

Sr. No.	Subject	Compliance
	This has reference to our letter no: GP/ MoEF/ 07-08/12/01 dated 17 <sup>th</sup> December, 2007 along with application in form-1 and pre-feasibility report seeking environmental clearance for the above project under the Environmental Impact Assessment Notification, 2006 and subsequent submission of EIA Report vide our letter no: GP/MoEF/ 08-09/ 04/01 dated 21 <sup>st</sup> April, 2008.	
2	The Ministry of Environment and forest has examined the proposal and noted that the proposal is for environmental clearance for Man-made fibre unit at Village: Nana Borsara, Taluka: Mangrol, Dist: Surat, Gujarat by M/s. Gujarat Polyfils 1200 MT/Month of Fully Drawn Yarn (FDY) and Partially Oriented Yarn (POY) by using 1200 MT/ month of Polyester chips and 25 MT/ Month Spin Finish Oil for the strengthening of Yarn. The total proposed project cost will be about Rs. 40 Cr. The Total area required for the project will be 88,312 m.sq.	Six Monthly Average Production of POY and FDY is 1017.833 MT and Polyester Lumps and Rejected yarn is 22.16 MT.  Raw material consumption month-wise details for FDY & finished oil are attached as Annexure 1,  Location layout plan based on phases is attached as Annexure 2.
3	Baby Boiler (800 kg steam/hr) will be connected with adequate high chimney and provided with stack monitoring facilities. The steam will be utilized for operation of Multiple Stage Evaporator to treat Effluent. The total water requirement of 70 KLD will be sourced from borewell. Wastewater (7.2 KLD) generated through process and detergent/ liquid soap cleaning will be treated in Primary Effluent collection cum Neutralization tank and evaporated I closed loop Multiple stage Evaporator system (MSE). Condensate water will be reused in cooling water make-up and RO feed. Inorganic salt generated from MSE will be disposed to TSDF and Zero discharge will be maintained. Domestic wastewater generated will be disposed off through soak pit.	Boiler runs on electricity, hence no pollution load occurs due to usage of fuel.  Details of boiler are attached as Annexure 3  GPCB confirmation letter about installation of multistage evaporator is attached as Annexure 4.  Month-wise details of steam consumption in MSE attached as Annexure 5  Details of month-wise water consumption attached as Annexure 6.  Details of month-wise wastewater generation attached as Annexure 7.  Photographs of multi stage evaporator and ETP system are attached as Annexure 8.
4	The project activity is listed at S.N. 5(d) and is of IV category under the schedule of EIA notification, 2006, however consider at the central level as the project is within 10 kms. Of the critically polluted area. The proposal was considered in 81 <sup>st</sup> meeting of the Expert Appraisal Committee (industry) held during 12 <sup>th</sup> to 14 <sup>th</sup> May 2008, the committee categorized the unit as B-2 category	Document from MoEF stating no public hearing is required for the existing plant is attached as Annexure 9.



	requiring no public hearing.	
5.	Based on the information submitted by the project authorities, the MoEF hereby accords the EC to the above project under the provisions of EIA notification dated 14 <sup>th</sup> September, 2006 subject to compliance of the following specific and general conditions.	EC letter has been attached as Annexure 10
<b>A        SPECIFIC CONDITONS</b>		
I	The project authorities shall install waste water treatment system for treatment of waste water as per the norms of SPCB and reuse or recycle or utilize within the plant premises to achieve zero discharge.	Find attached detailed analysis report by GPCB as Annexure 11.  Third party analysis report is attached as Annexure 12.
II	The project authorities shall install multi-cyclone with boilers to achieve particulate emissions with 100mg/Nm <sup>3</sup> and provide monitoring arranged with the stacks.	Boiler runs on electricity, hence no pollution load is found in the process. Therefore, there is no need of APC measures.
III	Fugitive emissions in the work zone environment, product, raw materials, storage area etc. shall be regularly monitored. The emissions shall confirm to the limits imposed by GPCB.	Find attached the monthly Ambient Air Quality data done by third party as Annexure 13.
IV	Inorganic salts from Multiple Stage Evaporator shall be disposed off through Bharuch Enviro Infrastructure Limited TSDF, Ankleshwar. The used and spent oil and empty drums and HDPE/ LDPE liners shall be sold to the registered Reprocessor/ Rerefiner and approved vendors.	Find attached the monthly inorganic salt production data attached as Annexure 14  The inorganic salts are disposed to SPCB approved TSDF site.
V	The project authorities shall develop green belt in 33% of project area as per the guidelines of CPCB to mitigate the effect of fugitive emissions.	For 88,312 sq.m the green belt area should be 33% which shall be: 29142.96 sq.m. Layout plan shows the existing and proposed green belt area layout.
VI	Adequate financial provision shall be made in the budget of the project for implementation of the above suggested environmental safe guards. Fund so earmarked shall not be diverted for any other purposes.	Funds for the environmental safe guards are as follows:  ETP: Rs. 4,75,000/-  Multiple Stage Evaporator: Rs. 9,25,000/-
VII	Occupational health surveillance of the workers shall be done on regular basis and records maintained as per the Factory Act.	Sample Reports of medical check-up have been attached as Annexure 15.
VIII	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in	Details of Fire fighting equipments are attached as Annexure 16.



	material handling.	Locations of fire extinguishers are also mentioned.
<b>GENERAL CONDITIONS</b>		
I	The project authorities shall strictly adhere to the stipulations of SPCB/ state government or any statutory body	Accepted.
II	No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF. In case of deviations or alteration 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.	Accepted.
III	The project authorities shall strictly comply with the rules and regulations under manufacture, storage and import of hazardous chemicals Rules, 1989 as 'amended authorization from SPCB shall be obtained for collection storage, treatment, storage and disposal of hazardous wastes.	Details of hazardous waste are provided as Annexure 17 Details of monthly disposal of ETP sludge to SPCB approved TSDF site BEIL is attached as Annexure 18.
IV	Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with SPCB	Attached below is the third party air monitoring report of the site as Annexure 13.
V	The project authorities must strictly comply with the rules & regulations with regard to handling and disposal of hazardous waste in accordance with the Hazardous waste (management and handling) Rules, 2003. Authorization from the SPCB shall be obtained for collections/ treatment/ storage/ disposal of hazardous waste.	Inorganic salts generated are disposed off the GPCB approved TSDF site attached as Annexure 14. ETP sludge produced during the process is disposed off at GPCB approved TSDF site attached as Annexure 18. Copy of CCA has been attached as Annexure 19
VI	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 rules v z 75 dBA ( day time) and 70 dBA (night time)	Analysis report of third party has been attached as Annexure 20.
VII	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring function	Organogram of management cell with description of the EMS involved in environmental management and



		monitoring function at site is attached as Annexure 21.
VIII	The project authorities shall provide rain water harvesting system and groundwater recharge.	Details of rainwater harvesting system attached as Annexure 22.
IX	The implementation of the project vis-vis environmental plans shall be monitored by Ministry's Regional Office/SPCB/CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.	Shall be complied.
X	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 SPCB and may also be seen at Website of the ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, atleast 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 Ministry's Regional office.	Details have been complied and given as Annexure 23. ( Kindly attach the newspaper cutting)
XI	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 concerned authorities and the date of start of the project.	Self- funded industry.
6	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Acceptable
7	The ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.	---
8	Any appeal against this EC shall lie with the National Environmental Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of NEAA Act, 1977.	---
9	The above conditions shall be enforced, inter- alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environmental (protection) Act, 1986, Hazardous Wastes ( Management and Handling) Rules, 2003 and the public Liability Insurance Act, 1991 along with their amendments and rules.	According to the CCA obtained from SPCB.



## *Annexure 1: Raw Materials - FDY and Spin Finish Oil Month Wise Consumption Details*

Sr. No.	Month-wise	Raw Material Consumption Details	Spin Finish Oil Consumption
1	April-2012	1333 Ton	13 Ton
2	May-2012	1032 Ton	10 Ton
3	June-2012	540 Ton	5 Ton
4	July-2012	885 Ton	8 Ton
5	August-2012	1134 Ton	111 Ton
6	September-2012	1303 Ton	12 Ton



## *Annexure 2: Location Layout Plan*





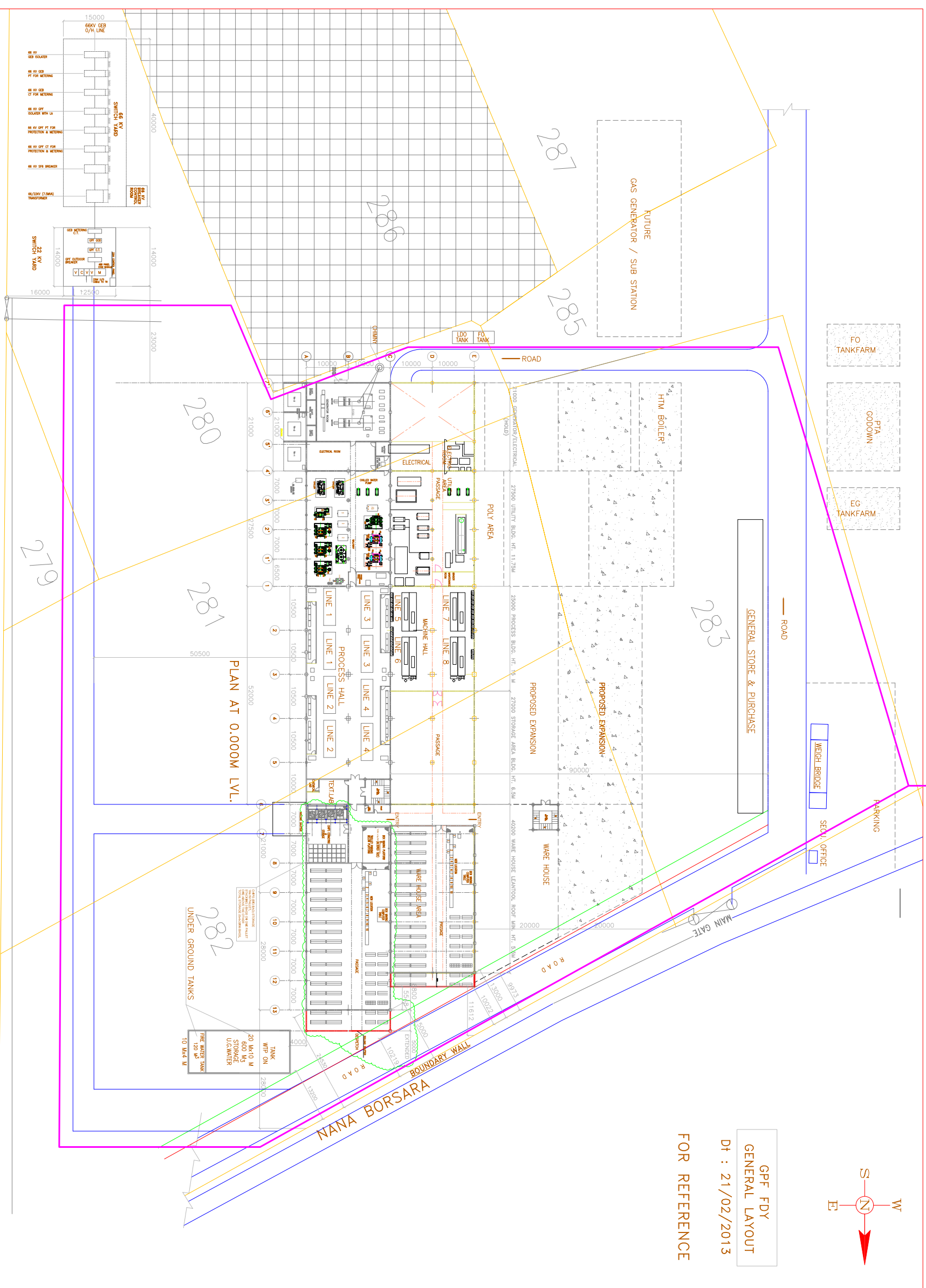


VILLAGE POND



Dt : 21/02/2013

FOR REFERENCE






### *Annexure 3: Details of Boiler*

<b>Boiler details: Capacity:</b>			
Boiler rating (From & at 100oC)	Q	800	Kg/hr
Pressure	P	4	Kg/cm2
Temperature	T	270	oC
Fuel Used	--	Electricity	--
Thermal Efficiency targeted	N	95	%
Theoretical heat Required	Qt	69660	KCal/hr
Heat input to the boiler	Qi	69660	Kcal/hr



## *Annexure 4: Confirmation Letter from GPCB for Installation of Multistage Evaporator.*

	<b>GUJARAT POLLUTION CONTROL BOARD</b> <b>Paryavarán Bhavan</b> Sector-10-A, Gandhinagar-382 010. Phone : (079) 23226295 Fax : (079) 23232156 Website : www.gpcb.gov.in
<div style="display: flex; justify-content: space-between;"><div>GPCB ID : 34040 NO.CCA-SRT-1099/ <b>58978</b></div><div><b>14 SEP 2010</b></div><div>BY R.P.A.D.</div></div>	
To, M/s Gujarat Polyfils, Plot No. 280, 281, 282. Village- Nana Borsara, Tal : Nagrol, Dist : Surat.	
<p>Sub : Stay over 33-A directives issued under Water (Prevention and Control of Pollution) Act, 1974.</p> <p>Ref : (1) This office letter No.CCA-SRT-1099(2)/57826, Dated : 25/8/2010 (2) Your letter No. NIL, Dated: 31/8/2010 along with undertaking Dt. 31/8/2010</p>	
Sir,	
<p>The Board had issued Directions under Section 33-A of the Water Act-1974 with effect of 15 days vide the Board's letter No. CCA-SRT-1099(2)/57826, Dated: 25/8/2010 for closure of your industrial plant situated at above mentioned site.</p> <p>And whereas you have</p> <ol style="list-style-type: none"><li>(1) R.O's official during visit on Dt.07/09/2010 and found that you have installed evaporator to achieve zero discharge condition.</li><li>(2) Submitted duly notarized undertaking to comply CCA condition under Water Act-1974.</li><li>(3) Submitted duly notarized undertaking for operating ETP efficiently &amp; not disposed effluent and will maintain zero discharge condition as per Env.clearance issued by MOEF.</li><li>(4) You have also submitted Bank Guarantee to the Board.</li></ol> <p>In view of the above, the Board is now allowing you to start the production activities by issuing stay order over 33-A directives issued under the Water Act, 1974 for <b>Fully Drawn Yarn</b> in your industrial plant situated at above mentioned site for period up to <b>13/12/2010</b> with regards to operate water pollution control equipments as assurance given by you. Subject to the following specific conditions:</p> <ol style="list-style-type: none"><li>1. You shall maintain &amp; operate water pollution control device in order to meet zero discharge condition as per duly notarized undertaking Dated -31/08/2010</li><li>2. You shall comply with the conditions of Environment Clearance issued by MOEF.</li></ol> <p>During this period, you will have to submit maintained logbook data for operation of evaporator every month and electricity consumption and date of day to day production along with action with regards to assurance given by you as per undertaking Dated : 31/08/2010 submitted to this Board.</p>	
<b>Clean Gujarat Green Gujarat</b>	



*Annexure 5: Month-wise Steam consumption  
Details:*

Sr. No.	Month-wise	Consumption Details
1	April-2012	4000kg
2	May-2012	2900kg
3	June-2012	4500kg
4	July-2012	3500kg
5	August-2012	2800kg
6	September-2012	2700kg



## *Annexure 6: Details of Month-Wise Water Consumption Details*

Sr. No.	Month-wise	Consumption Details
1	April-2011	2600 KL
2	May-2011	2524 KL
3	June-2011	2907 KL
4	July-2011	3105 KL
5	August-2011	3060 KL
6	September-2011	3079 KL



## *Annexure 7: Details Of Month-Wise Waste Water Generation*

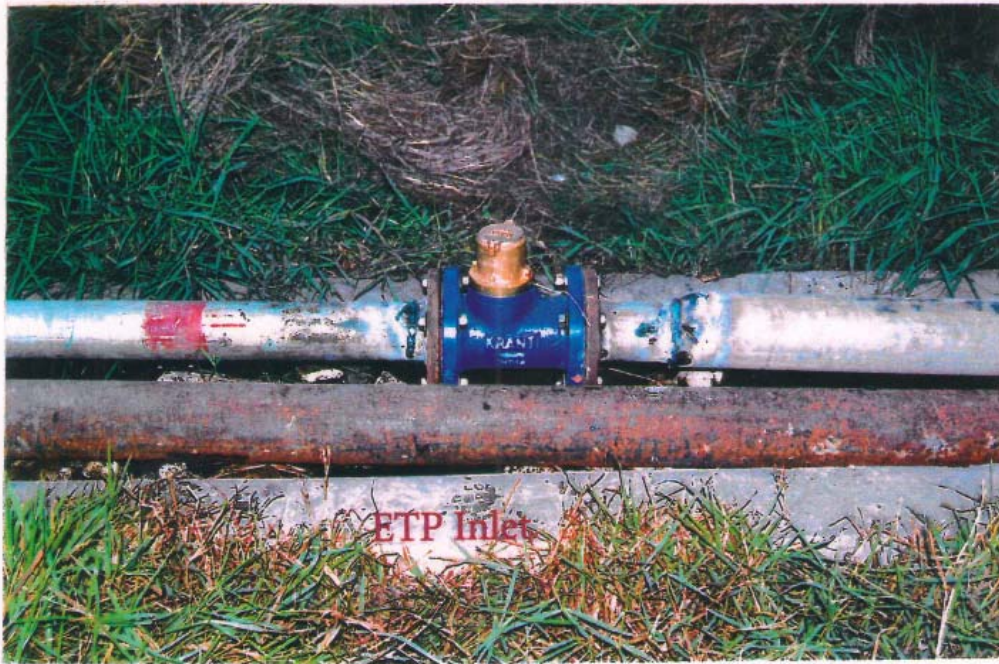
Sr. No.	Month-wise	Generation Details
1	April-2012	1290 KL
2	May-2012	1330 KL
3	June-2012	1260 KL
4	July-2012	1150 KL
5	August-2012	1240 KL
6	September-2012	1330 KL



*Annexure 8: Photographs of Multistage  
Evaporator & ETP.*









## *Annexure 9: Document from MoEF Waving Off Public Hearing.*

### 9.2.7 Proposed expansion for the manufacturing of man made fibers at Village Nana Borsara, Tehsil Mangrol, in District Surat in Gujarat by M/s Gujarat Polyfils- reg.TORs

The project authorities and their consultant Envisafe Environment Consultants, Ahmedabad gave a detailed presentation on the salient features of the project and the proposed environmental protection measures to be undertaken along with the draft TORs for preparation of EIA/EMP.

The project activity is listed at Sl. No. 75(d) of EIA Notification, SO. No.-1533 dated 14/09/06 and further amended vide SO-3067 (E) dated 01/12/09. This is a B? category project. However, the project considered by the Expert Appraisal Committee -2(I) as per the general condition of the said notification as the project site is located within 10 km from the boundary of critically polluted area viz. Ankleshwar.

M/s. Gujarat Polyfils (A Unit of Modern Insulators Ltd.) is an existing large scale unit involved in manufacturing of man made fibers, namely Polyester Filament Yarn [Partially Oriented Yarn (POY) & Fully Drawn Yarn (FDY)] with production capacity of 1,200 MT/Month and Polyester Lumps & Rejected Yarn as By-Products with the production capacity of 25 MT/Month. Environmental clearance was obtained vide Ministry's letter no. J-11011/1321/2007-(A-II/I) dated 6<sup>th</sup> June, 2008 for the existing capacity.

Now, the unit proposes to expand the existing manufacturing activity for production capacity up to 2,400 MT/Month along with by-products with production capacity up to 50 MT/month in the same premises. Thus, there will be an increase in total production capacity to 1,225 MT/Month along with the by-products during proposed expansion. No endangered species of flora and fauna has been reported. The total land area available is @ 88,312 sq. m. out of which, unit has already developed green belt in 15,000 sq. m. of area and it will be increased up to 30,000 sq. m. (33% of total land area) after proposed expansion. There will be no additional land requirement for proposed expansion. The total cost of project after proposed expansion will be Rs. 8,735 Lakhs.

The manufacturing process of the Polyester Filament Yarn (POY & FDY) involves different mechanical and engineering operation viz. Drying, Melting, Spinning, Quenching, Hot/Cold Godets & Winding. The main raw materials required for the manufacturing of product is Polyester Chips. The quantity required for existing production is 1205.0 MT/Month, which will increase up to 2410.0 MT/Month after proposed expansion.

At present, power requirement is 2500 KW, which will increase to 5000 KW after proposed expansion. This will be supplied by DGVCL (Daxin Gujarat Vij Company Ltd.). The unit has provided 2 Nos. of DG Sets of 860 KVA-each which



is being used in case of main power failure. The unit has also provided four numbers of 90 KW each electrically operated thermic fluid heaters.

At present, total fresh water requirement is 145 KLD mainly for DM Plant, cooling, green belt and domestic purpose which will increase up to 250 KLD after proposed expansion. The water requirement will be met from the bore well. The unit falls under Safe zone and is not covered under the list of critical areas published by CGWA.

At present the industrial effluent generation is @ 11.0 m<sup>3</sup>/d which is mainly generated from cooling blow down & regeneration of DM Plant. Since the effluent does not have any organic contamination and is alkaline in nature, the unit has provided ETP only for neutralization. The treated effluent conforming to the prescribed standards are utilized for gardening & plantation purpose within premises. The unit maintains "Zero Effluent Discharge." The total industrial effluent generation after proposed expansion will be @ 22.0 KL/day, which will be treated in the existing ETP and the existing effluent treatment plant is adequate to handle the existing as well as proposed effluent load. After expansion, the total quantity of effluent will be used for gardening and plantation within the premises and hence the unit will maintain "Zero Effluent Discharge." The domestic waste water will be disposed through septic tank / soak-pit.

At present, electricity is used for heating purpose in four nos. of Thermic Fluid Heaters, (capacity - 90 KW-each). There is no flue gas emission from Thermic Fluid Heater. The unit has also provided two nos. of D.G. Set (860 KVA each) where common stack attached to both the D.G. sets having adequate height of 12m has been provided for the proper dispersion of pollutants into atmosphere. Since, HSD @ 80 Liters/day is used as fuel, there is no requirement of air pollution control measures. The existing utility provided by the unit is adequate for the proposed expansion, so there will be no any additional utility required after proposed expansion.

Exemption from public hearing.

The source of hazardous waste generation are discarded drums and liners from storage and handling of raw materials @ 32 Nos./Year & 7200 Kgs/Year respectively which will be decontaminated and reused or sold to authorized recyclers. Other source of hazardous waste generation is Used Oil & Spent Oil from the plant and machinery @ 6200 Liters/Year & 1400 Liters/Year respectively and will be reused as lubricant within premises or sold to MoEF approved recyclers.

The Committee noted that there will not be any manufacturing of polyester chips which will be bought. There will be zero discharge of effluent. The Committee categorized the project as B2 and exempted the project from public hearing.



# Annexure 10: EC letter



Baart sarkar  
Payaa-varNa evaM vana maM~alaya  
Government of India  
Ministry of Environment & Forests  
(IA Division)

By Speed Post

Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi - 110 003

E-mail: [hsmalviva@gmail.com](mailto:hsmalviva@gmail.com)  
Telephone: 011: 2436 7076

F. No. J-11011/1321/2007-IA-II(I)

Dated : June 6, 2008

To

M/s. Gujarat Polyfils  
Village Nana Borsara,  
Taluka Mangrol,  
Dist Surat, Gujarat

[guipolyfils@rediffmail.com](mailto:guipolyfils@rediffmail.com)

Sub: Man made Fibre unit at Village: Nana Borsara, Taluka: Mangrol, Dist: Surat, Gujarat by M/s. Gujarat Polyfils – Environmental Clearance reg.

Sir,

This has reference to your letter no. GP/MoEF/07-08/12/01 dated 17<sup>th</sup> December, 2007 along with application in Form – 1 and pre-feasibility report seeking environmental clearance for the above project under the Environment Impact Assessment Notification, 2006 and subsequent submission of EIA report vide your letter no. GP/MoEF/08-09/04/01 dated 21<sup>st</sup> April, 2008.

2. The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for environmental clearance for Man made Fibre unit at Village: Nana Borsara, Taluka: Mangrol, Dist: Surat, Gujarat by M/s. Gujarat Polyfils. The proposed project is an integrated plant for manufacture 1200 MT/Month of Fully Drawn Yarn (FDY) and Partially Oriented Yarn (POY) by using 1200 MT/Month of Polyester Chips and 25 MT/Month Spin Finish Oil (for the strengthening of yarn). The total proposed project cost will be about Rs.40 Crores. The total area required for the project will be 88,312 m. sq.

3. Baby Boiler (800 kg steam / hr.) will be connected with adequate high chimney and provided with stack monitoring facilities. The steam will be utilised for operation of Multiple Stage Evaporator to treat effluent. The total water requirement of 70 KLD will be sourced from Bore well. Wastewater (7.2 KLD) generated through process and detergent / liquid soap cleaning will be treated in Primary Effluent collection cum Neutralization tank and evaporated in closed looped Multiple Stage Evaporators System



(MSE). Condensate water (6.0 KLD) will be reused in cooling water make-up and RO feed. Inorganic Salt generated from MSE will be disposed to TSDF and zero discharge will be maintained. Domestic waste water (12 KLD) generated will be disposed off through soak pit.

4. The project activity is listed at S.N. 5 (d) and is of 'B' Category under the Schedule of EIA Notification, 2006, however considered at the Central Level as the project is within 10 km of the critically polluted area. The proposal was considered in 81<sup>st</sup> meeting of the Expert Appraisal Committee (Industry) held during 12<sup>th</sup> - 14<sup>th</sup> May 2008, the Committee categorised the unit as B-2 requiring no public hearing.

5. Based on the information submitted by the Project Authorities, the Ministry of Environment and Forests hereby accords the environmental clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 subject to compliance of the following specific and general conditions:

**A SPECIFIC CONDITIONS:**

- i) The project authorities shall install waste water treatment system for treatment of wastewater as per the norms of SPCB and reuse/recycle/utilize within the plant premises to achieve zero discharge.
- ii) The project authorities shall install multi-cyclone with boilers to achieve particulate emissions within 100mg/Nm<sup>3</sup> and provide monitoring arrange with the stacks.
- iii) Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by Gujarat Pollution Control Board.
- iv) Inorganic Salt from Multiple Stage Evaporator shall be disposed off through Bharuch Enviro Infrastructure Ltd. TSDF, Ankleshwar. The Used & Spent Oil and Empty Drum & HDPE / LDPE Liners shall be sold to the Registered Rereprocessor / Rerefiner and Approved Vendor.
- v) The project authorities shall develop greenbelt in 33% of project area as per the guidelines of CPCB to mitigate the effect of fugitive emission.
- vi) Adequate financial provision shall be made in the budget of the project for implementation of the above suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.
- vii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.



- viii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.

**B GENERAL CONDITIONS**

- i. The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.
- 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 project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
- iv. Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the State Pollution Control Board.
- vii) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the SPCB shall be obtained for collections/treatment/ storage/disposal of hazardous wastes.
- viii. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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).
- ix. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.
- x. The project authorities shall provide rainwater harvesting system and ground water recharge.



# Annexure 11: GPCB Wastewater Analysis Report

:: Pollution Control Board ::

Page 1 of 1



Gujarat Polyfills

Gujarat Pollution Control Board

GPB

Sample	Bill No	Bill Dt	Pay ID	Tot Amt	R.O Lab	Insp ID	Insp Dt	Coll Dt	Catg Type	#Para
34520	10064	08/04/2010	19604	1600	SUR	132933	09/03/2010	09/03/10	REP	W-11
44116	2463	01/10/2009	15413	1700	SUR	117033	07/09/2009	07/09/09	REP	W-12
30704	1724	15/01/2009	11877	1600	SUR	96172	02/01/2009	02/01/09	REP	W-11
29080	1652	02/01/2009	11794	1600	SUR	93802	25/11/2008	25/11/08	REP	W-11

i) To see UNDECLARED samples Click on [PENDING RESULT].  
ii) If VIEW is disabled->Clear the LAB Bill First.

Para Cd	Para Nm	Unit	Absorb Media	Result
1	Temperature (std)	Centigrade		29
2	pH (std)	pH Units		7.28
3	Colour (std)	Pt Co. Sec.		10
4	Total Dissolved Solids (std)	mg/l		1058
11	Suspended Solids (std)	mg/l		58
24	Potential Sodium	mg/l		53
25	Chloride (std)	mg/l		403
26	Sulphate (std)	mg/l		56
35	Chemical Oxygen Demand (std)	mg/l		24
36	Oil & Grease (std)	mg/l		2.0
37	Biochemical Oxygen Demand (5 Days @ 20°C)	mg/l		15

XGN-Extended Green Node

117.255.11.84 (IND)

02-S

[http://gpcb.guj.nic.in/LAB/Ind\\_Samp\\_Result.aspx](http://gpcb.guj.nic.in/LAB/Ind_Samp_Result.aspx)

02-Sep-10



*Annexure 12: Third Party Analysis Report of  
Wastewater Generated From Processes*





Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/121A
2.	Client: Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample:	Cooling Water
6.	Source from Which Sample is collected -	Cooling Tower
7.	Place of sampling	Locations: Cooling Tower 1 (Blow Down) and Cooling Tower 2 (Blow Down)
8.	Sample collected by	Mr. Subham
9.	Date of sampling	03/04/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

### Results:

No.	Parameters	Units	Sample Result	
			Cooling Tower 1 (Blow Down)	Cooling Tower 2 (Blow Down)
1.	pH	pH unit	8.42	8.90
2.	Turbidity	NTU	00	00
3.	Electrical Conductivity	(µmho/cm)	1512.0	5093.0
4.	TDS	mg/l	650.0	2190.0
5.	TSS	mg/l	ND	ND
6.	Total Hardness	mg/l	290.0	400.0
7.	Calcium as Ca	mg/l	72.14	128.0
8.	Magnesium as Mg	mg/l	26.73	19.44
9.	Chlorides	mg/l	193.0	725.0
10.	Alkalinity	mg/l	238.0	608.0
11.	Sulphates	mg/l	319.0	612.0
12.	Fluoride	mg/l	0.31	0.33
13.	DO	mg/l	7.0	6.9
14.	Iron	mg/l	0.78	0.20

ND: Not Detected

Place: Surat

Date: 08/04/12

For Detox Corporation Pvt. Ltd

(Autho. Signatory)

### Note:

(1) The results pertain to tested items only.

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### Branch Office :

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Ring Road, Surat - 395 002.  
Phone : 91 - 261 - 2351248, 2346181, Fax : 2354061  
E-Mail : info@detoxcorp.com, www.detoxcorp.com





Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/175A
2.	Client :Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample:	Cooling Water
6.	Source from Which Sample is collected -	Cooling Tower
7.	Place of sampling	Locations : Cooling Tower 1 (BlowDown) and Cooling Tower 2(BlowDown)
8.	Sample collected by	Mr. Subham
9.	Date of sampling	13/05/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

ND: Not Detected

No.	Parameters	Units	Sample Result	
			Cooling Tower 1(BlowDown)	Cooling Tower 2(BlowDown)
1.	pH	pH unit	8.48	8.89
2.	Turbidity	NTU	00	00
3.	Electrical Conductivity	(µmho/cm)	1498.0	4996.0
4.	TDS	mg/l	644.0	2148.0
5.	TSS	mg/l	ND	ND
6.	Total Hardness	mg/l	296.0	398.0
7.	Calcium as Ca	mg/l	71.34	124.0
8.	Magnesium as Mg	mg/l	28.67	21.38
9.	Chlorides	mg/l	180.0	683.0
10.	Alkalinity	mg/l	232.0	592.0
11.	Sulphates	mg/l	290.0	596.0
12.	Flouride	mg/l	0.29	0.31
13.	DO	mg/l	6.8	6.8
14.	Iron	mg/l	0.66	0.18

Place: Surat

Date: 20/05/12

For Detox Corporation Pvt. Ltd

(Autho. Signatory)

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Phone : 91 - 261 - 2351248, 2346181, Fax : 2354068  
E-Mail : info@detoxcorp.com, www.detoxcorp.com





Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/231A
2.	Client :Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat- Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample:	Cooling Water
6.	Source from Which Sample is collected -	Cooling Tower
7.	Place of sampling	Locations : Cooling Tower 1 (BlowDown) and Cooling Tower 2(BlowDown)
8.	Sample collected by	Mr. Subham
9.	Date of sampling	10/06/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

ND: Not Detected

No.	Parameters	Units	Sample Result	
			Cooling Tower 1(Blow Down)	Cooling Tower 2(Blow Down)
1.	pH	pH unit	8.49	8.78
2.	Turbidity	NTU	00	00
3.	Conductivity	(µmho/cm)	1500.0	5010.0
4.	TDS	mg/l	645.0	2154.0
5.	TSS	mg/l	ND	ND
6.	Total Hardness	mg/l	272.0	380.0
7.	Calcium as Ca	mg/l	70.54	112.2
8.	Magnesium as Mg	mg/l	23.33	24.3
9.	Chlorides	mg/l	184.0	686.0
10.	Alkalinity	mg/l	210.0	590.0
11.	Sulphates	mg/l	322.0	596.0
12.	Flouride	mg/l	0.28	0.31
13.	DO	mg/l	6.9	6.3
14.	Iron	mg/l	0.70	0.22

Place: Surat

Date: 15/06/12

For Detox Corporation Pvt. Ltd

(Autho. Signatory)

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Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/277A
2.	Client :Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample:	Cooling Water
6.	Source from Which Sample is collected -	Cooling Tower
7.	Place of sampling	Locations : Cooling Tower 1(BlowDown) and Cooling Tower 2(BlowDown)
8.	Sample collected by	Mr. Subham
9.	Date of sampling	17/07/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

ND: Not Detected

No.	Parameters	Units	Sample Result	
			Cooling Tower 1(Blow Down)	Cooling Tower 2(Blow Down)
1.	pH	pH unit	8.48	8.94
2.	Turbidity	NTU	00	00
3.	Conductivity	(µmho/cm)	1550.0	5100.0
4.	TDS	mg/l	667.0	2193.0
5.	TSS	mg/l	ND	ND
6.	Total Hardness	mg/l	294.0	410.0
7.	Calcium as Ca	mg/l	80.16	136.0
8.	Magnesium as Mg	mg/l	22.84	17.01
9.	Chlorides	mg/l	203.0	773.0
10.	Alkalinity	mg/l	240.0	610.0
11.	Sulphates	mg/l	330.0	620.0
12.	Flouride	mg/l	0.36	0.39
13.	DO	mg/l	6.4	6.2
14.	Iron	mg/l	0.66	0.24

Place: Surat

Date: 25/07/12

For Detox Corporation Pvt. Ltd

(Autho. Signatory)

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Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/317A
2.	Client :Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample:	Cooling Water
6.	Source from Which Sample is collected -	Cooling Tower
7.	Place of sampling	Locations : Cooling Tower 1(BlowDown) and Cooling Tower 2(BlowDown)
8.	Sample collected by	Mr. Subham
9.	Date of sampling	04/08/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

ND: Not Detected

No.	Parameters	Units	Sample Result	
			Cooling Tower 1(BlowDown)	Cooling Tower 2(BlowDown)
1.	pH	pH unit	8.40	8.88
2.	Turbidity	NTU	00	00
3.	Conductivity	(µmho/cm)	1510.0	5050.0
4.	TDS	mg/l	649.0	2172.0
5.	TSS	mg/l	ND	ND
6.	Total Hardness	mg/l	296.0	360.0
7.	Calcium as Ca	mg/l	76.15	120.2
8.	Magnesium as Mg	mg/l	25.76	14.58
9.	Chlorides	mg/l	184.0	677.0
10.	Alkalinity	mg/l	228.0	590.0
11.	Sulphates	mg/l	290.0	610.0
12.	Flouride	mg/l	0.30	0.34
13.	DO	mg/l	6.3	6.5
14.	Iron	mg/l	0.64	0.18

Place: Surat

For Detox Corporation Pvt. Ltd

Date: 10/08/12

(Autho. Signatory)

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Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/333A
2.	Client :Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample:	Cooling Water
6.	Source from Which Sample is collected -	Cooling Tower
7.	Place of sampling	Locations : Cooling Tower 1 (BlowDown) and Cooling Tower 2 (BlowDown)
8.	Sample collected by	Mr. Subham
9.	Date of sampling	08/09/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

ND: Not Detected

No.	Parameters	Units	Sample Result	
			Cooling Tower 1 (BlowDown)	Cooling Tower 2 (BlowDown)
1.	pH	pH unit	8.48	8.92
2.	Turbidity	NTU	00	00
3.	Conductivity	(µmho/cm)	1490.0	4990.0
4.	TDS	mg/l	641.0	2146.0
5.	TSS	mg/l	ND	ND
6.	Total Hardness	mg/l	270.0	420.0
7.	Calcium as Ca	mg/l	72.14	136.0
8.	Magnesium as Mg	mg/l	21.87	19.44
9.	Chlorides	mg/l	174.0	628.0
10.	Alkalinity	mg/l	230.0	600.0
11.	Sulphates	mg/l	310.0	610.0
12.	Flouride	mg/l	0.28	0.32
13.	DO	mg/l	6.8	6.6
14.	Iron	mg/l	0.68	0.16

Place: Surat

For Detox Corporation Pvt. Ltd

Date: 15/09/12

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Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/120A
2.	Client :Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample:	Waste Water
6.	Source from Which Sample is collected -	Effluent Treatment Plant
7.	Place of sampling	Locations : ETP Inlet and ETP Outlet
8.	Sample collected by	Mr. Subham
9.	Date of sampling	03/04/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

#### Results:

No.	Parameters	Permissible Limits (GPCB) for ETP Outlet	Units	Sample Result	
				ETP – Inlet	ETP- Outlet
1.	pH	6.5 to 8.5	pH unit	7.90	7.57
2.	TSS	100	mg/l	1796.0	38.0
3.	TDS	2100	mg/l	1670.0	1850.0
4.	Chemical Oxygen Demand	100	mg/l	1048.0	70.0
5.	Biological Oxygen Demand	30	mg/l	66.0	11.0
6.	Oil & Grease	10	mg/l	<4	<4

ND; Not Detected  
Place: Surat

Date: 08/04/12

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Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/177A
2.	Client :Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample;	Waste Water
6.	Source from Which Sample is collected -	Effluent Treatment Plant
7.	Place of sampling	Locations : ETP I/L- ETP Inlet and ETP O/L- ETP Outlet
8.	Sample collected by	Mr. Subham
9.	Date of sampling	13/05/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

ND: Not Detected

No.	Parameters	Permissible Limits (GRCB)for ETP Out Let	Units	Sample Result	
				ETP I/L	ETP O/L
1.	pH	6.5 to 8.5	pH unit	7.82	7.49
2.	TSS	100	mg/l	1790.0	20.0
3.	TDS	2100	mg/l	1674.0	1862.0
4.	Chemical Oxygen Demand	100	mg/l	1050.0	68.0
5.	Biological Oxygen Demand	30	mg/l	68.0	10.0
6.	Oil & Grease	10	mg/l	<4	<4

Place: Surat

Date: 20/05/12

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Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/230A
2.	Client :Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample:	Waste Water
6.	Source from Which Sample is collected -	Effluent Treatment Plant
7.	Place of sampling	Locations : ETP I/L- ETP Inlet and ETP O/L- ETP Outlet
8.	Sample collected by	Mr. Subham
9.	Date of sampling	10/06/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

ND: Not Detected

No.	Parameters	Permissible Limits (GPCB)for ETP Out Let	Units	Sample Result	
				ETP I/L	ETP O/L
1.	pH	6.5 to 8.5	pH unit	7.92	7.60
2.	TSS	100	mg/l	1782.0	22.0
3.	TDS	2100	mg/l	1660.0	210.0
4.	Chemical Oxygen Demand	100	mg/l	998.0	72.0
5.	Biological Oxygen Demand	30	mg/l	58.0	10.0
6.	Oil & Grease	10	mg/l	<4	<4

Place: Surat

Date:15/06/12

For Detox Corporation Pvt. Ltd

(Autho. Signatory)

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E-Mail : info@detoxcorp.com, www.detoxcorp.com





Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/280A
2.	Client :Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample:	Waste Water
6.	Source from Which Sample is collected -	Effluent Treatment Plant
7.	Place of sampling	Locations : ETP I/L- ETP Inlet and ETP O/L- ETP Outlet
8.	Sample collected by	Mr. Subham
9.	Date of sampling	17/07/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

ND: Not Detected

No.	Parameters	Permissible Limits (GPCB)for ETP Out Let	Units	Sample Result	
				ETP I/L	ETP O/L
1.	pH	6.5 to 8.5	pH unit	7.88	7.48
2.	TSS	100	mg/l	1770.0	26.0
3.	TDS	2100	mg/l	1682.0	1848.0
4.	Chemical Oxygen Demand	100	mg/l	1000.0	80.0
5.	Biological Oxygen Demand	30	mg/l	60.0	12.0
6.	Oil & Grease	10	mg/l	<4	<4

Place: Surat

Date: 25/07/12

For Detox Corporation Pvt. Ltd  
(Autho. Signatory)

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Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/316A
2.	Client :Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample:	Waste Water
6.	Source from Which Sample is collected -	Effluent Treatment Plant
7.	Place of sampling	Locations : ETP I/L- ETP Inlet and ETP O/L- ETP Outlet
8.	Sample collected by	Mr. Subham
9.	Date of sampling	04/08/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

ND: Not Detected

No.	Parameters	Permissible Limits (GPCB)for ETP Out Let	Units	Sample Result	
				ETP I/L	ETP O/L
1.	pH	6.5 to 8.5	pH unit	7.94	7.62
2.	TSS	100	mg/l	1800.0	21.0
3.	TDS	2100	mg/l	1680.0	1860.0
4.	Chemical Oxygen Demand	100	mg/l	1040.0	68.0
5.	Biological Oxygen Demand	30	mg/l	56.0	10.0
6.	Oil & Grease	10	mg/l	<4	<4

Place: Surat

Date: 10/08/12

For Detox Corporation Pvt. Ltd

(Autho. Signatory)

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Water Sample Analysis Report		
1.	Reference No.	DCPL/ GPF/ ARWM/12/328A
2.	Client :Name & Address	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat Gujarat.
3.	Client's Reference	Client's order – GPF/WO/29/12-13
4.	Packing & Markings	Collected in plastic bottles as per IS – 3025 (P – 1).
5.	Type of Sample:	Waste Water
6.	Source from Which Sample is collected -	Effluent Treatment Plant
7.	Place of sampling	Locations : ETP I/L- ETP Inlet and ETP O/L- ETP Outlet
8.	Sample collected by	Mr. Subham
9.	Date of sampling	08/09/12
10.	Test method	IS – 3025 / Standard Methods APHA & AWWA

ND: Not Detected

No.	Parameters	Permissible Limits (GPCB)for ETP Out Let	Units	Sample Result	
				ETP I/L	ETP O/L
1.	pH	6.5 to 8.5	pH unit	7.84	7.50
2.	TSS	100	mg/l	1780.0	20.0
3.	TDS	2100	mg/l	1650.0	1790.0
4.	Chemical Oxygen Demand	100	mg/l	996.0	68.0
5.	Biological Oxygen Demand	30	mg/l	62.0	12.0
6.	Oil & Grease	10	mg/l	<4	<4

Place: Surat

Date: 15/09/12

**Note:**

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dt/OP/WSA/07

For Detox Corporation Pvt. Ltd

(Autho. Signatory)

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02/04-04-2009

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*Annexure 13: Third Party Analysis Report for  
Ambient Air Monitoring*





## AMBIENT AIR SAMPLE ANALYSIS REPORT

AMBIENT AIR SAMPLE ANALYSIS REPORT								
Reference No.			DCPL/GPF /ARAM/12/201A					
Client Name & Address.			Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber,Opp. Sub Jail, Ring Road, Surat, Gujarat					
Type of Sample:			Ambient Air Monitoring for PM <sub>10</sub> , PM <sub>2.5</sub> , , SO <sub>2</sub> , NO <sub>x</sub> .					
Packing, Seal And Signature:			Filter Paper packed in plastic envelopes and Gaseous Solution in Bottles.					
Sampling Procedure:			IS: 5182 (P-14) 2000, CPCB Guidelines and as per client's monitoring requirements- 24-Hour for Dust and 24-Hour for Gases.					
Client's Reference:			Client's order – GPF/WO/29/12-13					
Sample Location & position(GL or height from Ground level)			L1- Main Gate L2- Nr Parking Area L3 - Nr.Phase-2 Area L4- Nr.Cooling Tower Height from Ground level- 3 Meters					
Date of Sampling:			03/04/12		Period of Sampling		24 HRS.	
Representatives Present:			Lab: Mr. Subham				Client: Mr. A K Vijay	
Monitoring Equipment Details			Respirable Dust Sampler- APM 460 BL - 411 & Fine Particulate Attachment Calibration Date : 23/02/2012, Due Date : 22/02/2013					
Remarks:			---					
Sr. No.	TEST	UNIT	Results- Locations				TEST METHOD	G.P.C.B. limits
			L1-Main Gate	L2- Nr Parking Area	L3- Nr.Phase-2 Area	L4- Nr.Cooling Tower		
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	98	96	88	77	IS:5182 (P-23) 2006	100.0
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	44	60	38	Fine Particulate Sampler	60.0
3.	SO <sub>2</sub>	µg/m <sup>3</sup>	5.2	2.18	3.45	6.90	IS: 5182 (P-2) 2001	80.0
4.	NO <sub>x</sub>	µg/m <sup>3</sup>	11.61	7.47	6.38	19.58	IS: 5182 (P-6) 2006	80.0

Place: Surat

Date: 08/04/12

**Note:**

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E-Mail : info@detoxcorp.com, www.detoxcorp.com





## AMBIENT AIR SAMPLE ANALYSIS REPORT

Reference No.	DCPL/GPF /ARAM/12/304A							
Client Name & Address.	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat, Gujarat							
Type of Sample:	Ambient Air Monitoring for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> .							
Packing, Seal And Signature:	Filter Paper packed in plastic envelopes and Gaseous Solution in Bottles.							
Sampling Procedure:	IS: 5182 (P-14) 2000, CPCB Guidelines and as per client's monitoring requirements- 24-Hour for Dust and 24-Hour for Gases.							
Client's Reference:	Client's order – GPF/WO/29/12-13							
Sample Location & position (GL or height from Ground level)	L1- Main Gate L2- Nr Parking Area L3 - Nr.Phase-2 Area L4- Nr.Cooling Tower Height from Ground level- 3 Meters							
Date of Sampling:	13/05/12	Period of Sampling	24 HRS.					
Representatives Present:	Lab: Mr. Subham Client: Mr. A K Vijay							
Monitoring Equipment Details	Respirable Dust Sampler- APM 460 BL - 411 & Fine Particulate Attachment Calibration Date : 23/02/2012, Due Date : 22/02/2013							
Remarks:	---							
Sr. No.	TEST	UNIT	Results- Locations				TEST METHOD	G.P.C.B. limits
			L1-Main Gate	L2- Nr Parking Area	L3- Nr.Phase-2 Area	L4- Nr.Cooling Tower		
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	91	85	89	73	IS:5182 (P-23) 2006	100.0
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	58	41	57	37	Fine Particulate Sampler	60.0
3.	SO <sub>2</sub>	µg/m <sup>3</sup>	4.93	2.96	4.04	5.90	IS: 5182 (P-2) 2001	80.0
4.	NO <sub>x</sub>	µg/m <sup>3</sup>	12.21	8.48	7.47	17.97	IS: 5182 (P-6) 2006	80.0

Place: Surat

Date: 20/05/12

For Detox Corporation Pvt. Ltd.

(Autho. Signatory)

**Note:**

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E-Mail : info@detoxcorp.com, www.detoxcorp.com





## AMBIENT AIR SAMPLE ANALYSIS REPORT

Reference No.	DCPL/GPF /ARAM/12/377A								
Client Name & Address.	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat, Gujarat								
Type of Sample:	Ambient Air Monitoring for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> .								
Packing, Seal And Signature:	Filter Paper packed in plastic envelopes and Gaseous Solution in Bottles.								
Sampling Procedure:	IS: 5182 (P-14) 2000, CPCB Guidelines and as per client's monitoring requirements- 24-Hour for Dust and 24-Hour for Gases.								
Client's Reference:	Client's order – GPF/WO/29/12-13								
Sample Location & position (GL or height from Ground level)	L1- Main Gate L2- Nr Parking Area L3 - Nr.Phase-2 Area L4- Nr.Cooling Tower Height from Ground level- 3 Meters								
Date of Sampling:	10/06/12		Period of Sampling		24 HRS.				
Representatives Present:	Lab: Mr. Subham				Client: Mr. A K Vijay				
Monitoring Equipment Details	Respirable Dust Sampler- APM 460 BL - 411 & Fine Particulate Attachment Calibration Date : 23/02/2012, Due Date : 22/02/2013								
Remarks:	---								
Sr. No.	TEST	UNIT	Results- Locations				TEST METHOD	G.P.C.B. limits	
			L1- Main Gate	L2- Nr Parking Area	L3- Nr.Phase-2 Area	L4- Nr.Cooling Tower			
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	95	84	79	69	IS:5182 (P-23) 2006	100.0	
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	51	44	30	Fine Particulate Sampler	60.0	
3.	SO <sub>2</sub>	µg/m <sup>3</sup>	5.13	3.35	4.04	7.10	IS: 5182 (P-2) 2001	80.0	
4.	NO <sub>x</sub>	µg/m <sup>3</sup>	11.10	9.29	7.07	18.97	IS: 5182 (P-6) 2006	80.0	

Place: Surat

Date: 15/06/12

**Note:**

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E-Mail : info@detoxcorp.com, www.detoxcorp.com





## AMBIENT AIR SAMPLE ANALYSIS REPORT

Reference No.	DCPL/GPF /ARAM/12/451A							
Client Name & Address.	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat, Gujarat							
Type of Sample:	Ambient Air Monitoring for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> .							
Packing, Seal And Signature:	Filter Paper packed in plastic envelopes and Gaseous Solution in Bottles.							
Sampling Procedure:	IS: 5182 (P-14) 2000, CPCB Guidelines and as per client's monitoring requirements- 24-Hour for Dust and 24-Hour for Gases.							
Client's Reference:	Client's order – GPF/WO/29/12-13							
Sample Location & position (GL or height from Ground level)	L1- Main Gate L2- Nr Parking Area L3 - Nr.Phase-2 Area L4- Nr.Cooling Tower Height from Ground level- 3 Meters							
Date of Sampling:	17/07/12		Period of Sampling		24 HRS.			
Representatives Present:	Lab: Mr. Subham		Client: Mr. A K Vijay					
Monitoring Equipment Details	Respirable Dust Sampler- APM 460 BL - 411 & Fine Particulate Attachment Calibration Date : 23/02/2012, Due Date : 22/02/2013							
Remarks:	---							
Sr. No.	TEST	UNIT	Results- Locations				TEST METHOD	G.P.C.B. limits
			L1-Main Gate	L2- Nr Parking Area	L3- Nr.Phase-2 Area	L4- Nr.Cooling Tower		
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	91	87	77	67	IS:5182 (P-23) 2006	100.0
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	59	49	40	27	Fine Particulate Sampler	60.0
3.	SO <sub>2</sub>	µg/m <sup>3</sup>	4.54	3.45	3.95	7.99	IS: 5182 (P-2) 2001	80.0
4.	NO <sub>x</sub>	µg/m <sup>3</sup>	13.02	10.09	8.78	19.08	IS: 5182 (P-6) 2006	80.0

Place: Surat

Date: 25/07/12

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## AMBIENT AIR SAMPLE ANALYSIS REPORT

Reference No.	DCPL/GPF /ARAM/12/520A							
Client Name & Address.	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat, Gujarat							
Type of Sample:	Ambient Air Monitoring for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> .							
Packing, Seal And Signature:	Filter Paper packed in plastic envelopes and Gaseous Solution in Bottles.							
Sampling Procedure:	IS: 5182 (P-14) 2000, CPCB Guidelines and as per client's monitoring requirements- 24-Hour for Dust and 24-Hour for Gases.							
Client's Reference:	Client's order – GPF/WO/29/12-13							
Sample Location & position (GL or height from Ground level)	L1- Main Gate L2- Nr Parking Area L3 - Nr.Phase-2 Area L4- Nr.Cooling Tower Height from Ground level- 3 Meters							
Date of Sampling:	04/08/12		Period of Sampling		24 HRS.			
Representatives Present:	Lab: Mr. Subham Client: Mr. A K Vijay							
Monitoring Equipment Details	Respirable Dust Sampler- APM 460 BL - 411 & Fine Particulate Attachment Calibration Date : 23/02/2012, Due Date : 22/02/2013							
Remarks:	---							
Sr. No.	TEST	UNIT	Results- Locations				TEST METHOD	G.P.C.B. limits
			L1-Main Gate	L2- Nr Parking Area	L3- Nr.Phase-2 Area	L4- Nr.Cooling Tower		
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	93	85	90	74	IS:5182 (P-23) 2006	100.0
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	48	56	33	Fine Particulate Sampler	60.0
3.	SO <sub>2</sub>	µg/m <sup>3</sup>	6.06	3.94	5.75	8.38	IS: 5182 (P-2) 2001	80.0
4.	NO <sub>x</sub>	µg/m <sup>3</sup>	12.01	9.08	8.07	17.97	IS: 5182 (P-6) 2006	80.0

Place: Surat

For Detox Corporation Pvt. Ltd

Date: 10/08/12

(Autho. Signatory)

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## AMBIENT AIR SAMPLE ANALYSIS REPORT

Reference No.	DCPL/GPF /ARAM/12/600A							
Client Name & Address.	Gujarat Polyfills Mr. A K Vijay 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat, Gujarat							
Type of Sample:	Ambient Air Monitoring for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> .							
Packing, Seal And Signature:	Filter Paper packed in plastic envelopes and Gaseous Solution in Bottles.							
Sampling Procedure:	IS: 5182 (P-14) 2000, CPCB Guidelines and as per client's monitoring requirements- 24-Hour for Dust and 24-Hour for Gases.							
Client's Reference:	Client's order – GPF/WO/29/12-13							
Sample Location & position (GL or height from Ground level)	L1- Main Gate L2- Nr Parking Area L3 - Nr.Phase-2 Area L4- Nr.Cooling Tower Height from Ground level- 3 Meters							
Date of Sampling:	08/09/12	Period of Sampling	24 HRS.					
Representatives Present:	Lab: Mr. Subham			Client: Mr. A K Vijay				
Monitoring Equipment Details	Respirable Dust Sampler- APM 460 BL - 411 & Fine Particulate Attachment Calibration Date : 23/02/2012, Due Date : 22/02/2013							
Remarks:	---							
Sr. No.	TEST	UNIT	Results- Locations				TEST METHOD	G.P.C.B. limits
			L1-Main Gate	L2- Nr Parking Area	L3- Nr.Phase-2 Area	L4- Nr.Cooling Tower		
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	88	90	80	75	IS:5182 (P-23) 2006	100.0
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	57	50	41	31	Fine Particulate Sampler	60.0
3.	SO <sub>2</sub>	µg/m <sup>3</sup>	4.24	3.06	6.41	8.78	IS: 5182 (P-2) 2001	80.0
4.	NO <sub>x</sub>	µg/m <sup>3</sup>	11.91	7.77	9.29	16.96	IS: 5182 (P-6) 2006	80.0

Place: Surat

Date: 15/09/12

**Note:**

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## *Annexure 14: Inorganic Salt Generation Data*

Sr. No.	Month-wise	Generation Details
1	April-2012	6.1kg
2	May-2012	6.3kg
3	June-2012	6.2kg
4	July-2012	6.4kg
5	August-2012	6.6kg
6	September-2012	5.9kg



*Annexure 15: Sample Reports of Medical  
Check-Up*





(02629) 234734



**અમન ક્લિનિક**

ડો. મ. સોએબ એ. શેખ  
(ડી.એચ.એમ.એસ.)

મહાવીર કોમ્પ્લેક્સ બાજુમાં, માંજરા ઓટો પાર્કની પાછળ, કીમ રોડ, કીમ ચાર રસ્તા, જી. સુરત - ૩૬૪૧૧૦

૦૪/૧૬/૧૩.

Certificate

This is to certify that  
Mr. Ravinder Sahb. is engaged on  
Duty. So he desires to take  
rest for 5 days upto 04/16/13.  
During this period he will not be  
able to attend his duty.

*(Signature)*

ફોન નં. ૩૫૮૩૫  
ડો. મ. સોએબ એ. શેખ  
D.M.M.S  
+ અમન ક્લિનિક  
મહાવીર કોમ્પ્લેક્સ,  
કીમ રોડ, કીમ ચાર રસ્તા.



Reg. Treat No. Surat E-248



# SADHNA KUTIR HOSPITAL

At. KIM Ta. OLPAO. Dist-SURAT. PH. (02621) 238392/236145

DATE : 21/02/13

Sickness/Fitness Certificate

1838

This is to Certify that

Mr./Mrs. Dhirendra bhai Rana  
age 24 / m is/was Suffering as chronic (L) Lower Lip Inward  
e Dental Region  
and is/was under my OPD/IDDOOR treatment 7/02/13

He/She is/was admitted at this hospital on \_\_\_\_\_

operated/delivered on \_\_\_\_\_ for \_\_\_\_\_

and discharged on \_\_\_\_\_

He/She is/was advised to take rake rest from Date 7/02/13

to Date 12/02/13

He/She is now fit to resume from Date \_\_\_\_\_ to

attended his-her dutie-School.

Sign.  
Medical officer

Reg No. C-B-111937



Reg. Treat. No. Surat E-248



**SADHANA KUTIR HOSPITAL**

At. KIM Ta. OLPAD. Dist-SURAT. PH. (02621) 238392/236145

DATE : 4/2/2013

Sickness/Fitness Certificate

1822

This is to Certify that

Mr./Mrs. Kaideep bulvan Shrivastava  
age 21/05 is/was Suffering from Left trigeminal  
and is/was under my OPD/IDoor treatment

He/She is/was admitted at this hospital on

operated/delivered on

and discharged on

He/She is/was advised to take rake rest from Date 21/2/2013

to Date 4/2/2013

He/She is now fit to resume from Date 5/2/2013 to  
attended his-her duties-School.

Medical Officer  
Sadhana Medical Hospital Kim

Reg No. 05-15482



# Medical Certificate

Date: 24/11/12

Mr / Mrs / Miss Dilip Dasbani  
is / was under my treatment for Cholelithiasis

since 24/11/12 to 28/11/12. He / She is / was

advised complete rest for this period.

He / She is medically fit to resume duty from 29/11/12

SHIV CLINIC

DR. SANJAY PATEL

DR. TEJAL PATEL

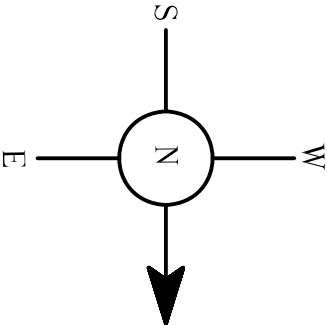
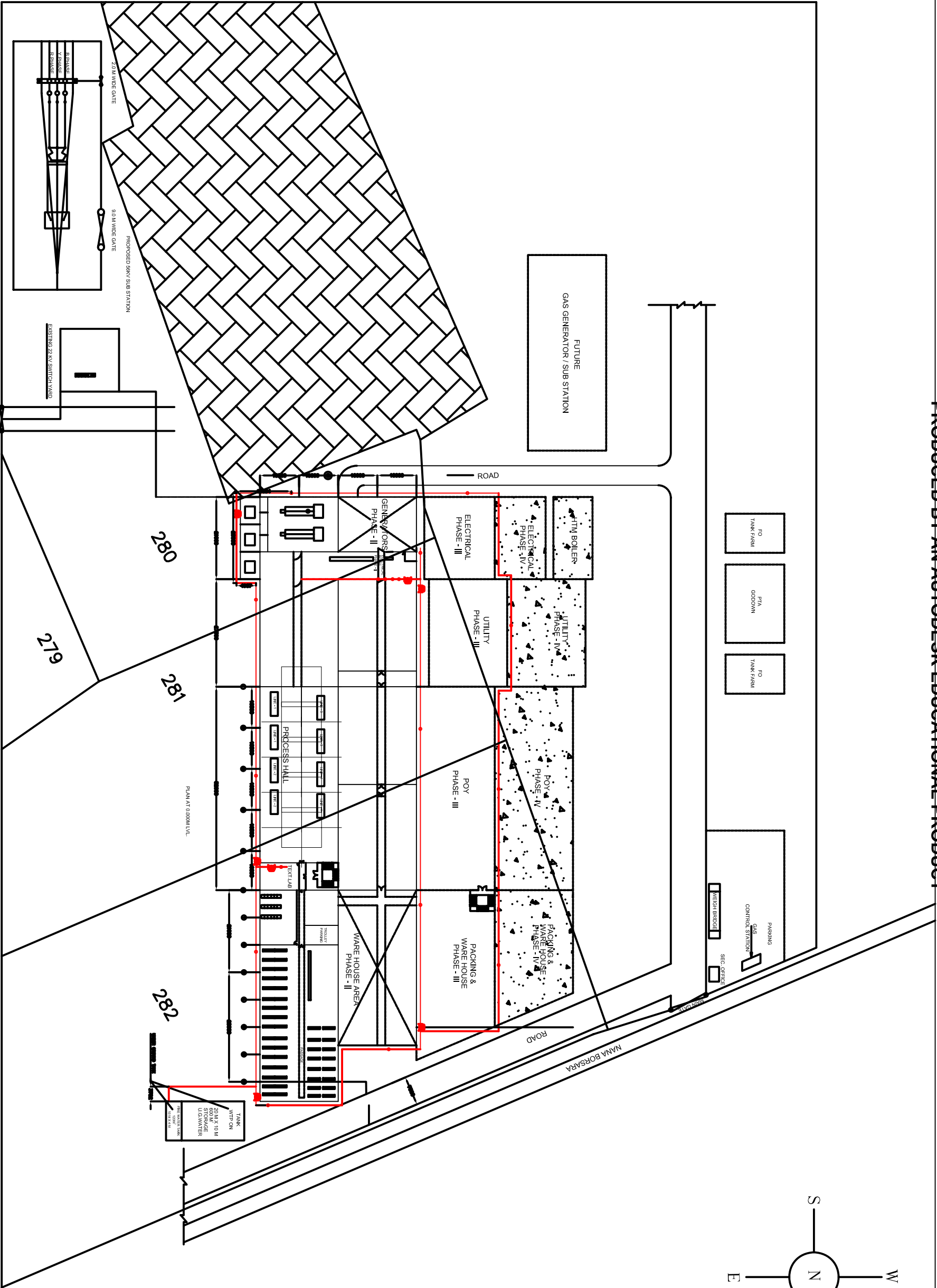
R. 33100 Karamba

Doctor's signature



*Annexure 16: Details of Fire-Fighting  
Equipments on the Site*





	SINGLE HEADED HYDRANT (S.H.)
	SLIME VALVE
	ABOVE GROUND HYDRANT LINE
	UNDER GROUND HYDRANT LINE

**M/S. DHARA FIRE SERVICE PVT.LTD.**  
REGD. OFFICE: 101, KANAKA CHANDRA LAL ROAD,  
KALKAJI, NEW DELHI-110019  
REGD. OFFICE: 101, KANAKA CHANDRA LAL ROAD,  
KALKAJI, NEW DELHI-110019

124, 08003 4415100, [info@dharafire.com](mailto:info@dharafire.com), [www.dharafire.com](http://www.dharafire.com)

CLIENT :- GUJARAT POLYTECH.

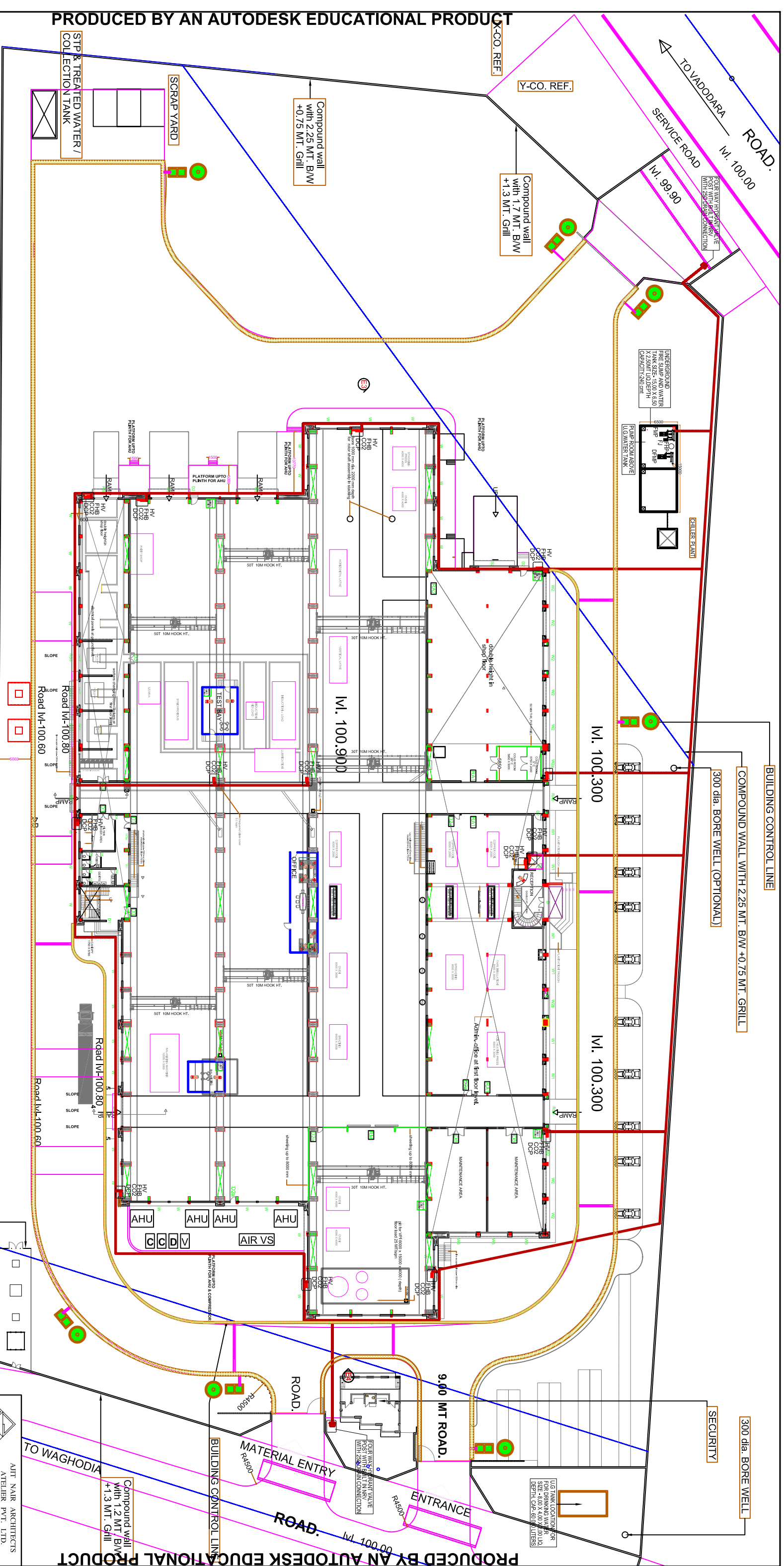
PROJECT :- FIRE HYDRANT SYSTEM

SCALE: 1:1000

DATE	NAME	DATE	NAME
01/01/2024	MANISH K. DIXIT	01/01/2024	MANISH K. DIXIT
01/01/2024	MANISH K. DIXIT	01/01/2024	MANISH K. DIXIT

DRAWING STATUS: ☒ CONCEPT ☐ TENDER ☐ WORKING ☐ AS BUILT





**FIRE PROTECTION LEGEND:-**

1500' OR 1000' M.S. HEAVY FIRE HYDRANT MAIN PROPERLY CLAMPED ON WALL
300MM ABOVE THE FFL OR BURIED UNDER GROUND AS PER GIVING

	DETAILED WITH INNOVATION ETC.
FV	650 HEAVY ISI GUNMETAL FLANGE ENDED HYDRANT VALVE, HEIGHT OF THE VALVE SHOULD

	BE 1200 OP FROM FHL
FHB	M S HEAVY FIRE HOSE BOX WITH 650 BRASS HEAVY LONG BRANCH PIPE

6500 HEAVY 30 MT LONG FIRE HOSE PIPE  
WITH 6500 HEAVY BRASS MALE FEMALE COUPLING  
FIRE HOSE HOUSING ABOVE THE FIRE HOSE

	VALVE SHOULD HAVE EASY ACCESS
C02	FIRE EXTINGUISHER ISI C02 - 4.5 KG

DO	110 LITERS / MIN
FMP	CENTRIFUGAL FIRE MAIN PUMP HAVING FLOW RATE OF 2280 LITERS / MIN, AT 50 MT HEAD

FJP	CENTRIFUGAL FIRE JOCKEY PUMP HAVING FLOW
	250 LITERS / MIN. AT 50 MT HEAD
EHP	EIRE HYDROPIUMETIC TANK HAVING 200 LITERS

	CAPACITY WITH PRESSURE SWITCH
DFMP	DIESEL ENGINE MAIN PUMP HAVING 137M3/HR CAP


[illegible]

FIRE RED PAINT CONF. TO  
IS-5 SHADE 536 (TYP.)

HYDRANT VALVE

HYDRANT HEADER

Diagram of a beam with a triangular load. The beam is horizontal. A triangular load is applied, with its peak at the left end and zero at the right end. The total length of the beam is 1.0 m. A support is located at the right end of the beam. The text "ANTI CORROSSIVE TAPE" is written above the beam.



TYPICAL ARRANGEMENT OF UNDER GROUND  
HYDRANT PIPE

15.0 M Lg. HOSES  
3mm THK. GLASS

18 SMG, M.S. SHEET PILING

10'

TYPICAL DETAIL OF WALL MOUNTED

FRONT VIEW  
PLAN

	(CAPACITY)
<u>FIRE</u>	
<u>EXTINGUISHER</u>	

FRONT SIDE  
VIEW VIEW

PLAN  
FOUR WAY  
STAND POST


COLLOIDAL WALL

FIRE RATED PAINT CONE TO (S5 SHADE 536 (TF))

650 HYDRANT VALVE

TYPICAL ARRANGEMENT OF  
SINGLE HEADED HYDRANT VALVE  
FIRE LINE ON WALL.

**AMT NAIR ARCHITECTS**  
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**Architects Atelier**

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Ph: +91 265 2468350 Fax: +91 265 2467523 Email: [architects@amt-nair.com](mailto:architects@amt-nair.com)

CLIENT	JEUMONT ELECTRIC INDIA PVT
PROJECT	INFR. DEVELOPMENT AT JAROD
Associate Consultants	
SANITARY & FIRE FIGHTING	

TITLE :- CONCEAPTUAL FIRE PIPING LAYO	
FOR TENDER PURPOSE	
DRAWING NO. :- VSJY/06	DATE :- 12 12 11
SCALE :- N.T.S.	DEALT :- ARG

REVISION NO. :- 02	CHECKED :- JGS
PLUMBING CONSULTANT	
 <b>Vraj Sanitation</b> PLUMBING, SANITATION AND PROTECTION CONSULTANT	

**HIRE-PROTECTION CONSULTANT**  
**VADODARA**  
Phone:- (0)265-2487479, (M) 9426007748,  
E Mail :- [vrajsantilone@yahoo.co.in](mailto:vrajsantilone@yahoo.co.in)



## *Annexure 17: Details of Hazardous Waste*

Sr. No	Hazardous waste	Quantity
1	ETP sludge	0.15 MT/Month
2	Spent oil	62.49 lit/Month
3	Inorganic salts	6.16 kg/Month
4	Drums, Containers, HDPE liners	1 No.s/Month



*Annexure 18: Month-Wise Disposal of ETP  
Sludge to TSDF Site.*

Sr. No.	Month-wise	Disposal Details
1	April-2012	 0.9 Ton
2	May-2012	
3	June-2012	
4	July-2012	
5	August-2012	
6	September-2012	



*Bharuch Enviro Infrastructure Ltd. (BEIL) -  
GPCB Approved TSD Site Certificate*



BEIL  
Seal with  
sign.



# BHARUCH ENVIRO INFRASTRUCTURE LTD.

Site : Plot No. 9701-9716, GIDC, Ankleshwar. Dist. Bharuch.

FORM - 13 (See Rule 21 (I))

Hazardous Waste Manifest

(Information of Hazardous Waste for disposal)

Member  
Seal with  
Sign.

186024

Sr. No.

1. Occupier's Unit's Name & Mailing Address : (Including Phone No.) <b>GUJARAT POLYFILS</b> (A Unit of Modern Insulators Ltd.) Village - Nana Borasara, Tal. Mangrol, Dist. Surat Gujarat		2. Occupier's Registration No.	
4. Transporter's Name & Address : (Including Phone No.) <b>SHREE SHAKTI ENTERPRISE</b> Plot No. 4102, Nr. Crystal Chowkdi, G.I.D.C., Ankleshwar - 393 002 Mo.: 9825060239, Ph.: 02646-220991		5. Type of Vehicle Truck/Dumper / Special Vehicle	
8. Occupier's Address : <b>BHARUCH ENVIRO INFRASTRUCTURE LTD.</b> Site : Plot No. 9701-9716, GIDC Estate, Ankleshwar.		3. Manifest Document No. <b>186024</b>	
		6. Transporter's Registration No.	
		7. Vehicle Registration No. <b>GJ-17-X-6325</b>	
		9. Facility's Registration No. 10556	
		10. Facility's Phone No. : <b>225228 / 253135</b>	
11. Waste Description :  <b>ETP Sludge</b>		12. Total Quantity of Waste  M <sup>3</sup> MT	
		13. Consistency  Solid Semi-Solid Sludge Oily Tarry Slurry	
14. Transport Description of Waste		15. Containers No. Type	
<b>ETP Sludge</b>		01 Dumper	
		16. Total Quantity in MT <b>0.595</b>	
		17. Unit Wt./Vol. in MT <b>MT</b>	
		18. Waste Category No. As per Act.	
19. Special Handling Instruction & Additional Information :			
20. OCCUPIER'S CERTIFICATE : I here by declare that the contents of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labeled, and are in all respects in proper condition for transport by road according to applicable national government regulations.			
Typed Name & Stamp of Unit : <b>GUJARAT POLYFILS</b> (A Unit of Modern Insulators Ltd.) Village - Nana Borasara, Tal. Mangrol, Dist. Surat Gujarat		In Time _____ Hrs. DAY MONTH YEAR <b>06 11 20 12</b>	
21. Transporter's Acknowledgement of Receipt of Materials Typed Name & Stamp of Transporter <b>SHREE SHAKTI ENTERPRISE</b> Plot No. 4102, Nr. Crystal Chowkdi, G.I.D.C., Ankleshwar - 393 002 Mo.: 9825060239, Ph.: 02646-220991		Signature with Designation <b>Signature with Designation</b> Out Time _____ Hrs. DAY MONTH YEAR <b>06 11 20 12</b>	
22. Discrepancy Note Space			
23. Facility Owner or Operator's Certification of Receipt of Hazardous Waste <b>BHARUCH ENVIRO INFRASTRUCTURE LTD.</b> Phone No. : (02646) 225228, 253135 Fax No. : (02646) 222849 For BEIL Manifest Valid for 3 Months Date of Issue <b>27 Oct 2012</b> Time _____ Hrs. DAY MONTH YEAR <b>06 11 20 12</b> Authorised Signatory Signature with Designation			

WHITE COPY



*Annexure 19: CCA copy*





# GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan  
Sector-10-A, Gandhinagar-382 010.  
Phone : (079) 23226295  
Fax : (079) 23232156  
Website : www.gpcb.gov.in

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) Act -1981 and Authorization under rule 3(c) & 5(5) of the Hazardous Waste (Management handling & Transboundary Movement) Rules 2008 & as amended up to year 2003 framed under the Environment (Protection) Act-1986 the Board is empowered to grant the Consolidated Consents and Authorization.

And whereas the Board has received consolidated consents application letters No.17712 dated 01/09/2010 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

## CONSOLIDATED CONSENTS AND AUTHORISATION:

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

To,

M/s. GUJARAT POLYFILS.,  
PLOT NO. 280, 281 & 282,  
NANA BORSARA,  
TA: MANGROL - 394125,  
DIST: SURAT

1. Consent Order No. : AW- 41262 date of Issue: 15/03/2011.
2. The consent shall be valid up to 31/08/2015 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	Capacity (MT / Month)
1.	POLYESTER FILAMENT YARN (PFY AND FDY)	1200
2.	POLYESTER LUMPS AND REJECTED YARNS (BY-PRODUCT)	25

## SPECIFIC CONDITIONS:

1. The applicant shall comply with all the conditions mentioned in the Environmental Clearance issued by MoEF vide letter No. J-11011/1321/-2007-IA-II (I) dated 06/06/2008.
2. The applicant shall strictly duly adhere with dully notarized undertaking dated 16/02/2008 relating to ZERO Discharge condition.
3. CONDITIONS UNDER THE WATER ACT - 1974:
  - 3.1 The quantity of trade effluent generated from manufacturing process and other industrial ancillary operations shall not exceed 11 m<sup>3</sup> per day

*Clean Gujarat Green Gujarat*



# GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan

Sector-10-A, Gandhinagar-382 010.

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

3.2 The quantity of Sewage effluent from the factory shall not exceed 12 m<sup>3</sup> per day.

## 3.3 TRADE EFFLUENT:

3.3.1 The quantity of industrial wastewater discharge shall be nil as entire quantity of effluent will be evaporated in closed looped multistage Evaporation System.

3.3.2 Sewage shall be disposed off through Septic tank/soak pit system and shall be discharged conforming to the following standards:

BOD (20° C 5 days)	Less than 20 mg/l
Suspended Solids	Less than 30 mg/l
Residual Chlorine	Minimum 0.5 ppm

## 4. CONDITIONS UNDER THE AIR ACT - 1981:

4.1 The following shall be used as a fuel for operation of the thermopack:

Sr. No.	Fuel	Quantity
1.	Electricity	---
2.	MSD	190 litre / hour

4.2 The applicant shall install and operate air pollution control system in order to achieve norms prescribed below:

4.3 Flue gas emission from the stack attached to the thermopack shall conform to the following standards:

Sr. No	Stack attached to	Stack height (Meter)	Parameter	Permissible Limit
1.	D. G. Sets (2 Nos. - 860 KVA each)	12	Particulate Matter	150 mg/NM3
2.	Thermic Fluid Heater (4 Nos.) Electricity operated	---	SO <sub>2</sub>	100 ppm
			NOx	50 ppm

4.4 There shall be no process emission from the plant.

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 /displayed to facilitate identification.

*Clean Gujarat Green Gujarat*





## GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan

Sector-10-A, Gandhinagar-382 010.

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb. gov. in

- 4.6 The concentration of the following parameters in the ambient air within the premises of the industry for 24 hour average shall not exceed the limits specified hereunder.

PARAMETER	PERMISSIBLE LIMIT	
	Annual Av.	24 hrs. Average
Particulate matter-10 (PM <sub>10</sub> )	60 microgram/NM <sup>3</sup>	100 microgram/NM <sup>3</sup>
Particulate matter-2.5 (PM <sub>2.5</sub> )	40 microgram /NM <sup>3</sup>	60 microgram/NM <sup>3</sup>
SO <sub>2</sub>	50 microgram/ NM <sup>3</sup>	80 microgram/NM <sup>3</sup>
NO <sub>x</sub>	40 microgram /NM <sup>3</sup>	80 microgram/NM <sup>3</sup>

- 4.7 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 6a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 4.8 The applicant shall at its own cost get samples of stack emission as well as ambient air quality collected and analyzed from an approved laboratory once in three months and shall submit the reports in duplicate to the Board by the 10<sup>th</sup> of succeeding month. The applicant shall also maintain records of analytical results properly and shall keep these records / charts open for inspections.
- 4.9 The consent to operate shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limit as mentioned above.
5. **AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 3 (c) & 5 (5))**
- 5.1 **AUTHORIZATION NO. AW- 41262 date of Issue: 15/03/2011.**
- 5.2 **M/S. GUJARAT POLYFILS** is, hereby, granted an authorization for following hazardous wastes on the premises situated at Block No 281, 282, Nana Borsara, Ta Mangrol, Dist: Surat:

Sr. No.	Waste	Quantity	Schedule-I Process No.	Facility
1	Used Oil	3100 litre per Year	5.1	Collections, Storage, Transportation, Disposal by reuse as lubricant or selling to Registered re-refiners.
	Spent Oil	700 litre per year		
2	Discarded Containers / Liner	16 Nos./Year 3600 Kg/Year	33.3	Collection, Storage, Decontamination and disposal by reuse or selling to authorized recycler.

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# GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan  
Sector-10-A, Gandhinagar-382 010.  
Phone : (079) 23226295  
Fax : (079) 23232156  
Website : www.gpcb.gov.in

- 7.3 Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous waste generated within the factory premises.

For and on behalf of  
GUJARAT POLLUTION CONTROL BOARD

(R. R. VYAS)  
ENVIRONMENT ENGINEER

GPCB/CCA-SRT-1099 (2) /GPCB ID 34040/ 80927

16 MAY 2011

✓ M/s. GUJARAT POLYFILS.,  
PLOT NO. 280, 281 & 282,  
NANA BORSARA,  
TA: MANGROL - 394125,  
DIST: SURAT

*Clean Gujarat Green Gujarat*



*Annexure 20: Third party Noise analysis  
Report*





## Noise Sample Analysis Report

Ref. No. : DCPL/GPF/ARNM/12/108A  
Name of the party : Gujarat Polyfills  
Address : Gujarat Polyfills  
Mr. A K Vijay  
303, Shree Shyam Chamber, Opp. Sub Jail,  
Ring Road, Surat  
Gujarat.  
Sample collected on : 17/07/12  
Sample Source : Noise Sample  
Noise level Meter No : Sound Level Meter (C-80646)  
Calibration date : 13-07-12 Calibration Validity: 12-07-13  
Calibrated By : National Center for Quality Calibration, Ahmedabad.

### Inside plant Area

No.	Location (1 m from source)	Noise Level dB(A)	Permissible Limits for Plant Area
1.	Centrifugal Air Compressor	85	<85 dB
2.	Spinning Area I	79	
3.	Spinning Area II	79	
4.	Extruder Area	74	
5.	Blower I	88	
6.	Root Blower	85	
7.	Cooling Tower I	73	
8.	Cooling Tower II	78	
9.	Blower Venturi Scrubber	81	
10.	ID I	80	
11.	ID II	80	

Place: Surat

For Detox Corporation Pvt. Ltd.,

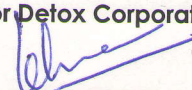
Date: 23.07.2012

**Note:**

- (1) The results pertain to tested items only.
- (2) This report shall not be reproduced except in full and authenticity of this report must be validated with office copy at Detox Corporation Pvt. Ltd

Doc. No  
dt/OP/NAR/09

Rev./Date.  
00/015-04-2007

  
Technical Manager

**Branch Office :**

Rishabh Corner, Plot No.: 93,  
Sector - 8, Gandhidham, Kutch.  
Telefax : +91 2836 - 228337  
E-mail : detox\_kandla@hotmail.com

**Regd. Office :**

3rd Floor, K.G.Chambers, Udhna Darwaja  
Ring Road, Surat - 395 002.  
Phone : 91 - 261 - 2351248, 2346181, Fax : 2354068  
E-Mail : info@detoxcorp.com, www.detoxcorp.com



## *Annexure 21: Organogram*



### **GUJARAT POLYFILS**

[A Unit of Modern Insulators Ltd.]

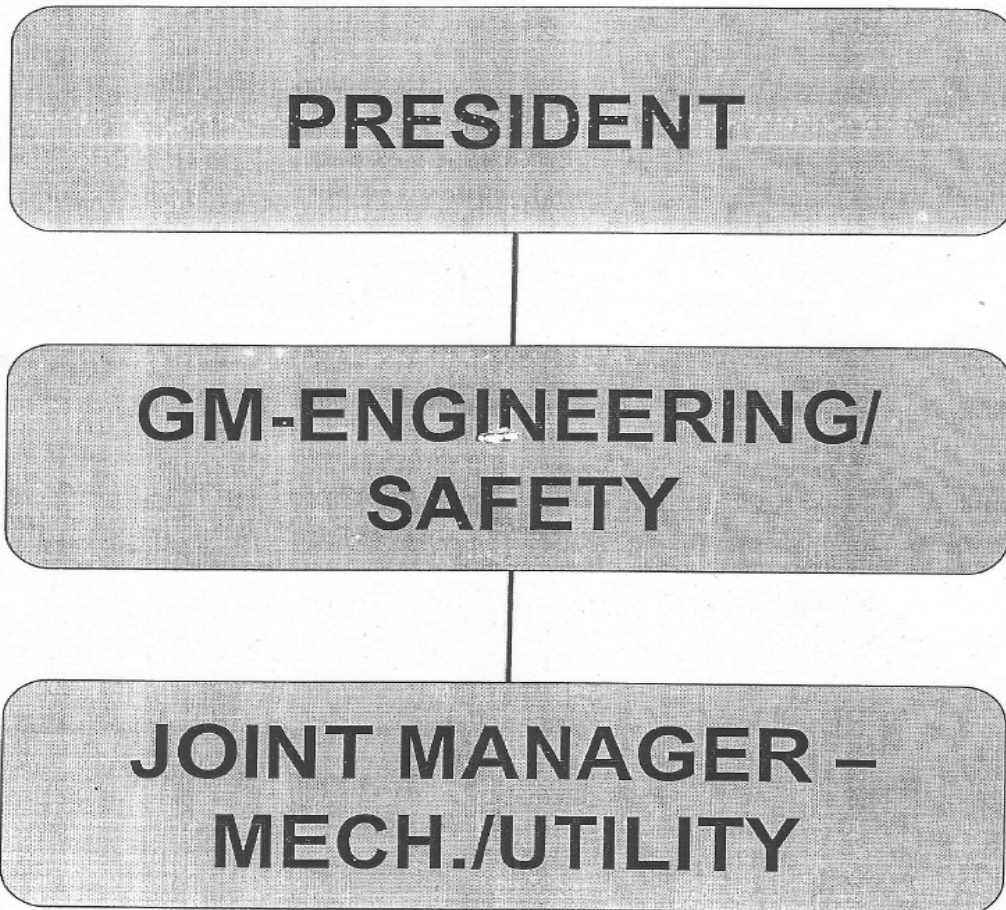
Works : Village : Nana Borsara, Taluka : Mangrol, Dist. Surat - 394125, Gujarat

Telefax : 02646-276579 Tel. No. : 02646-276162

E-mail : info@gujpolyfils.com / gujpolyfils@gmail.com

## **ORGANIZATION CHART**

FOR EMS



**Gujarat Polyfils**  
(A Unit Of Modern Insulators Ltd.)

(Authorised Signatory)

Surat Off. : 303, Shree Shyam Chamber, Opp. Sub Jail, Ring Road, Surat. Tel. : 0261-3017307, Email : marketing@gujpolyfils.com  
Regd. Off. : A/4, Vijaypath, Tilak Nagar, Jaipur-302 004 • Tel. : (0141) 2623430/31/32/33 • Tlx. : 0365-2303 MSIL in • Fax : 0141-2621382



## *Annexure 22: Details of Rain water harvesting system*

<i>Particular</i>	<i>Unit</i>	<i>Value</i>		
		<i>Roof-Top</i>	<i>Ground Surface Covering</i>	<i>Untreated Ground Catchment</i>
<i>Annual Rain fall</i>	<i>mm</i>	<i>1400</i>		
<i>Runoff Coefficient</i>	<i>--</i>	<i>0.75</i>	<i>0.7</i>	<i>0.15</i>
<i>Filter efficiency</i>	<i>--</i>	<i>0.85</i>	<i>0.85</i>	<i>0.85</i>
<i>Catchment Area</i>	<i>Sq.meter</i>	<i>5440</i>	<i>4000</i>	<i>78592</i>
<i>Annual Volume of water harvested</i>	<i>KL</i>	<i>4855</i>	<i>3332</i>	<i>14029</i>
	<i>Liter</i>	<i>4855200</i>	<i>3332000</i>	<i>14028672</i>
<i>Total Annual Volume of Water harvested</i>	<i>KL</i>	<i>22216</i>		
	<i>Liter</i>	<i>22215872</i>		
<i>Per Day water Consumption</i>	<i>Kl/day</i>	<i>275</i>		
<i>Working days per month</i>	<i>Days/month</i>	<i>25</i>		
<i>Annual Water Consumption</i>	<i>KL</i>	<i>82500</i>		
<i>Annual Water Requirement after harvesting</i>	<i>KL</i>	<i>60284</i>		
<i>Annual Reduction in Groundwater withdrawal</i>	<i>%</i>	<i>26.928</i>		



THE TIMES OF INDIA, SURAT  
WEDNESDAY, JUNE 11, 2008

GUJAR

TIMES

## Personal Messages

BIRTHDAY WISHTHINGS

CONGRATULATIONS

Kshatriya community in Gondal protests against TV serial Members of Kshatriya community in Gondal staged a rally protesting against some objectionable dialogues in a doordarshan by Gujarati serial "Mare to Angane Ek Van Awahe." They have alleged that the dialogues in the serial made fun of members of the Kshatriya community using satirical Saravaliya and its deis. The community members handed over a memorandum to the collectorate, demanding to stop the telecast of such objectionable episodes. **SANDIP SARADHM**

### NOTICE

This is to bring to the notice of public & all concerned authorities that Ministry of Environment & Forest, IA-Division, Pariyavarani Bhavan, C-40 Complex, Lodhi Road, New Delhi-110005 in its 81<sup>st</sup> meeting of expert appraisal committee (Industry) held during 12<sup>th</sup>-14<sup>th</sup> May, 2008 has accorded the environmental clearance with effect from dated 03.06.2008 for our FDY Project under the permission of EIA Notification dated 14<sup>th</sup> Sept, 2006 subject to compliance of some specific & general conditions. The details of above circular is already sent to Chairman Gujarat State Pollution Control Board, Sector 10A, Gandhinagar-382015 via e-mail available at website of ministry <http://envfor.nic.in>

S.L. Maheshwari  
President

Gujarat Polyfils  
(A Unit of Ramnagar Industries Ltd)

Date : 07/06/2008

Works : Vill - Nandoli, Tal - Wangdal,  
Dist - Surat-394120, State - Gujarat.

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THE TIMES OF INDIA

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New Jaipur... Rs 1,000 for a simple visit

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## TIMES Personal Messages

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- Single SPI
- Support
- Quad SPI
- 1.3 Adeg
- 2.0 Adeg
- SPI 4x3
- 4x3 T
- 4x3 T

Accessories & Index:  
2 Ballpoint Stylus  
1 Home Charger

Payment Option  
Payable as: E

S.I. Maheswara  
Resident  
Gujarat Polyfile  
(A Unit of Eastern Insurance Ltd)  
Works - Vill. Nande Borsara, Tal. Mangrol  
Dist. Surat-394125. State : Gujarat

a regular and a slim man, with the  
 long hair and a thin mustache, he  
 was, in fact, a Jew. He had been  
 in the United States for 10 years, and  
 was now working for the company.  
 He had been in the United States  
 for 10 years, and was now working  
 for the company. He had been in  
 the United States for 10 years, and  
 was now working for the company.

[illegible]

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