખરું / ખોટું

(૧૨) આગ ની જાણકારી માટે આપણે સ્મોક, બીમ ડીટેક્ટર લાગેલા છે

ખરું / ખોટું

(૧૩) આપણે ત્યાં આગ ફેલવવા ઓટોમેટીક સ્પ્રિંકલર ની વ્યવસ્થા છે

ખરું / ખોટું

(૧૪) આપણે ત્યાં આગ નો સામનો કરવા એક જોકી પમ્પ, બે ઇલેક ટ્રીક પમ્પ ને એક ડિઝલ પમ્પ બેસાડેલ છે

ખરું / ખોટું

કુલ ગુણ: 13

ચક્રસંપૂર્ણ કરનારની સહી:

સ્કોર: 0-૫% ટ્રેનીંગ જરૂરી

૬-૭% સંતોષકારક

૮% સારું

૯-૧૦% બહુજ સારું

કંપની નું નામ: આશા સેલ્યુલોઝ પ્રાઈવેટ લીમીટેડ - અબ્રામા, વલસાડ

ટ્રેનીંગ માં ભાગ લેનારનું નામ: Jignesh M. Patel

વિભાગ: Security

વિષય: આગ ને તેનું નિવારણ

તારીખ: 22/12/17

ટ્રેનીંગ આપનાર: એસ. બી. પરમાર

(૧) આગ ના કેટલા પ્રકાર છે

ચાર ૧ ઇ ૧ ત્રણ ૧ સાત ૧

(૨) આગ લાગવા માટે કઈ કઈ વસ્તુ જરૂરી છે

બળતણ ૧ ક્વા ૧ નાઈટ્રોજન ૧ ઓક્સિજન ૧

ફાઈર ક્લોરિએસીડ ૧ પાણી ૧

(૩) ઇલેક્ટ્રિક ની ચાલુ લાઈન માં આગ લાગે તો કયું અગ્નિ શામક વાપરશો

સીઓટા ૧ કોમા ૧ ડીસીપી ૧ એબીસી ૧

(૪) આગ ફેલવવા માટે જો આપણે આગ ને ઠંડી કરીએ તો આગ બુજી નહિ જાય

ખરું / ખોટું

(૫) સાદી આગ ફેલવવા માટે રેતી નો ઉપયોગ નાં કરાય

ખરું / ખોટું

(૬) જો જવલન શીલ પ્રવાહી ફોળાય જાય તો તે નાં લીધે આગ નો ખતરો બનતો નથી

ખરું / ખોટું

(૭) આગ લાગવામાં સ્થિર વિદ્યુત / સ્ટેટિક ઇલેક્ટ્રીસિટી કોઈ પણ જાતનો ભાગ ભજવતો નથી

ખરું / ખોટું

(૮) જવલન શીલ પ્રવાહી ની આગ માં ફોમ અગ્નિશામક નો ઉપયોગ કરવો જોઈએ

ખરું / ખોટું

(૯) આગ નાં લાગે તેને માટે સારી ગૃહ વ્યવસ્થા જરૂરી છે

ખરું / ખોટું

(૧૦) જો આપણે ઓઈલ થી લુછેલું કપડું બહાર જમે ત્યાં નાખીએ તો તે આગ નું કારણ બની શકે છે

ખરું / ખોટું

(૧૧) ચંત્ર માં ધર્ષણ થવું એ પણ એક આગ નું કારણ છે

ખરું / ખોટું

(૧૨) આગ ની જાણકારી માટે આપણે સ્મોક, બીમ ડીટેક્ટર લાગેલા છે

ખરું / ખોટું

(૧૩) આપણે ત્યાં આગ ફેલવવા ઓટોમેટીક સ્પ્રિંકલર ની વ્યવસ્થા છે

ખરું / ખોટું

(૧૪) આપણે ત્યાં આગ નો સામનો કરવા એક જોડી પમ્પ, બે ઇલેક ટ્રીક પમ્પ ને એક ડિઝલ પમ્પ બેસાડેલ છે

ખરું / ખોટું

કુલ ગુણ:

ચકાસણી કરનારની સહી:

સ્કોર: ૦-૫% ટ્રેનીંગ જરૂરી

૬-૭% સંતોષકારક

૮% સાડું

૯-૧૦% બહુજ સાડું



કંપની નું નામ: આશા સેલ્યુલોઝ પ્રાઇવેટ લીમીટેડ - અબ્રામા, વલસાડ

ટ્રેનીંગ મોભાજ લેનારનું નામ: Rajesh, B.P

વિભાગ:

વિષય: આજ ને તેનું નિવારણ

તારીખ: ૨૨-૧૨-૧૭

ટ્રેનીંગ આપનાર: એસ. બી. પરમાર

(૧) આજ ના કેટલા પ્રકાર છે

ચાર / છ / ત્રણ / સાત

(૨) આજ લાગવા માટે કઈ કઈ વસ્તુ જરૂરી છે

બળતણ / કવા / નાઈલોન / ચિનગારી

ફાઈટી કલોરિકેસીડ / પાણી

(૩) ઇલેક્ટ્રિક ની ચાલુ લાઈન માં આજ લાગે તો કયું અગ્નિ શામક વાપરશો

સીઓટા / ફોમ / ડીસીપી / એબીસી

(૪) આજ હોલવવા માટે જો આપણે આજ ને ઠંડી કરીએ તો આજ બુજી નહિ જાય

ખરું / ખોટું

(૫) સાદી આજ હોલવવા માટે રેતી નો ઉપયોગ નાં કરાય

ખરું / ખોટું

(૬) જો જવલન શીલ પ્રવાહી ઢોળાય જાય તો તે નાં લીધે આજ નો ખતરો બનતો નથી

ખરું / ખોટું

(૭) આજ લાગવામાં સ્થિર વિદ્યુત / સ્ટેટિક ઇલેક્ટ્રીસીટી કોઈ પણ જાતનો ભાગ ભજવતો નથી

ખરું / ખોટું

(૮) જવલન શીલ પ્રવાહી ની આજ માં ફોમ અગ્નિશામક નો ઉપયોગ કરવો જોઈએ

ખરું / ખોટું

(૯) આજ નાં લાગે તેને માટે સારી ગૃહ વ્યવસ્થા જરૂરી છે

ખરું / ખોટું

(૧૦) જો આપણે ઓઈલ થી લુછેલું કપડું બહાર ગમે ત્યાં નાખીએ તો તે આજ નું કારણ બની શકે છે

ખરું / ખોટું

(૧૧) ચંત્ર માં ઘર્ષણ થવું એ પણ એક આજ નું કારણ છે

ખરું / ખોટું

(૧૨) આજ ની જાણકારી માટે આપણે સ્મોક, બીમ ડીટેક્ટોર લાગેલા છે

ખરું / ખોટું

(૧૩) આપણે ત્યાં આજ હોલવવા ઓટોમેટીક સ્પ્રિંકલર ની વ્યવસ્થા છે

ખરું / ખોટું

(૧૪) આપણે ત્યાં આજ નો સામનો કરવા એક જોકી પમ્પ, બે ઇલેક ટ્રીક પમ્પ ને એક ડિઝલ પમ્પ બેસાડેલ છે

ખરું / ખોટું

કુલ ગુણ: 11

ચકાસણી કરનારની સહી:

સ્કોર: ૦-૫% ટ્રેનીંગ જરૂરી

૬-૭% સંતોષકારક

૮% સાંકું

૯-૧૦% બહુજ સાંકું

કંપની નું નામ: આશા સેલ્યુલોઝ પ્રાઇવેટ લીમીટેડ - અબ્રામા, વલસાડ

દેનીંગ મો ભાગ લેનાર નું નામ: Bakul C. Desai

વિભાગ: PBN-R2

વિષય: આજ ને તેનું નિવારણ

તારીખ: 22/12/17

દેનીંગ આપનાર: એસ. બી. પરમાર

(૧) આજ ના કેટલા પ્રકાર છે

આજ ના પ્રકાર ૩ છે ૧ સાત ૨ સાત ૩ સાત

(૨) આજ લાગવા માટે કઈ કઈ વસ્તુ જરૂરી છે

બલતણા ૧ કવા ૧ નાઈટજન ૧ ચિનગારી ૧

ફાઈફ કલોરિક્સેસીડ ૧ પાણી ૧

(૩) ઇલેક્ટ્રિક ની ચાલુ લાઈન માં આજ લાગે તો કયું અગ્નિ શામક વાપરશે

સીઓડો ૧ ફોમ ૧ ડીસીપી ૧ એબીસી ૧

(૪) આજ હોલવવા માટે જો આપણે આજ ને ઠંડી કરીએ તો આજ બુજી નહિ જાય

ખરું / ખોટું

(૫) સારી આજ હોલવવા માટે રેતી નો ઉપયોગ નાં કરાય

ખરું / ખોટું

(૬) જો જવલન શીલ પ્રવાહી કોળાય જાય તો તે નાં લીધે આજ નો ખતરો બનતો નથી

ખરું / ખોટું

(૭) આજ લાગવામાં સ્થિર વિદ્યુત / સ્ટેટિક ઇલેક્ટ્રીસીટી કોઈ પણ જાતનો ભાગ ભજવતો નથી

ખરું / ખોટું

(૮) જવલન શીલ પ્રવાહી ની આજ માં ફોમ અગ્નિશામક નો ઉપયોગ કરવો જોઈએ

ખરું / ખોટું

(૯) આજ નાં લાગે તેને માટે સારી ગૃહ વ્યવસ્થા જરૂરી છે

ખરું / ખોટું

(૧૦) જો આપણે ઓઈલ થી લુછેલું કપડું બહાર ગમે ત્યાં નાખીએ તો તે આજ નું કારણ બની શકે છે

ખરું / ખોટું

(૧૧) ચંચ માં ઘર્ષણ થવું એ પણ એક આજ નું કારણ છે

ખરું / ખોટું

(૧૨) આજ ની જાણકારી માટે આપણે સ્મોક, બીમ ડીટેક્ટોર લાગેલા છે

ખરું / ખોટું

(૧૩) આપણે ત્યાં આજ હોલવવા ઓટોમેટીક સ્પ્રિંગલર ની વ્યવસ્થા છે

ખરું / ખોટું

(૧૪) આપણે ત્યાં આજ નો સામનો કરવા એક જોડી પમ્પ, બે ઇલેક ટ્રીક પમ્પ ને એક ડિઝલ પમ્પ બેસાડેલ છે

ખરું / ખોટું

કુલ ગુણ: 13

ચકાસણી કરનારની સહી:

સ્કોર: 0-4% દેનીંગ જરૂરી

5-9% સંતોષકારક

10% સારું

10-10% બહુજ સારું

કંપની નું નામ: આશા સેલ્યુલોઝ પ્રાઈવેટ લીમીટેડ - અબ્રામા, વલસાડ

ટ્રેનીંગ માં ભાગ લેનારનું નામ: Meel P. Patel

વિભાગ: MN+

વિષય: આજ ને તેનું નિવારણ

તારીખ: 22/12/2017

ટ્રેનીંગ આપનાર: એસ. બી. પરમાર

(૧) આજ ના કેટલા પ્રકાર છે

ચાર / છ / ત્રણ / સાત

(૨) આજ લાગવા માટે કઈ કઈ વસ્તુ જરૂરી છે

બળતણ / કવા / નાઈલોન / ચિનગારી

હાઈડ્રો ક્લોરિક એસીડ / પાણી

(૩) ઇલેક્ટ્રિક ની ચાલુ લાઈન માં આજ લાગે તો કયું અગ્નિ શામક વાપરશો

સીઓટા / ફોમ / ડીસીપી / એબીસી

(૪) આજ ફેલવવા માટે જો આપણે આજ ને કંડી કરીએ તો આજ બુજી નહિ જાય

ખરું / ખોટું

(૫) સાદી આજ ફેલવવા માટે રેતી નો ઉપયોગ નાં કરાય

ખરું / ખોટું

(૬) જો જવલન શીલ પ્રવાહી ફોળાય જાય તો તે નાં લીધે આજ નો ખતરો બનતો નથી

ખરું / ખોટું

(૭) આજ લાગવામાં સ્થિર વિદ્યુત / સ્ટેટિક ઇલેક્ટ્રીસીટી કોઈ પણ જાતનો ભાગ ભજવતો નથી

ખરું / ખોટું

(૮) જવલન શીલ પ્રવાહી ની આજ માં ફોમ અગ્નિશામક નો ઉપયોગ કરવો જોઈએ

ખરું / ખોટું

(૯) આજ નાં લાગે તેને માટે સારી ગૃહ વ્યવસ્થા જરૂરી છે

ખરું / ખોટું

(૧૦) જો આપણે ઓઈલ થી લુછેલું કપડું બહાર ગમે ત્યાં નાખીએ તો તે આજ નું કારણ બની શકે છે

ખરું / ખોટું

(૧૧) યંત્ર માં ઘર્ષણ થવું એ પણ એક આજ નું કારણ છે

ખરું / ખોટું

(૧૨) આજ ની જાણકારી માટે આપણે સ્મોક, બીમ ડીટેક્ટર લાગેલા છે

ખરું / ખોટું

(૧૩) આપણે ત્યાં આજ ફેલવવા ઓટોમેટીક સ્પ્રિંગલર ની વ્યવસ્થા છે

ખરું / ખોટું

(૧૪) આપણે ત્યાં આજ નો સામનો કરવા એક જોકી પમ્પ, બે ઇલેક ટ્રીક પમ્પ ને એક ડિઝલ પમ્પ બેસાડેલ છે

ખરું / ખોટું

કુલ ગુણ:

10

ચકાસણી કરનારની સહી:

સ્કોર: 0-૫% ટ્રેનીંગ જરૂરી

5-૭% સંતોષકારક


૮% સારું

૯-૧૦% બહુજ સારું





ASHA CELLULOSE (I) PVT. LTD.

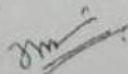
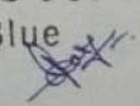
List of Employees' Identified for Training				
Training Topic		Fire, Fire Causes & Prevention		
Trainer/ Faculty		Mr. S. B. Parmar		
Sr. No.	Name of Employee	Design. & Dept.	Attended	Not Attended
1.	Chintan Z. Rohit	Sup. + PDN.	✓	
2.	Arunind G. Prajapati	Sup. + PDN.	✓	
3.	Sagar J. Prajapati	Sup. + PDN.	✓	
4.	Bahul C. Desai	Sup. + PDN.	✓	
5.	Kashyap K. Vaishnav	Sup. + PDN.	✓	
6.	Debang J. Ghadiyali	Officer + PDN.	✓	
7.	Pranav M. Patel	Worker + PDN.	✓	
8.	Rajesh B. Patel	Worker + PDN.	✓	
9.	Jaldeep A. Patel	Worker + PDN.	✓	
10.	Tigresh M. Patel	Worker + PDN.	✓	
11.	Meet P. Patel	Sup. + MNT.	✓	
12.	Samir C. Patel	Worker + MNT.	✓	
13.	Sanit D. Patel	Sup. + ETP.	✓	
14.	Rakesh T. Patel	Worker + ETP.	✓	
15.	Tigresh M. Patel	Sup. + Adm.	✓	
16.	Subash P. Patel	Worker + MNT.	✓	
17.	Ritesh C. Rathod	Worker + DM.	✓	
18.	Raman B. Ahire	Worker + Adm.	✓	
19.	Jayash Surti	Worker + QC	✓	
Signature & Date:  & 20/12/2017				

Rev: 00

Date Effective: 28/04/2017

PA/FR/07  
Page 1 of 1

&gt;&gt;&gt;&gt; The Master Document is Signed &amp; approved

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Only if Blue 

# ANNEXURE: XIX

## COMPLIANCE OF RISK ASSESSMENT REPORT

Asha Cellulose (India) Pvt. Ltd.	
Document : IMS Manual	Doc. No. : IMS/05
Title : Hazard Identification And Risk Assessment Register	Page : 1 of 5
Revision No. : 0	Revision Date : Not Yet Revised

Sr.	Department & Process	Identified Hazard	Various Types Of Risks Involved								Hazard Probability	Risk Severity & Rating	Risk Acceptable Yes / No	Legal Requirement Y / N	Reference OCP	Existing Control - Training / Visual Display / Automation
			Ill Health	Injury	Occ. Disease	Fire	Electric Shock	Toxic Release	Noise	Other						
	General Work Practices & Administration															
	Use of wooden, corrugated or card board box, b) cleaning chemicals, c) plastic bags or boxes, d) fuel, oil and lubricants for vehicle or machine, e) water, f) cotton rags or cloths, g) paper, files, stationary, ink cartridge, Xerox cartridge and lamination papers	Fire Hazards Injury due improper house keeping		⊗		⊗					L	C2/ 20	Yes	No	IMS/OCP/26	Training

Approved by : SBP	Approved by : K Srinivas	Approved by : March 2021	Approved by : April 2018
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Asha Cellulose (India) Pvt. Ltd.			
Document	: IMS Manual	Doc. No.	: IMS/05
Title	: Hazard Identification And Risk Assessment Register	Page	: 2 of 5
Revision No.	: 0	Revision Date	: Not Yet Revised

Sr.	Department & Process	Identified Hazard	Various Types Of Risks Involved								Hazard Probability	Risk Severity & Rating	Risk Acceptable Yes / No	Legal Requirement Y / N	Reference OCP	Existing Control - Training / Visual Display / Automation
			Ill Health	Injury	Occ. Disease	Fire	Electric Shock	Toxic Release	Noise	Other						
2	Entering of transport vehicle in the premises	Fire possibility due to hot air from exhaust				⊗					UL	B2/10	Yes	No	IMS/OCP/26	Training
3	Parking of the vehicle inside the premises	Collision with other vehicle		⊗						⊗	L	C2/20	Yes	No	IMS/OCP/26	Administrative control
4	Climbing and coming down from the stair case	Injury due to falling		⊗							L	C2/20	Yes	No	IMS/OCP/26	Training
5	Wear Safety helmet while on two wheeler and safety belt while driving car	Road Accident		⊗						⊗	L	C2/20	No	Yes	IMS/OCP/26	Training
6	Long working on computers / PC	Strain / Stress			⊗						L	C2/20	Yes	No	IMS/OCP/26	Adjustable work station
7	Use of mobile phone inside production/ control panel/ solvent/ ethyl acetate storage area	Fire Hazard				⊗					UL	B2/10	Yes	No	IMS/OCP/26	Training and Checklist

Approved by : SBP	Approved by : K Srinivas	Approved by : March 2021	Approved by : April 2018
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Asha Cellulose (India) Pvt. Ltd.			
Document	: IMS Manual	Doc. No.	: IMS/05
Title	: Hazard Identification And Risk Assessment Register	Page	: 3 of 5
Revision No.	: 0	Revision Date	: Not Yet Revised

Sr.	Department & Process	Identified Hazard	Various Types Of Risks Involved								Hazard Probability	Risk Severity & Rating	Risk Acceptable Yes/ No	Legal Requirement Y / N	Reference OCP	Existing Control - Training / Visual Display / Automation
			Ill Health	Injury	Occ. Disease	Fire	Electric Shock	Toxic Release	Noise	Other						
8	Chewing of tobacco, Gutka and other pan masala inside the premises	Health deterioration	⊗								L	C2/ 20	Yes	N	IMS/OCP/26	Training
9	Emergency exits are blocked	Injury Spreading of Fire		⊗		⊗					L	C2/ 20	Yes	N	IMS/OCP/26	Instructions
10	Inadequate illumination at work area	Stress on eye and Injury	⊗	⊗							L	C2/ 20	Yes	Y	IMS/OCP/26	Adequate lightings at work area
11	Electrical FLP fittings sockets are not covered	Spark				⊗					UL	B1/ 5	Yes	N	IMS/OCP/26	Physical Inspection
12	Scheduled drug kept in First Aid box and consumed by person without knowledge of Medical Practitioner	Adverse health effect	⊗								L	C2/ 20	Yes	N	IMS/OCP/26	First Aid box checking

Approved by : SBP	Approved by : K Srinivas	Approved by : March 2021	Approved by : April 2018
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Asha Cellulose (India) Pvt. Ltd.			
Document : IMS Manual		Doc. No. : IMS/05	
Title : Hazard Identification And Risk Assessment Register		Page : 4 of 5	
Revision No. : 0		Revision Date : Not Yet Revised	

Sr.	Department & Process	Identified Hazard	Various Types Of Risks Involved								Hazard Probability	Risk Severity & Rating	Risk Acceptable Yes / No	Legal Requirement Y / N	Reference OCP	Existing Control - Training / Visual Display / Automation
			Ill Health	Injury	Occ. Disease	Fire	Electric Shock	Toxic Release	Noise	Other						
13	Moving part of the machinery not guarded	Injury		⊗							L	C2/20	N	N	IMS/OCP/26	Training to mechanics
14	Security arrangement to keep watch on unauthorized entry and infiltration	Undesired event in the premises								⊗	L	C1/10	Y	N	IMS/OCP/26	Round o'clock security
15	Reporting Near Miss and Accidents	Event severity increase if not reported		⊗		⊗	⊗	⊗			L	C2/20	N	Y	IMS/OCP/26	Reporting procedure in place
16	Inspection of Fire Hydrant system	Injury		⊗							L	C2/20	N	Y	IMS/OCP/26	Regular inspection
17	Inspection of Fire Extinguishers	Injury / suffocation		⊗							L	C2/20	N	N	IMS/OCP/26	Regular inspection
18	Use of Personal Protective Equipment	Injury , Exposure to chemicals, Exposure to high Noise		⊗	⊗				⊗		L	C2/20	N	N	IMS/OCP/26	Training

Approved by : SBP	Approved by : K Srinivas	Approved by : March 2021	Approved by : April 2018
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Asha Cellulose (India) Pvt. Ltd.			
Document	: IMS Manual	Doc. No.	: IMS/05
Title	: Hazard Identification And Risk Assessment Register	Page	: 5 of 5
Revision No.	: 0	Revision Date	: Not Yet Revised

Sr.	Department & Process	Identified Hazard	Various Types Of Risks Involved								Hazard Probability	Risk Severity & Rating	Risk Acceptable Yes / No	Legal Requirement Y / N	Reference OCP	Existing Control - Training / Visual Display / Automation
			Ill Health	Injury	Occ. Disease	Fire	Electric Shock	Toxic Release	Noise	Other						
19	Follow Safety Work Permit	Fire, Injury		⊗		⊗					L	C2/20	N	N	IMS/OCP/26	Safety Work Permit Format in place Training
20	Installation of Lightning arrester	Fire				⊗					L	C3/30	N	Y		Lightening arrester resistance checked on annual basis
21	Grounding to each equipment and jumpers on line flanges	Fire due to static charge generation				⊗					L	C2/20	N	Y		All equipment earthing is checked on annual basis.
22	Provision of rubber mat at Panels	Electrical Shock		⊗			⊗				L	C1/10	Y	N		IS marked Rubber mats provided at panels
23	Maintain house keeping	Ill health, Injury, Fire	⊗	⊗		⊗					L	C2/20	Y	N		Housekeeping is routine activity and Training

Approved by : SBP	Approved by : K Srinivas	Approved by : March 2021	Approved by : April 2018
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## ANNEXURE: XX

### DETAIL OF CSR ACTIVITY

ASHA CELLULOSE (I) PVT. LTD.					
Sub-Ledger DONATION A/C 01-04-2017 To 30-09-2017					
DATE	VOCHER NO	CHQ.NO.	CHQ.NO. DATE	NAME	AMOUNT
DONATION A/C					
05-05-2017	Pmt:17-18/0215	006651	05-05-2017	SHREE VALSAD TALUKA PATEL SAMAJ PRAGATI MANDAL	11,000.00
05-16-2017	Pmt:17-18/0296	006695	16-05-17	PROGRESSIVE FOUNDATION OF HUMAN RIGHTS	35,000.00
08-19-2017	Cpm:GST/17-18/01	CASH	19-08-17	BEING AMOUNT PAID TO SARVAJANIK GA	3000
08-23-2017	Pmt:GST/17-18/02	2230	23-08-17	BERGER PAINTS EMPLOYEES PUJA COMMITTEE	4000
TOTAL					53,000.00

**BERGER PAINTS EMPLOYEES' BISWAKARMA PUJA  
COMMITTEE**

14 & 15, Swarnamoyee Road,  
P.O. – Botanic Garden, Howrah – 711 103  
Ph. 2668 4706 (4 Line)

Ref. ....

Date. 21-8-2017

To,

**ASHA CELLULOSE PVT LTD**

Dear friend,

Once again Lord Biswakarma Puja is coming around and we approach you for your generous contribution that has made this celebration so meaningful and appropriate for so many years.

We are looking forward to your participation this year also and take this opportunity to invite you to our Factory on 17th September 2017 to celebrate with us.

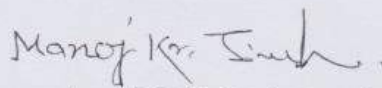
We are approaching you to contribute Rs. 4000/- for this celebration. After getting your contribution we will send the money receipt accordingly.

Contribution in case of Draft / Cheque will be made in favour of

**"Berger Paints Employees' Puja Committee"**

Thanking you, •

Yours faithfully,



For & On-behalf of Puja Committee.

Please send the cheque

TO Cash department

Berger Paints Howrah Works.

14 & 15, Swarnamoyee Road,  
P.O. – Botanic Garden,  
Howrah – 711 103  
Ph. 2668 4706 (4 Line)



## SAMAST PATIDAR AAROGYA TRUST

Near Sumul Dairy, Vastadevdi Road, Surat - 395004

Trust Registration No. : E/7373/SURAT

PAN No. : AAMTS5310F

Receipt No. : SPAT/2017-2018/1907

Receipt Date : 19-12-2017

Date : 26-12-2017

Received with thanks from M/S. ASHA CELLULOSE I PVT LTD having PAN / ID No. AACCA3502G and address ASHA HOUSE, 808/ C, DR.B.A.ROAD, DADAR T.T., MUMBAI.

As per below particulars:

Corpus Fund	Rs.	200,000.00
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In Words Two Lakh Rupees received through Cheque no. 002416, drawn on BOB, CHANDAVARKAR ROAD, MUMBAI.

Corpus Fund given to trust, is exempt u/s. 80G(5) of the Income Tax Act, 1961 vide exemption Certificate No. SRT/CIT-III/Tech/80G(5)/SPAT/2013-14 Dated: 24/07/2013

For Samast Patidar Aarogya Trust



Trustee / Authorized Person



Signature of Donor

Exemption Certificate No.  
Surat/CIT-III/Tech./80G(5)/SPAT/2013-14  
Dated - 24/07/2013  
w.e.f. 08/04/2013

## ORGANISATION CHART - EHS

**MAHESH ARVIND**  
**OPERATOR-ETP**



# ANNEXURE: XXII

## ENVIRONMENTAL STATEMENT FORM V



### ASHA CELLULOSE (I) PVT. LTD.

Works : Near Water Works, Abrama, Valsad-396 001, India  
Phones : +91 2632 264299 - 263668, 600382 Mobile : 9887672015, 9868610411 Fax : +91 2632 227376  
Email : valsad@ashacel.com Website : www.ashacel.com CIN No. : U27200GJ1993PT1045772



#### ENVIRONMENTAL STATEMENT

#### FORM - V

(SEE RULE 14)

From: M/s. Asha Cellulose (I) Pvt.Ltd.  
Survey No. 303/3, & 302/P, Near water Works, Village: Abrama  
Dist.: Valsad

To: Gujarat Pollution Control Board,  
Sector - 10 A,  
Gandhinagar - 382 043.

ENVIRONMENTAL STATEMENT for the financial year ending on the 31st. March, 2017

#### PART - A

(i)	Name & Address of the owner/occupier of the Industry operation or process	Name: Mr. K. Srinivas Address: M/s. Asha Cellulose (I) Pvt.Ltd. Survey No. 303/3, & 302/P, Near water Works, Village Abrama Dist: Valsad (Gujarat).
(ii)	Industry category: Primary - (STC Code) Secondary - (STC Code)	Small Scale Industry
(iii)	Production Capacity - Units	Not more than 51.72 MT/Month
(iv)	Year of establishment	1999
(v)	Date of the last environmental statement submitted:	2016

\* submission of environmental statement is in accordance with the provisions of rule-14 of the Environment (Protection) Amendment Rules, 1993 of the Environment (Protection) Act, 1986 (29 of 1986) published wide notification dated 22.4.1993 G.S.R.386(E) in the Gazette of India - Extraordinary-Part-II section-3 subsection (i) no 155 dated 28.4.1993 dated 28-4-1993 by the Ministry of Environment and Forests, Government of India; read with the Notification dated 13-2-1993 F.S.R. 329(E) of the Gazette of India - Extraordinary Part-II Section-3 (i) No. 120 dated 13-3-1993.

"Every person carrying on an industry, operation or process requiring Consent under Section -25 of the Water (Prevention & Control of pollution) Act, 1974 (6of 1974) or under Section-21 of the Air(Prevention & Control of pollution) Act,1981 (14 of 1981) or both or authorization under the Hazardous Waste (Management & Handling) Rule ,1989 Published under the Environment (Protection) Act,1986 (29 of 1986) shall submit an Environmental Statement for the financial year ending the 31<sup>st</sup> March in Form -V to the concerned State Pollution Control Board on or before the thirtieth day of September every year, beginning 1993."

Regd. Office : Asha House, Plot No. 806/C, Dr. B. A. Road, Darter T. T. Mumbai - 400 014, India.  
Phones : +91-22-2414 0020, 49541400 • Fax : +91-22 -2413 7190 • E-mail : ashacel@ashacel.com



## ASHA CELLULOSE (I) PVT. LTD.

Works : Near Water Works, Abriama, Valsad-396 001, India  
Phones : +91 2632 254299 • 263665 650382 Mobile: 9687617011, 9687610411 Fax : +91 2632 227019  
Email : valsad@ashacel.com Website : www.ashacel.com CIN No. : U27200MH1968PTC046727



### PART - B

#### Water and Raw Material Consumption

##### (I) Water Consumption M<sup>3</sup>/Day - 38

Domestic	: 1.5 M <sup>3</sup> /Day
Industrial Process	: 29 M <sup>3</sup> /Day
Boiler & Cooling	: 7.5 M <sup>3</sup> /Day

Name of product	Process water consumption per unit of product output	
	During the previous financial year.	During the current Financial year.
	KL/T (1)	KL/T (2)
Ethyl Cellulose	39.46	24.34*
* Water consumption is less due recycling and reuse of water after treatment.		

##### (II) Raw Material Consumption:

Name of Raw Materials	Name of product	Consumption of raw material per unit of output	
		During the previous financial year 2015-2016	During the current financial year 2016-2017
Wood Pulp	Ethyl Cellulose	0.84 kg/Kg	0.82
Sodium Hydroxide		3.56 kg/kg	3.53
Ethyl Chloride		3.1 kg/kg	3.36

- Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw material used.



## ASHA CELLULOSE (I) PVT. LTD.

Works : Near Water Works, Abrama, Valsad-396 001, India  
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Email : valsad@ashacel.com Website : www.ashacel.com CIN No. : U27200MH1998PTC046727



### PART - C

Pollution Discharged to environment / unit of output.  
(Parameter as specified in the consent issued)

Pollutants	Qty. Of pollutants discharged (Mass / Day)	Concentration of Pollutants in discharges (Mass / Volume)	Percentage of various from prescribed standards with reason
(a) Water	COD: 1.774 Kgs/day	COD: 74 mg/l	Within GPCB Norms
	BOD: 0.408 Kgs/day	BOD: 17 mg/l	Within GPCB Norms
	SS: 1.14 Kgs/day	SS: 30 mg/l	Within GPCB Norms
(b) Air	PM: 0.94 Kgs/day	PM: 39 mg/Nm <sup>3</sup>	Within GPCB Norms
	SO <sub>2</sub> : 1.051 Kgs/day	SO <sub>2</sub> : 28.5 mg/Nm <sup>3</sup>	Within GPCB Norms
	NOx: 0.56 Kgs/day	NOx: 15.2 mg/Nm <sup>3</sup>	Within GPCB Norms

### PART - D

As specified under Hazardous Wastes / Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity	
	During the previous financial year 2015-2016	During the current financial year 2016-2017
(a) From Process – Salt (MT)	319	399.738
(b) ETP Sludge (MT)	8.290	10.47
(c) Used Oil (Sold to registered recycler) - L	60	Nil
(c) Discarded Containers (MT) (Sold to Authorized recyclers)	4.520	1.364
(d) Dust from air Filter recycled in process (Kgs)	38.25	35.12
(e) Recovered Solvent recycled in the process (MT)	249	146.827
Sold (MT)	Nil	6.005

### PART - E SOLID WASTE

	Total Quantity	
	During the previous Financial year	During the current Financial year
(a) From process	--	
(b) From pollution control facility	-	-
(d) Quantity recycle or re-utilized within the unit	-	-

Regd. Office : Asha House, Plot No. 808/C, Dr. B. A. Road, Datar T. T. Mumbai - 400 014, India.  
Phones : +91-22-2414 0020, 40641400 • Fax : +91-22-2413 7190 • E-mail : ashacel@ashacel.com





## ASHA CELLULOSE (I) PVT. LTD.

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Email : valsad@ashacel.com Website : www.ashacel.com CIN No. : U27200MH1988PTCO46727



### PART - F

Please specify the characterization (In terms of composition and quantum) of hazardous as well as solid and indicate disposal practice adopted for both these categories of wastes.

Physical form with Description	Cat.	Chemical Form	Disposal Method
ETP Sludge - Solids	34.3	Neutralization salt	Disposed to TSDF
Used Oil - Liquid	5.1	Oil	Sold to Authorized recycler
Discarded Container	33.3	Poly-Liner, HDPE, Plastic	Sold to Authorized recycler
Recovered Solvent - Liquid	20.2	Ethyl Chloride, Toluene, Ether, Ethanol mix	Sold to approved recycler
Process waste Salt - Solids	26.1	Neutralization Salt	Disposed to TSDF

### PART - G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

**Water:** Industrial Effluent is treated in ETP having primary Treatment, Secondary treatment and Tertiary Treatment. The treated wastewater from ETP finally made reusable in RO Unit. RO Reject fed to MEE for separation of solids. RO treated water is reused in the plant. MEE condensate water utilized in cooling tower and solids separated from MEE, as a salt, disposed to TSDF

**Air:** (a) Adequate height of chimney provided to steam boiler  
(b) Natural Gas used as fuel in Boiler and Hot Air generator  
(c) Dust collector installed at Dryer

**Solid:** Hazardous waste stored in secured storage area & disposed to TSDF

### PART - H

Additional measures / investment proposals for environmental protection including abatement of prevention of pollution.

NIL

### PART - I

Any other particulars for improving the quality of the environment:

NIL

Date: 03-05-2017

(Signature of a person carrying out an Industry, Operation or Process)

Name: K. Srinivas

Designation: Director

Address:

M/S Asha Cellulose (I) Pvt. Ltd,  
Near Water Works, Abrama-Valsad