Beekaylon SYNTHETICS PVT. LTD.

Date: May 10, 2018

To,
Additional Principal Chief Conservator of Forest (Central)
Regional Office (Western Region),
Ministry of Environment and Forests,
"Kendriya Paryavaran Bhavan"
Link Road no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of reply to the additional observations and comments of the referred letter dated: 09.04.2018.

Ref.: MoEF&CC Letter No. 5-6/2011(ENV)/015, Dt. 09.04.2018.

Dear Sir,
We are in receipt of above referred letter and noted the contents of the letter, we would like to state as under along with the required detains as attachments in compliance of the points mentioned in the letter.

i. Present status (Physical/civil) of work progress.
Our Reply: Presently the project is under operation as per awarded Environmental Clearance from MoEF and Consent from PCC.

ii. A comprehensive compliance report in respect of all the conditions of EC with adequate reasoning and supporting data showing the summary of the monitored data in tabular format within the compliance status itself.
Our Reply: A comprehensive compliance report in respect of all the conditions of EC with the summary of the monitored data in a tabular format as **attachment – I.**

iii. Period of Compliance for which compliance report is being submitted.
Our Reply: Period of Compliance report:
1. Period of Oct.'14 to Mar.'15, Date: 20.10.2015.
2. Period of Apr.'15 to Sept'15, Date: 20.10.2015.
3. Period of Oct.'15 to Mar.'16, Date: 26.05.2016.
4. Period of Apr.'16 to Sept.'16, Date: 17.10.2016.
5. Period of Oct.'16 to Mar.'17, Date: 05.05.2017.
6. Period of Apr.'17 to Sept.'17, Date: 16.11.2017.

Works-1 : Plot No. 60,62,64,65, Govt. Ind. Estate, Masat (Via) Silvassa - 396 230.(D. & N. H.)
Works-2 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-3 : Survey No. 287/1, Village - Velugam, Silvassa - 396230. (D. & N. H.)
Tel.: (0260) 2640842, 2640843, E-mail : silvassa@beekaylon.com

Regd. & Administrative Office :Office No.15,16 & 17, Maker Chamber - 3, Jamnalal Bajaj Road, Nariman Point, Mumbai - 400 021
Tel.No.: (022) 43530400, 43530410, 43530411 E-mail : ho@beekaylon.com

iv. Copies of:
- Consent to Establish/Operate from Pollution Control Committee.

Our Reply: Copy of Consent to Establish and Consent to operate is enclosed as **Annexure - II.**

v. Details of show cause/closure notice issued by Pollution Control Committee/CPCB during last 3 years.
Our Reply: There is no show cause/closure notice issued by Pollution Control Committee /CPCB during last 3 years.

vi. Details of court cases.
Our Reply: There is no court case against our company.

vii. Information about any expansion/replacement/construction work undertaken without valid approval/EC.
Our Reply: No any construction/expansion activity is taken up without Environmental Clearance.

viii. PA shall clarify any directions of CPCB regarding online monitoring etc.
Our Reply: There is no any direction issued by CPCB with regard to online monitoring etc.

ix. The information in the enclosed Data-Sheet.
Our Reply: The Data-Sheet is enclosed as **Annexure - XIV.**

Thanking you,
Yours truly,
For Beekaylon Synthetics Pvt. Ltd.

(Authorised Signatory)

Encl.: A/a.

HALF-YEARLY COMPLIANCE REPORT

(IN RESPECT OF THE STIPULATED T&C)

OF

PRIOR ENVIRONMENTAL CLEARANCE

(EC LETTER NO.:- F. NO. J-11011/66/2010-IA-II (I) Dated: 30.12.2010)

(For the period of: October 2017 to March 2018)

FOR

M/s. BEEKAYLON SYNTHETICS PVT. LTD.

Located At:

Survey No. 205/1-2 & 207,
Notified Industrial Zone, Village. Masat,
Samarvani, Silvassa,
Dadra & Nagar Haveli-396 230

ENVIRONMENTAL CLEARANCE COMPLIANCE RPORT

(EC LETTER NO.:- F. NO. J-11011/66/2010-IA-II (I) Dated: 30.12.2010)

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

LIST OF PRODUCTS

Sr. No.	Name of the Product	Capacity (MT/Annum)
1	Polyester Texturised & Twisted Yarn	24960
2	Polyester Oriented Yarn (i.e. POY)/Fully Drawn Yarn (FDY)	31500

A. Compliance of Specific conditions :

Sr. No.	CONDITION	COMPLIANCE STATUS
i.	The National Ambient Air quality standards issued by the ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed.	We regularly monitor the Ambient Air quality for applicable parameters following the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No.826 (E) dated 16th November, 2009. The ambient air quality monitoring parameters are as per the Consent. The Ambient air quality monitoring Test reports (for the period of Oct.'17 to March.'18) are enclosed as **Annexure-I.** The results of Ambient air quality monitoring is provided in the Table no.1 mention below:

Tale No.1: Ambient Air Quality Monitoring Data

Ambient Air Quality Monitoring Data (Period : October - 2017 to March - 2018)						
Location of sampling/Monitoring – within company premises				Parameter with Results		
Month/Year	**Date**	**PM_{10} µg/m^3**	**$PM_{2.5}$ µg/m^3**	**SO_2 µg/m^3**	**NO_2 µg/m^3**	**CO mg/m^3**
October-17	07/10/17	85	25	15.8	23.4	BDL
November-17	27/11/17	83	26	15.9	22.7	BDL
December-17	09/12/17	80	23	14.7	22.3	BDL
January-18	09/01/18	84	25	17.2	25.6	BDL
February-18	02/02/18	94	33	19.3	23.8	BDL
March-18	05/03/18	87	31	15.6	24.7	BDL
CPCB Standard		100	60	80	80	2.0
NOTE: Ambient Air quality monitoring was carried out by NABL accredited laboratory M/S UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.						

ii.	The total water requirement shall not exceed 177 KLD and permission shall be obtained to draw the water from the competent authority.	• Average daily water consumption is well within 177 KL/D. Fresh water is sourced from Damanganga Canal. We have executed an agreement to draw surface water from Damanganga canal and the copy of agreement

from Damanganga Canal Distry Dn. No.3, Balitha is enclosed as **Annexure-III.**

- The water balance diagram is provided as fig.no.3.
- The water permission letter and last six months minimum and maximum water consumption data is provided as fig.no.1 and 2.
- The last six month water bill is provided as fig. No. 4, 5,6,7,8, 9.

Figure No.1: Water permission letter from Damanganga Canal Distry Dn. No.3, Balitha.



Fig.No2: Last Six Months Water Consumption

WATER CONSUMPTION STATEMENT

MONTH	MINIMUM CONSUMPTION	MAXIMUM CONSUMPTION
OCT- 2017	1,40,000 Ltr	3,10,000 Ltr
NOV - 2017	60,000 Ltr	2,80,000 Ltr
DEC - 2017	1,00,000 Ltr	3,80,000 Ltr
JAN - 2018	80,000 Ltr	2,80,000 Ltr
FEB - 2018	1,50,000 Ltr	2,40,000 Ltr
MAR - 2018	30,000 Ltr	2,80,000 Ltr

Figure No.3: Water Balance Diagram

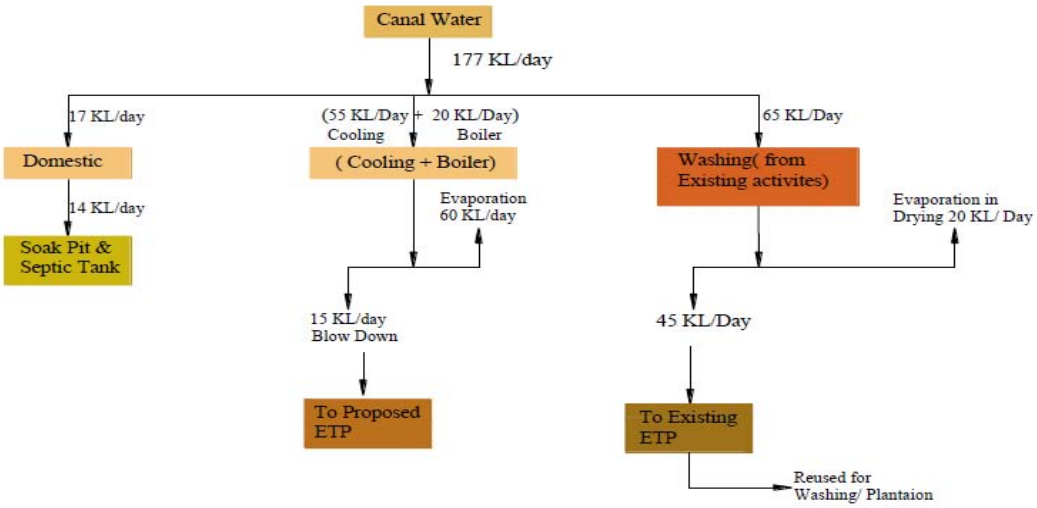


	Fig. No.4: Water Supply Bill-Oct-17 	**Fig. No.5: Water Supply Bill-Nov-17** 	**Fig. No.6: Water Supply Bill-Dec-17** 
	Fig. No.7: Water Supply Bill-Jan-18 	**Fig. No.8: Water Supply Bill-Feb-18** 	**Fig. No.9: Water Supply Bill-March-18** 
iii.	The industrial effluent generation shall not exceed 45m^3/d.		• The quantity of effluent generation has never exceeded 45 m^3/day in last six months. • The effluent generated from washing is reused for washing after its treatment. And the effluent generated from Cooling & Boiler is reused for plantation. Please refer the "Water balance diagram" showing the water requirement and waste water generation provided in Condition no. ii. Fig.No.10. **<u>Fig.No10: Last Six Months Waste Water Generation Data (Monthly Min. & Max.)</u>** WASTE WATER GENERATION MONTH / MINIMUM CONSUMPTION / MAXIMUM CONSUMPTION OCT- 2017 / 1,28,800 Ltr / 2,82,100 Ltr NOV - 2017 / 57,000 Ltr / 2,57,600 Ltr DEC - 2017 / 90,000 Ltr / 1,42,000 Ltr JAN - 2018 / 75,200 Ltr / 2,59,000 Ltr FEB - 2018 / 1,38,750 Ltr / 2,20,800 Ltr MAR - 2018 / 28,500 Ltr / 2,52,000 Ltr

The treated effluent after confirming to the prescribed standards shall be used for green belt development. The domestic effluent (14 m^3/d) shall be disposed through septic tank/soak pit.	• The industrial effluent generated is treated in in-house ETP having primary, secondary and tertiary treatment facility. • The treated wastewater conforming to the prescribed standard is used for plantation of greenbelt within premises. • Domestic wastewater generation is below 14 m^3/day (max.), which is being disposed off through septic tank into soak pit. • The untreated and treated effluent test report is enclosed as **Annexure-I.** • The results of treated effluent test results are provided in the Table no.2 & 3 mention below: • The POY Div. ETP Photographs are provided as fig.no.11, 12, 13 and 14. • The Texturised Div. ETP Photographs are provided as fig.no.15, 16, 17, 18, 19, 20, 21 and 22. • Wall Erected between ETP & boundary wall. Photographs are provided as fig.no.23 and 24. • R.O. System Photographs are provided as fig.No.25 and 26.
Fig.No.11: POY Div. ETP 	**Fig.No.12: POY Div. ETP** 
Fig.No.13: POY Div. ETP 	**Fig.No.14: POY Div. ETP** 

	Fig.No.15: Texturised Div. ETP 	**Fig.No.16: Texturised Div. ETP** 
	Fig.No.17: Texturised Div. ETP 	**Fig.No.18: Texturised Div. ETP** 
	Fig.No.19: POY Div. ETP 	**Fig.No.20: Texturised Div. ETP** 

	Fig.No.21: POY Div. ETP 	**Fig.No.22: POY Div. ETP** 
	Fig.No.23: Wall Erected between ETP & boundary wall 	**Fig.No.24: Wall Erected between ETP & boundary wall** 
	Fig.No.25: R.O. System 	**Fig.No.26: R.O. System** 

Table No.2 Water Quality Monitoring Data (POY Div.)

Water Quality Monitoring Data (POY Div.)								
Appearance of sample : Colorless			**Treated Water Sample**					
Sr. No.	**Test Parameters**	**P.C.C Limit**	**Month/Year (Period: October - 2017 to March-2018)**					
			Oct-2017	**Nov-2017**	**Dec-2018**	**Jan-2018**	**Feb-2018**	**March-2018**
			Date of Sampling					
			07/10/2017	**13/11/2017**	**09/12/2017**	**09/01/2018**	**02/02/2018**	**05/03/2018**
1.	pH at 25^{o}C	6.5 – 9.0	7.18	7.45	7.62	7.55	7.49	7.58
2.	Colour (Pt. Co. Scale)	--	60	80	80	100	80	80
3.	Total Dissolved Solids	--	1028	1324	1562	1170	1426	1656
4.	Total Suspended Solids	100 Max	28	52	38	34	54	38
5.	Chemical Oxygen Demand (COD)	250 Max	105.5	144.3	182.2	236.7	183.6	155.5
6.	Biochemical Oxygen Demand (BOD)	100 Max	34	46	55	74	55	48
7.	Oil & Grease	10 Max	N.D	N.D	N.D	7.0	5.0	4.0
8.	Chloride (as Cl)	--	155.9	178.3	163.2	258.8	275.1	306.3
9.	Sulphate (as SO_4^{-2})	--	367.2	396.1	344.4	223.1	324.5	412.2

Note: N.D. = Not Detectable, MDL = Minimum Detection Limit

Analysis of treated effluent was carried out by NABL accredited laboratory M/S UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.

Table No.3 Water Quality Monitoring Data (Texturised Div.)

Water Quality Monitoring Data (FDY Div.)								
Appearance of sample : Colorless			**Treated Water Sample**					
Sr. No.	**Test Parameters**	**P.C.C Limit**	**Month/Year (Period: October - 2017 to March-2018)**					
			Oct-2017	**Nov-2017**	**Dec-2018**	**Jan-2018**	**Feb-2018**	**March-2018**
			Date of Sampling					
			07/10/2017	**13/11/2017**	**09/12/2017**	**09/01/2018**	**02/02/2018**	**05/03/2018**
10.	pH at 25°C	6.5 – 9.0	7.06	7.29	7.47	7.81	7.63	7.77
11.	Colour (Pt. Co. Scale)	--	150	100	150	100	100	100
12.	Total Dissolved Solids	--	912	1096	1326	1276	1652	1908
13.	Total Suspended Solids	100 Max	62	48	66	18	40	68
14.	Chemical Oxygen Demand (COD)	250 Max	139.5	177.4	148.8	236.5	179.3	203.3
15.	Biochemical Oxygen Demand (BOD)	100 Max	45	55	45	74	54	64
16.	Oil & Grease	10 Max	N.D	N.D	N.D	5.0	4.0	5.0
17.	Chloride (as Cl)	--	118.7	135.5	186.6	176.3	198.8	247.7
18.	Sulphate (as SO_4^{-2})	--	173.4	201.4	259.3	244.1	278.5	324.5
Note: N.D. = Not Detectable, MDL = Minimum Detection Limit								
Analysis of treated effluent was carried out by NABL accredited laboratory M/s. UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.								

iv.	The gaseous emissions from the boiler shall be dispersed through stack of adequate height as per CPCB/State Pollution Control Boards.	We have provided adequate stack height @ 30 m from the ground level for effective dispersion of flue gaseous during boiler operations. STACK HEIGHT FOR COAL BASED BOILER: • Stack height (H) required as per GSR 176(E) ○ As per formula $H=14Q^{0.3}$ in m **$= 14 \times (0.077)^{0.3}$** **=** 6.48 m **Where;** **Total SO_2 produced (Q)= 0.077 kg/hr** **[Fuel Consumption Rate= 50.00 kg/hr;** **Sulphur Content = 0.077%]** ○ **Min. stack height required (as per Consent): 30 m** • Hence the stack heights attached to Boiler is

		adequate. The Flue gas emission Monitoring test reports are enclosed As **Annex.-I.** The results of Flue gas emission Monitoring is provided in the Table no.1 mention below:
	The gaseous emission from the DG Set shall be dispersed through stack height as per CPCB standards shall be provided.	We have provided Stack height of 11 m attached to D.G. Set for dispersion of gaseous emissions. Stack height Calculating is as under: H=h+0.2√capacity of KVA Where h = height of the building level in meters where the generator set is installed = 4.65 m, KVA=1000 KVA=750 Calculation: H = 4.65 + 0.2 √1000 = 10.97 m H = 4.65 + 0.2 √750 = 10.12 m Provided stack height is 11 meters which is adequate dispersion of emission. The Flue gas emission Monitoring results are provided in the Table no.4 mention below: The boiler & D.G.Set chimney photographs are provided as fig. no.27 and 28.

Table No.4 Stack Monitoring Data

Stack Monitoring Data (Period : October - 2017 to March - 2018)					
Month & Year	**Date**	**Stack Sampling Attached to**	**Parameter with Results**		
			PM mg/m^3	**SO_2 mg/m^3**	**NO_2 mg/m^3**
October-17	07/10/17	D.G. set (1000 KVA)	63	24	20
		Boiler(2 Tons/Hr)	81	19	17
		D.G. set (750 KVA)	47	19	17
November-17	13/11/17	D.G. set (1000 KVA)	58	21	17
		Boiler(2 Tons/Hr)	76	21	16
		D.G. set (750 KVA)	42	16	14
December-17	09/12/17	D.G. set (1000 KVA)	54	24	18
		Boiler(2 Tons/Hr)	86	27	20
		D.G. set (750 KVA)	50	19	16
January-18	09/01/18	D.G. set (1000 KVA)	62	26	23
		Boiler(2 Tons/Hr)	90	29	23
		D.G. set (750 KVA)	54	21	18
February-18	02/02/18	D.G. set (1000 KVA)	59	21	20
		Boiler(2 Tons/Hr)	102	27	20
		D.G. set (750 KVA)	46	19	17
March-18	06/03/18	D.G. set (1000 KVA)	56	19	16
		Boiler(2 Tons/Hr)	94	21	16
		D.G. set (750 KVA)	46	16	14
Specific Value:			**<150**	**<40**	**63**

NOTE: Flue gas emission monitoring was carried out by NABL accredited laboratory M/s. UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.

	Fig. No. 27: Boiler Chimney Photographs 	**Fig. No.28: D.G.Set Chimney photographs** 
v.	The company shall carry out VOC monitoring in the work zone and data submitted to the ministry/CPCB/State Pollution Control Board.	• We regularly monitor VOC in the work zone and data submitted to the ministry/CPCB/State Pollution Control Board. • The Monthly work place monitoring report

		(October'17 to March'18) are enclosed as **Annexure-I**, • The results of work place monitoring is provided in the Table no.5 mention below:

Table No.5: Work Place Air Quality Monitoring Data

Work Place Air Quality Monitoring Data (Period : October - 2017 to March - 2018)				
Month & Year	**Date**	**Location of sampling/Monitoring**	**Parameter with Results**	
			PM_{10} µg/m3	**VOC PPM**
October-17	07/10/17	Take up area	154	ND
		Dryer area	142	ND
November-17	13/11/17	Take up area	171	ND
		Dryer area	156	ND
December-17	09/12/17	Take up area	209	ND
		Dryer area	180	ND
January-18	09/01/18	Take up area	260	ND
		Dryer area	225	ND
February-18	02/02/18	Take up area	196	ND
		Dryer area	254	ND
March-18	05/03/18	Take up area	167	ND
		Dryer area	181	ND
Fugitive emission monitoring was carried out by NABL accredited laboratory M/s. UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.				

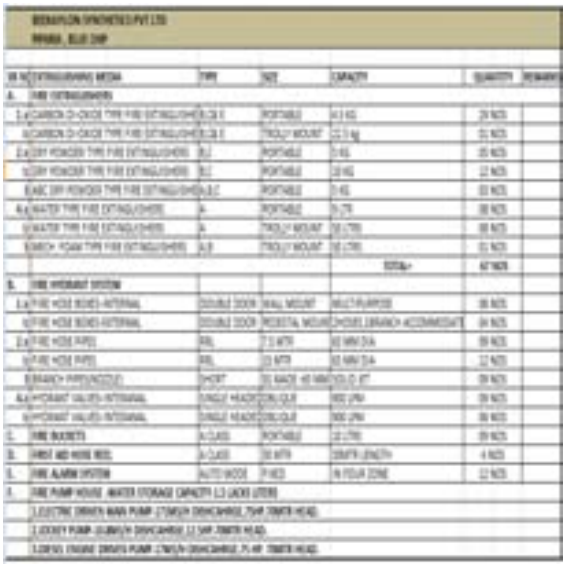
vi.	The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results if monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the regional office of MOEF, the respective zonal office of CPCB and the State Pollution Control Board.	We are regularly submitting the status of compliance of the stipulated environmental clearance conditions to the monitoring agencies. The same is also posted in our website. The web link is as under: • http://beekaylon.com/reports.html • We are regularly submitting half yearly EC compliance report for the period of April to September and October to March to the Ministry's regional office at Bhopal, respective Zonal Office of CPCB and the Gujarat Pollution Control Board well within the stipulated date. • The Six-Monthly EC Compliance Submission dates for the last three year are as under: 1. Period of Oct.'14 to Mar.'15, Date: 20.10.2015. 2. Period of Apr.'15 to Sept'15, Date: 20.10.2015. 3. Period of Oct.'15 to Mar.'16, Date: 26.05.2016 4. Period of Apr.'16 to Sept.'16, Date: 17.10.2016 5. Period of Oct.'16 to Mar.'17, Date: 05.05.2017 6. Period of Apr.'17 to Sept.'17, Date: 16.11.2017. The acknowledge copy of submission is enclosed as **Annexure – VIII.** The Six Monthly EC Compliance Submission Acknowledge copies are provided as fig.no.30, 31, 32, 33, 34 and 35.

	The levels of RSPM, SO_2, NO_X (ambient levels) shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.	• The level of RSPM, SOX, NOx, in ambient air are monitored and displayed at location near the main gate of the company. The photograph of display board is provided as fig.no.29. **Fig.No.29:Display Board** 
	Fig.No.30:EC Compliance Submission Acknowledge copy 	**Fig.No.31:EC Compliance Submission Acknowledge copy** 

	Fig.No.32:EC Compliance Submission Acknowledge copy 	**Fig.No.33:EC Compliance Submission Acknowledge copy** 
	Fig.No.34:EC Compliance Submission Acknowledge copy 	**Fig.No.35:EC Compliance Submission Acknowledge copy** 
vii.	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 for Management of hazardous wastes and prior permission from UTPCC shall be obtained for disposal of solid/hazardous waste in the TSDF.	We have obtained Authorization for collection, storage and disposal of hazardous waste under the hazardous waste (Management, Handling and Trans boundary Movement) Rules, 2016 and as amended. Management of hazardous wastes and prior permission from GEPIL, Mota Randha and the copy of membership of GEPIL is enclosed as **Annexure-IV.** ❖ Membership of Gujarat Enviro Project & Infrastructure (D&NH) Pvt. Ltd., • Certificate No: CD1W1B0016, • Date of Issue: 08.10.2013, • Date of Expiration: 07.10.2018.

		❖ Membership of Gujarat Enviro Project & Infrastructure (D&NH) Pvt. Ltd., • Certificate No: CD1W1B0027, • Date of Issue: 14.11.2013, • Date of Expiration: 13.11.2018. The GEPL Certificate is provided as fig. no.36 and 37. The Hazardous waste has been stored in separate designated hazardous waste storage area. The Hazardous Waste storage Area photograph is provided as fig.no.38 and 39.
	Fig.No.36: GEPIL Certificate  	**Fig.No.37: GEPIL Certificate** 
	Fig.No.38:Hazardous Waste Storage Area 	**Fig.No.39:Hazardous Waste Storage Area** 
	The concerned company shall undertake measurement for firefighting facilities in case of emergency.	• Fire Extinguishers are installed and maintained, to cope with emergency, in case of any fire accident occurring in the premises. Total 20 Nos. of fire extinguishers (DCP/CO2) are installed within the company premises. The fire extinguisher photographs and list

	of fire extinguisher provided as fig. no.40, 41, 42, 43, 44, 45, 46, and 47.
Fig.No.40: Fire Extinguisher Photographs 	**Fig.No.41: Fire Extinguisher Photographs** 
Fig.No.42: Fire Pump House Photographs 	**Fig.No.43: Firefighting System Photographs** 

<table>
<tr><td></td><td><u>Fig No.44: List of Fire Extinguisher</u>
  </td><td><u>Fig No.45: List of Fire Extinguisher</u>
<table>
<tr><td colspan="7">BEEKAYLON SYNTHETICS PVT LTD
MASAT, ADITYA</td></tr>
<tr><td>SR NO</td><td>EXTINGUISHING MEDIA</td><td>TYPE</td><td>SIZE</td><td>CAPACITY</td><td>QUANTITY</td><td>REMARKS</td></tr>
<tr><td>A.</td><td>FIRE EXTINGUISHERS</td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>1.a</td><td>CARBON DI-OXIDE TYPE FIRE EXTINGUISHER</td><td>B,C & E</td><td>PORTABLE</td><td>2 KG</td><td>03 NOS</td><td></td></tr>
<tr><td>b</td><td>CARBON DI-OXIDE TYPE FIRE EXTINGUISHER</td><td>B,C & E</td><td>PORTABLE</td><td>4.5 KG</td><td>03 NOS</td><td></td></tr>
<tr><td>2.a</td><td>DRY POWDER TYPE FIRE EXTINGUISHERS</td><td>B,C</td><td>PORTABLE</td><td>5KG</td><td>16 NOS</td><td></td></tr>
<tr><td>b</td><td>DRY POWDER TYPE FIRE EXTINGUISHERS</td><td>B,C</td><td>PORTABLE</td><td>10 KG</td><td>1 NOS</td><td></td></tr>
<tr><td></td><td></td><td></td><td></td><td>TOTAL</td><td>23 NOS</td><td></td></tr>
<tr><td>B.</td><td>FIRE BUCKETS</td><td>A CLASS</td><td>PORTABLE</td><td>10 LTRS</td><td>06 NOS</td><td></td></tr>
</table></td></tr>
<tr><td></td><td><u>Fig No.46: List of Fire Extinguisher</u>
  </td><td><u>Fig No.47: List of Fire Extinguisher</u>
  </td></tr>
<tr><td>viii.</td><td>The project authority shall strictly comply with the rules and guidelines under manufacture, Storage and import of hazardous chemicals Rules, 1989 as amended in October, 1994 and January, 2000.

All Transportation of Hazardous Chemicals shall be as per the MVA, 1989.</td><td colspan="2">There are No hazardous chemicals involved in the manufacturing process. Hence this condition is not applicable.

As in our manufacturing process no hazardous chemicals involved; hence, this condition is not applicable to the unit.
In spite of this we follow MVA, 1989.</td></tr>
<tr><td>ix.</td><td>Hazardous Chemicals shall be stored in tanks in tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm.</td><td colspan="2">There are no hazardous chemicals involved in the manufacturing process. Hence this condition is not applicable.</td></tr>
<tr><td>x.</td><td>The company shall undertake following waste minimization measurement:-</td><td colspan="2">We are complying with the condition.</td></tr>
</table>

	a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	a. We are transferring our Raw material under closed systems which control the quantities of active ingredients to minimize waste. a. Yarn waste is recyclable and the same is sold out to its users. Empty drums and bags are also reused.
xi.	Fugitive emission in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall confirm to the limits imposed by UTPCC.	• We are regularly monitoring Fugitive emissions in the work zone environment, product, raw materials storage area etc. • The monthly work place monitoring report (October'17 to March'18) are enclosed as **Annexure-I**, the emissions are well within the stipulated limits prescribed by the PCC, Summary of the results are provide in condition no. V.
xii.	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.	We have constructed the storm water drain to avoid mixing of accidental spillages with domestic waste and storm water.
xiii.	The company shall harvest surface as well as rainwater from the rooftops of the buildings and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	We have been installed the Rain water harvesting system and storm water drains for recharge the bore wells for ground water recharge. Dimensions of discharge Pit of rain water harvesting is: 3.5 Fit length x Fit length x 3.75 Fit Height. The rain water harvesting photographs provided as fig. no.48. **Fig.No.48: Rain Water Harvesting Photo** 

xiv.	The company shall make the arrangement for protection of possible fire hazardous during manufacturing process in material handling.	We have made arrangement for protection of possible fire hazards during manufacturing process in material handling; and also provided the fire fighting system as per the norms. • Fire Extinguishers are installed and maintained, to cope with emergency, in case of any fire accident occurring in the premises. Total 20 Nos. of fire extinguishers (DCP/CO2) are installed within the company premises. The fire extinguisher photographs and list of fire extinguisher provided as fig. no.49, 50, 51, 52, 53, 54, 55 and 56.
	Fig.No.49: Fire Extinguisher Photographs 	**Fig.No.50: Fire Extinguisher Photographs** 
	Fig.No.51: Fire Pump House Photographs 	**Fig.No.52: Firefighting System Photographs** 

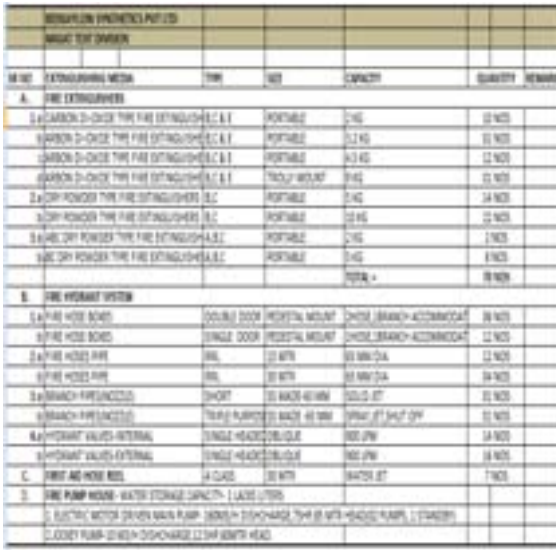
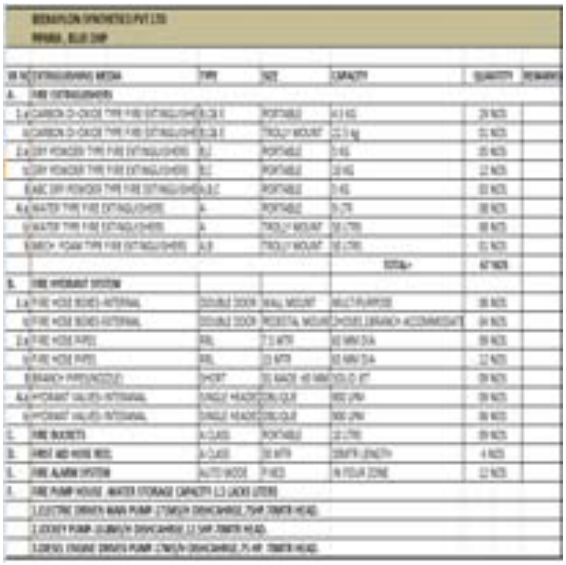
	Fig No.53:List of Fire Extinguisher 	**Fig No.54:List of Fire Extinguisher** BEEKAYLON SYNTHETICS PVT LTD MASAT, ADITYA SR NO | EXTINGUISHING MEDIA | TYPE | SIZE | CAPACITY | QUANTITY | REMARKS A. | FIRE EXTINGUISHERS 1.a | CARBON DI-OXIDE TYPE FIRE EXTINGUISHER | B,C & E | PORTABLE | 2 KG | 03 NOS | b | CARBON DI-OXIDE TYPE FIRE EXTINGUISHER | B,C & E | PORTABLE | 4.5 KG | 03 NOS | 2.a | DRY POWDER TYPE FIRE EXTINGUISHERS | B,C | PORTABLE | 5KG | 16 NOS | b | DRY POWDER TYPE FIRE EXTINGUISHERS | B,C | PORTABLE | 10 KG | 1 NOS | TOTAL | 23 NOS B. | FIRE BUCKETS | A CLASS | PORTABLE | 10 LTRS | 06 NOS |
	Fig No.55:List of Fire Extinguisher 	**Fig No.56:List of Fire Extinguisher** 
xv.	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.	We have provided the training about health & safety aspect. The total round 600 employee are working in our unit. Pre-employment and periodical medical examinations for all the workers are undertaken as per the Factories Act & Rules. The employees' medical checkup and safety training records of few employees as sample are enclosed as **Annexure - VI.** Health & Safety training schedule is provided as fig.no.57, 58, 59, 60, 61, 62, 63 and 64.

	Fig.No.57:Employee Health & Safety Training  BEEKAYLON SYNTHETICS PVT LTD	**Fig.No.58:Employee Health & Safety Training**  BEEKAYLON SYNTHETICS PVT LTD
	Fig.No.59: Health & Safety Training Certificate  U.T Administration of Dadra & Nagar Haveli Dadra & Nagar Haveli Disaster Management Authority CERTIFICATE of Participation nidm Collector / District Magistrate	**Fig.No.60: Health & Safety Training Certificate**  Certificate

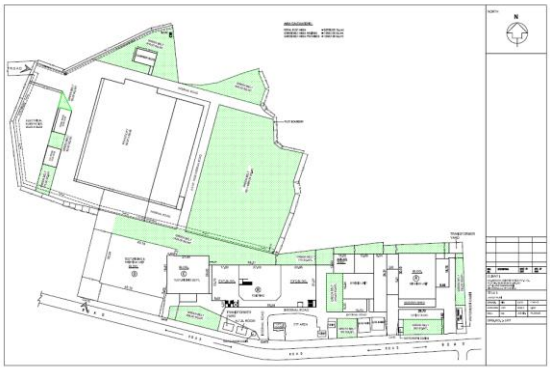
<table>
<tr><td></td><td><u>Fig.No.61:Employee Health & Safety Training</u>
  </td><td><u>Fig.No.62:Employee Health & Safety Training</u>
  </td></tr>
<tr><td></td><td><u>Fig.No.63:Employee Health & Safety Training</u>
  </td><td><u>Fig.No.64:Employee Health & Safety Training</u>
  </td></tr>
<tr><td>xvi.</td><td>Usage of PPE’s by all employees/workers shall be ensured.</td><td>We have provided the PPEs to all our employees. The list of PPE’s provided and photographs is as fig.no.65, 66, 67,68,67,70.71,72,73,74 and 75.
<u>Fig.No.65: List of PPE’S</u>
 
PPE (PERSONEL PROTECTIVE EQUIPMENTS) LIST
1 SAFETY GOGGLES =15 NOS
2 EAR PLUG =150 NOS
3 MOUTH MASK =200 NOS
4 FULL FACE MASK =05 NOS
5 SAFETY HELMETS =15 NOS
6 KNITTED HAND GLOVES =50 PAIRS
7 HEAT RESISTANT HAND GLOVES =15 PAIR
8 SAFETY HELMETS WITH FACE SHIELD =02 NOS
9 GUMBOOTS =04NOS
10 SAFETY BELTS =02 NOS</td></tr>
</table>

Fig.No.66:Safety Helmets 	**Fig.No.67:Safety Goggles** 
Fig.No.68:Ear Plugs 	**Fig.No.69:Full Face Mask** 
Fig.No.70: Gum Boots 	**Fig.No.71:Heat Resistant Hand Gloves** 
Fig.No.72:Helmet With Face Shield 	**Fig.No.73:Knitted Hand Gloves** 

	Fig.No.74:Mouth Masks 	**Fig.No.75:Safety Belt** 
xvii.	Occupation health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.	Occupational health surveillance of the workers is done on a regular basis and the records (of medical examination report) are maintained as per the Factories Act. The medical checkup details of employees are enclosed as **Annexure - VI.** The Appointment of doctor-pre/post checkup and annual medical checkup details of employees are provided as fig.no.76, 77, 78, 79, 80, 81, 82 and 83.
	Fig.No.76: Appointment of Doctor- Pre/Post Checkup  Beekaylon SYNTHETICS PVT. LTD. Date: 25/04/2018 To Dr Sachin A.Deshmukh, Ratan Complex, 1st floor, Near Bank of Baroda, Rakholi, Silvassa- 396230 Sub: Appointment for Pre & Post Employment Checkups Sir, We are pleased to appoint you on retainer as visiting Doctor for the Pre & Post employment Checkups of our employees working at our unit located at S.No.205/1-2,207, Village Samarvarni, Silvassa. For Pre Employment Check-ups The candidate's health status & includes the basic screening investigations needed to determine the candidate's medical fitness required for employment. 1. Complete Medical & Physical Examination i.e. Pulse, BP,HT, WT, BMI 2. Vision Test of both eyes for Near, Distant & Color Blindness 3. Audiometric Test of both Left & Right ears 4. Laboratory Investigations a. Complete Blood Count b. Blood Sugar Test (usually fasting) c. Urine Routine & Microscopy d. Blood Group & Rh Factor. For Post Employment Check-ups The regular employee's health check-ups also need to be investigated with reference to his occupation & all the employees fitness needs to be accessed twice a year. All the above mentioned Tests needs to be carried out & individual employees Report is to be issued & maintained by you accordingly. This arrangement is for a period of two years with effect from 25/04/2018 & renewal of your retainership will be on a mutual basis. During the period of your retainership with us you will issue us the bills at end of every month as per our discussion & understanding with you. Kindly sign the copy of this letter in acceptance of the above mentioned terms & conditions & return the same for our record. Regards, For Beekaylon Synthetics Pvt.Ltd. Authorised Signatory Dr. SACHIN ARUN DESHMUKH Reg No. : 2007/05/0904 Saraswati Hospital, Rakholi Works-1 : Plot No. 60,62,64,66, Govt. Ind. Estate, Masat (Vill. Silvassa - 396 230 (D. & N. H.) Works-2 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230 (D. & N. H.) Works-3 : Survey No. 287/1, Village - Vasgam, Silvassa - 396230. (D.& N. H.) Tel.: (0260) 2640842, 2640843, E-mail : silvassa@beekaylon.com Regd. & Administrative Office : Office No.13,16 & 17, Maker Chamber - 3, Jamnalal Bajaj Road, Nariman Point, Mumbai - 400 021 Tel.No.: (022) 43530400, 43530410, 43530411 E-mail : ho@beekaylon.com	**Fig.No.77: Medical Checkup Plan**  Beekaylon SYNTHETICS PVT. LTD.

	Fig.No.78:Medical checkup Reports 	**Fig.No.79: Medical checkup Reports** 
	Fig.No.80:Medical checkup Reports 	**Fig.No.81:Medical checkup Reports** 
	Fig.No.82:Medical checkup Reports 	**Fig.No.83:Medical checkup Reports** 
xviii.	Green belt shall be developed in 8500 m2. Of the plant area. Selection of plant species shall be as per the CPCB guidelines.	Greenbelt has been developed as per the guidelines of CPCB, under the supervision of experienced personnel and guidance of local

		experts. The company has developed greenbelt in about 8500 sq. m. land out of total land of 32300 sq. m. The green belt photographs and green belt layout is provided as fig. no.84, 85, 86, 87 and 88.
	Fig.No.84: Green Belt Photographs 	**Fig.No.85: Green Belt Photographs** 
	Fig.No.86: Green Belt Photographs 	**Fig.No.87: Green Belt Photographs** 

	Fig.No.88: Layout Plan showing Greenbelt area 	
xix.	The company shall undertake rainwater harvesting measures to recharge the ground water as well as reduced consumption of water.	We have been installed recharge pit to recharge the ground water through roof top rain water harvesting and storm water drainage. Dimensions of discharge Pit of rain water harvesting is: 3.5 Fit length x Fit length x 3.75 Fit Height. The rain water harvesting photographs provided as fig. no.89. **Fig.No.89: Rain Water Harvesting Photo** 
xx.	The adequate financial provisions 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.	We have made financial provision in the budget, adequate for implementation of suggested environment safeguards. And the earmarked fund is never diverted for any other purposes. We have secured funds for capital investment and Rs. 22.00 Lakhs/Annum as recurring cost to implement and maintain the conditions stipulated

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<tr><td></td><td></td><td>by the Ministry of Environment & Forests as well as the State Government. As on Feruary 2018 the recurring cost of EMS is 13, 47,200.00 Lakhs/Annum.
The Actual expenses are as under: The said fund is already utilized for the development of environmental management system.
The EMS Funds is provided in the Table no.6 mention below:</td></tr>
<tr><td></td><td colspan="2"><u>Table No.6: Funds for EMS</u>
<table>
<tr><td colspan="3">EMS capital expense (actual)</td></tr>
<tr><td>Sr. No.</td><td>Particulars</td><td>(Rs. In Lakhs)</td></tr>
<tr><td>1</td><td>Environmental Protection measures</td><td>22.00</td></tr>
<tr><td colspan="2">TOTAL</td><td>22.00</td></tr>
<tr><td colspan="3">Recurring Cost/Annum (year-2016-17)</td></tr>
<tr><td>1.</td><td>Environment & Safety Management System</td><td>10.00</td></tr>
<tr><td>2.</td><td>Greenbelt Maintenance</td><td>2.00</td></tr>
<tr><td>3.</td><td>Air</td><td>54,000.00</td></tr>
<tr><td>4.</td><td>Noise</td><td>9,600.00</td></tr>
<tr><td>5.</td><td>Water</td><td>22,,800.00</td></tr>
<tr><td>6.</td><td>Flue gas stack monitoring</td><td>33,600.00</td></tr>
<tr><td>7.</td><td>Health Checkup expenses</td><td>0.50</td></tr>
<tr><td colspan="2">TOTAL</td><td>13,47,200.00</td></tr>
</table></td></tr>
<tr><td>xxi.</td><td>Noise control management plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry’s Regional Office at Bhopal, SPCB and CPCB within 3 months of issue of environment clearance letter.</td><td>Noise control management plan along with the mitigation measures is a part of EIA report submitted.</td></tr>
<tr><td>xxii.</td><td>The company shall comply with the recommendations made in the EIA/EMP report.</td><td>• We are following all the recommendations / commitments made in the EMP report of the project.
• Risk mitigation measures relating to the project are also taken care of and are implemented.
The Details of recommendations / commitments made in the EMP report is enclosed as Annexure - X.
The Details of recommendations / commitments made in the EMP report is given below.</td></tr>
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Recommendations made in the EIA/EMP in respect of environmental management	
➢ **Air pollution Control** • We have provided adequate stack height @ 30 m from the ground level for effective dispersion of flue gaseous during boiler operations. ➢ We have provided Stack height of 11m attached to D.G. Set for dispersion of gaseous emissions. ➢ **Noise** • Acoustic enclosure is provided to abet noise pollution during operation of D.G. Set. • We regularly monitor noise level within the premises through NABL accredited laboratory. • We provided the PPEs to all our employees/ workers. And its utilization by them is ensured.	➢ **Water & wastewater** • Domestic waste water generated is disposed off through septic tank into soak pit. • The industrial effluent generated is treated in in-house ETP having primary, secondary and tertiary treatment facility. • The treated waste water is after conforming to the prescribed standard is used for plantation of greenbelt within premises. ➢ **Rain water harvesting** • We have been installed recharge pit to recharge the ground water through roof top rain water harvesting and storm water drainage.
➢ **Risk Assessment & Safety Measures** • We have implemented the following safety measures for the employees: • Safety Training is provided to the employees. • Manual call bells in case of emergency are provided. • Emergency Control Room with emergency sirens is established. • Assembly point is provided. • Fire Hydrant System is installed. • Fire Extinguishers are provided. • Mock drills are periodically conducted and factors like response time are evaluated. • Fire squad team is formed for handling any emergency situation & regular training of squad team is conducted. • First Aid Facility and training are provided. • Personal protective gears and equipments are provided to employees. • Health checkup are organized at regular intervals. • Safety/Health records and MSDS are maintained. • Firefighting systems are provided in storage area and maintained, to cope with emergency, in case of any fire accident occurring in the premises. Total 13 Nos. of fire extinguishers (DCP/CO2) are installed within the company premises.	➢ **Greenbelt Development** • Greenbelt has been developed as per the guidelines of CPCB, under the supervision of experienced personnel and guidance of local experts. The company has developed greenbelt in about 8500 sq. m. land out of total land of 32300 sq. m. ➢ **Socioeconomic & CSR Activities.** • We are involved in the CSR activities as mentioned in CSR plan for improving the socio-economic condition of the surrounding area and we are also involving local villages and administration for implementing social development plans. • We are involved in eco-developmental measures as well as community welfare measures in our project area for the overall improvement of the environment. ➢ **Occupational Health & Safety** • We are given the training about health & safety to our employees from chemicals handling and we do medical checkup of our employees on regular interval. • Occupational health surveillance of the workers is done on a regular basis and the records (of medical examination report) are maintained as per the Factories Act.

xxiii.	At least 5 % of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan 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 total project cost towards Corporate Social responsibility. We are involved in the social activities under CSR for improving the socio-economic condition of the surrounding area and we are also involved with local villages and administration for their betterment. Till now Rs. 25,20,500.00 has been invested for various social development plans such as: Pradhan Mantri Ujala Yojna Public Toilets 101 Nos. The time bound action plan (with item-wise details) for the unused CSR fund earmarked is enclosed as **Annexure- V** The Corporate Social Responsibility and item-wise details along with time bound action plan is provided as fig. no.90, 91, and 93.
	Fig.No.90: CSR and Item-wise details along with Time bound action plan: 	**Fig.No.91: CSR and Item-wise details along with Time bound action plan:** 

	Fig.No.92: CSR and Item-wise details along with Time bound action plan:  	**Fig.No.93: CSR and Item-wise details along with Five years' Time bound action plan:** 
xxiv.	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.	• We had hired only the local labours during construction phase. Hence this condition is not applicable. • All the construction wastes is properly managed to prevent any impact on the surrounding environment.
B. General Conditions :		
i.	The project authorities shall strictly adhere to the stipulations made by the Daman Diu and Nagar Haveli Pollution Control Committee.	We do comply with the condition. • We regularly monitor all applicable parameters of the utility stack on a monthly basis as per the CC&A issued by the PCC to the existing unit. • Treated effluent form ETP is being tested on monthly bases to conform to the PCC norms as mentioned in Consent. • Ambient Air Quality is also being monitored on monthly bases as per the CPCB guidelines of AAQ monitoring. • The CTO Compliance report and Test report of effluent and Monitoring of Stack, Work place, AAQM are enclosed as **Annexure-I.** The results of Ambient air quality monitoring, Noise Monitoring, Work Place Monitoring and Stack Monitoring are provided as fig.No.94, 95, 96 and 97.

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Fig.No.94: Ambient Air Quality Monitoring Data:

Ambient Air Quality Monitoring Data
For M/s. Beekaylon Synthetics Pvt. Ltd.
By – UniStar Environment and Research Labs Pvt. Ltd.

Period : October - 2017 to March - 2018				Instrument – RDS & FPS		
Location of Monitoring – within company premises				Parameter with Results		
Month/Year	Date of Monitoring	PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
October-17	07/10/17	85	25	15.8	23.4	BDL
November-17	27/11/17	83	26	15.9	22.7	BDL
December-17	09/12/17	80	23	14.7	22.3	BDL
January-18	09/01/18	84	25	17.2	25.6	BDL
February-18	02/02/18	94	33	19.3	23.8	BDL
March-18	05/03/18	87	31	15.6	24.7	BDL
CPCB Standard		100	60	80	80	2.0

Note: Ambient Air quality monitoring is carried out by NABL accredited laboratory M/S UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.

Ranjan Maharaj
(Recognized Govt. Analyst)

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Fig.No.95: Noise Monitoring Data:

Noise Monitoring Data
For M/s. Beekaylon Synthetics Pvt. Ltd.
By – UniStar Environment and Research Labs Pvt. Ltd.

Period : October- 2017 to March- 2018						
Instrument - Sound Level Meter			Location			
Month /Year	Date of Monitoring	Time of Monitoring	Within Company premises Noise Level dB (A) Direction			
			East	West	South	North
October -2017	07/10/17	Day Time	59	66	68	72
		Night Time	54	61	63	66
November-2017	27/11/17	Day Time	62	55	69	66
		Night Time	55	47	63	60
December -2017	09/12/17	Day Time	66	64	72	68
		Night Time	61	59	67	63
January -2018	09/01/18	Day Time	70	62	68	65
		Night Time	65	58	63	60
February-2018	02/02/18	Day Time	66	64	61	71
		Night Time	59	57	50	64
March -2018	05/03/18	Day Time	65	62	59	72
		Night Time	57	55	52	66

NOTE: Permissible Limit CPCB (Day Time): <75 Db(A), Permissible Limit CPCB (Night Time): <70 Db(A), NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.

Ranjan Maharaj
(Recognized Govt. Analyst)

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Fig.No.96: Work Place Air Quality Monitoring Data:

Work Place Air Quality Monitoring Data
For M/s. Beekaylon Synthetics Pvt. Ltd.
By – UniStar Environment and Research Labs Pvt. Ltd.

Period : October-2017 to March-2018			Instrument - RDS	
Month & Year	Date	Location of sampling/Monitoring	Parameter with Results	
			PM_{10} µg/m3	VOC ppm
October-17	07/10/17	Take up area	154	ND
		Dryer area	142	ND
November-17	13/11/17	Take up area	171	ND
		Dryer area	156	ND
December-17	09/12/17	Take up area	209	ND
		Dryer area	180	ND
January-18	09/01/18	Take up area	260	ND
		Dryer area	225	ND
February-18	02/02/18	Take up area	196	ND
		Dryer area	254	ND
March-18	05/03/18	Take up area	167	ND
		Dryer area	181	ND

Note: Work Place Air quality monitoring was carried out by NABL accredited laboratory M/S UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.

Ranjan Maharaj
(Recognized Govt. Analyst)

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Fig.No.97: Stack Monitoring Data:

Stack Monitoring Data
For M/s. Beekaylon Synthetics Pvt. Ltd.
By – UniStar Environment and Research Labs Pvt. Ltd.

Period : October-2017 to March-2018			Instrument – Stack Monitoring Kit, VSS1		
Month & Year	Date	Stack Sampling Attached to	Parameter with Results		
			PM mg/Nm³	SO_2 mg/Nm³	NO_2 mg/Nm³
October-17	07/10/17	D.G. set (1000 KVA)	63	24	20
		Boiler(2 Tons/Hr)	81	19	17
November-17	13/11/17	D.G. set (750 KVA)	47	19	17
		D.G. set (1000 KVA)	58	21	17
		Boiler(2 Tons/Hr)	76	21	16
		D.G. set (750 KVA)	42	16	14
December-17	09/12/17	D.G. set (1000 KVA)	54	24	18
		Boiler(2 Tons/Hr)	86	27	20
		D.G. set (750 KVA)	50	19	16
January-18	09/01/18	D.G. set (1000 KVA)	62	26	23
		Boiler(2 Tons/Hr)	90	29	23
		D.G. set (750 KVA)	54	21	18
February-18	02/02/18	D.G. set (1000 KVA)	59	21	20
		Boiler(2 Tons/Hr)	102	27	20
		D.G. set (750 KVA)	46	19	17
March-18	06/03/18	D.G. set (1000 KVA)	56	19	16
		Boiler(2 Tons/Hr)	94	21	16
		D.G. set (750 KVA)	46	16	14
Specific Value:			<150	<40	<25

NOTE: NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.

Ranjan Maharaj
(Recognized Govt. Analyst)

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<td>ii.</td>
<td>No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.</td>
<td>We undertake that, we shall not carry out any expansion without prior approval of the Ministry of Environment and Forest. There is no deviation/ alternation in the project. Present manufacturing quantity is well within the sanctioned limits for the same.”</td>
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<td>iii.</td>
<td>At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.</td>
<td>Monitoring of stack emission and air quality have been done on regular basis and they are well within the prescribed limits. However in the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not restarted until the desired efficiency has been achieved.</td>
</tr>
<tr>
<td>iv.</td>
<td>The gaseous emission (NO_X and PM) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by</td>
<td>There is no generation any gaseous emission and particulate matter form our process. Hence, this condition is not applicable.</td>
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	the concerned authorities from time to time.	
	At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted unit the control measures are rectified to achieve the desired efficiency. Stack monitoring for SO_2, NO_X and SPM shall be carried.	As there is no any gaseous emission and particulate matter form the process. Hence, this condition is not applicable.
v.	The location of ambient air quality monitoring stations shall be decided in consolation with the UTPCC and it shall be ensured that at least one stations is installed in the up wind and down wind direction as well as where maximum ground level concentrations are anticipated.	The location of ambient air quality monitoring stations is decided in consultation with the UTPCC. The monitoring station is identified as under: One is up wind and on in down wind direction and one as well as one where maximum GLC is anticipated. Ambient Air Quality is being monitored on monthly bases as per the CPCB guidelines of AAQ monitoring (for the parameters as per Consent) The Test report of AAQM are enclosed as **Annexure-I.**
vi.	Decited scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.	This point is not applicable to us, as there is no requirement scrubber and hence not installed.
vii.	The overall noise levels in and around the plant area shall be kept well within the standards 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 (night time).	We regularly monitor noise level in and around the plant area. The noise monitoring test reports of which are enclosed herewith as **Annexure - I.** We have provided noise control measures like acoustic hoods, silencers, enclosures etc. on all sources of noise generation i.e. D G set & boiler room. We ensure that; ambient noise level are well within the permissible limit prescribed under Environment (protection) Act, 1986 Rules,1989 viz. 75 dBA (day time) and 70 dBA (night time). Summary of noise level monitoring is as under; The Summary of noise level monitoring is provided in the Table no.7 mention below:

Table No.7: Noise Monitoring Data

Noise Monitoring Data (Period : October - 2017 to March - 2018)						
Month /Year	**Date of Monitoring**	**Time of Monitoring**	**Within Company premises**			
			Noise Level dB (A)			
			Direction			
			East	**West**	**South**	**North**
October - 2017	07/10/17	Day Time	59	66	68	72
		Night Time	54	61	63	66
November-2017	27/11/17	Day Time	62	55	69	66
		Night Time	55	47	63	60
December - 2017	09/12/17	Day Time	66	64	72	68
		Night Time	61	59	67	63
January - 2018	09/01/18	Day Time	70	62	68	65
		Night Time	65	58	63	60
February-2018	02/02/18	Day Time	66	64	61	71
		Night Time	59	57	50	64
March -2018	05/03/18	Day Time	65	62	59	72
		Night Time	57	55	52	66
NOTE: Permissible Limit CPCB (Day Time): <75 Db(A), Permissible Limit CPCB (Night Time): <70 Db(A)						
Noise monitoring was carried out by NABL accredited laboratory M/S UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.						

viii.	The Project Proponent shall also comply with environmental protection measures and safeguards proposed in the project report submitted to the ministry. All the recommendations made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	• We do comply with all the environmental protection measures and safeguards Proposed in the documents submitted to the Ministry. • The mitigation measures as suggested in the RA report relating to the project are also taken care of and are implemented. • The EIA/EMP & Risk mitigation measure is enclosed as **Annexure – X.** • We are involved in community developmental measures as well as social welfare measures in our project area for the overall improvement of the environment.
	Recommendations made in the EIA/EMP in respect of environmental management	
	➢ **Air pollution Control** • We have provided adequate stack height @ 30 m from the ground level for effective dispersion of flue gaseous during boiler operations. ➢ We have provided Stack height of 11m attached to D.G. Set for dispersion of gaseous emissions. ➢ **Noise** • Acoustic enclosure is provided to abet noise pollution during operation of D.G. Set. • We regularly monitor noise level within the	➢ **Water & wastewater** • Domestic waste water generated is disposed off through septic tank into soak pit. • The industrial effluent generated is treated in in-house ETP having primary, secondary and tertiary treatment facility. • The treated waste water is after conforming to the prescribed standard is used for plantation of greenbelt within premises. ➢ **Rain water harvesting** • We have been installed recharge pit to recharge the ground water through roof top

	premises through NABL accredited laboratory. • We provided the PPEs to all our employees/ workers. And its utilization by them is ensured.	rain water harvesting and storm water drainage.
	➢ **Risk Assessment & Safety Measures** • We have implemented the following safety measures for the employees: • Safety Training is provided to the employees. • Manual call bells in case of emergency are provided. • Emergency Control Room with emergency sirens is established. • Assembly point is provided. • Fire Hydrant System is installed. • Fire Extinguishers are provided. • Mock drills are periodically conducted and factors like response time are evaluated. • Fire squad team is formed for handling any emergency situation & regular training of squad team is conducted. • First Aid Facility and training are provided. • Personal protective gears and equipments are provided to employees. • Health checkup are organized at regular intervals. • Safety/Health records and MSDS are maintained. • Firefighting systems are provided in storage area and maintained, to cope with emergency, in case of any fire accident occurring in the premises. Total 13 Nos. of fire extinguishers (DCP/CO2) are installed within the company premises.	➢ **Greenbelt Development** • Greenbelt has been developed as per the guidelines of CPCB, under the supervision of experienced personnel and guidance of local experts. The company has developed greenbelt in about 8500 sq. m. land out of total land of 32300 sq. m. ➢ **Socioeconomic & CSR Activities.** • We are involved in the CSR activities as mentioned in CSR plan for improving the socio-economic condition of the surrounding area and we are also involving local villages and administration for implementing social development plans. • We are involved in eco-developmental measures as well as community welfare measures in our project area for the overall improvement of the environment. ➢ **Occupational Health & Safety** • We are given the training about health & safety to our employees from chemicals handling and we do medical checkup of our employees on regular interval. • Occupational health surveillance of the workers is done on a regular basis and the records (of medical examination report) are maintained as per the Factories Act.
ix.	The company will undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration.	We are involved in all the activities which are mentioned in CSR for improving the socio-economic condition of the surrounding area and we are also involved with local villages and administration. The copy of CSR activity Report is enclosed as **Annexure V.** The CSR Activity chart is provided in the Table no.8 mention below: The details of activities undertaken & financial details are provided as fig. no. 98, 99, 100, 101 ,102 and 103. Contribution to:

Table No.8: CSR Activity Chart

Sr. No.	CSR Expenses	Amount Paid in Rs. (For the year 2017-2018)
1.	Pradhan Mantri Ujala Yojna	4,50,000.00
2.	Public Toilets 101 Nos.	20,70,500.00
	Total	**25,20,500.00**

Fig.No.98:CSR Activity Certificate



Fig.No.99:CSR Activity Certificate



Fig.No.100:CSR Activity



Fig.No.101:CSR Activity



Fig.No.102:CSR Activity



Fig.No.103:CSR Activity



x.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	We are involved in eco-developmental measures as well as community welfare measures in our project area for the overall improvement of the environment. The measures undertaken as per above point no.-IX.
xi.	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	We have established Environmental Management Cell, and permanently appointed plant-in-charge, environmental manager, operators and chemist with qualification and training in the relevant field. MoEF officer during the visit on dated 30 April 2018 he suggest for Environment executive so We are appoint environment engineer for environmental safety purpose. In-house laboratory has also been set to carry out the monitoring of basic parameters. And also have contracted with MoEF&CC recognized laboratory for conducting the monitoring of other parameters. The Environmental management cell is provided as fig.no.104. The Environment Engineer Appointment letter is provided as fig. No. 105.

Fig.No.104:Environmental management cell

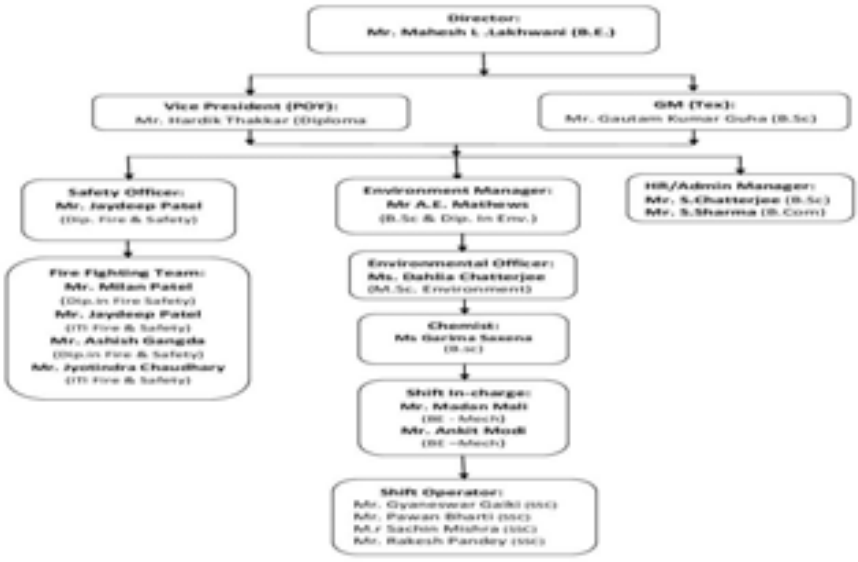


Fig.No.105:Environment Engineer Appointment letter



xii.	The project authorities shall earmark adequate funds 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 conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	We have secured funds for capital investment and Rs. 22.00 Lakhs/Annum as recurring cost to implement and maintain the conditions stipulated by the Ministry of Environment & Forests as well as the State Government. As on Feruary 2018 the recurring cost of EMS is 13, 47,200.00 Lakhs/Annum. The Actual expenses are as under: The said fund is already utilized for the development of environmental management system. The funds provided for EMS is not diverted for any other purposes. The EMS Funds is provided in the Table no.9 mention below:

Table No.9: Funds for EMS

EMS capital expense (actual)		
Sr. No.	Particulars	(Rs. In Lakhs)
1	Environmental Protection measures	22.00
TOTAL		22.00
Recurring Cost/Annum (year-2016-17)		
8.	Environment & Safety Management System	10.00
9.	Greenbelt Maintenance	2.00
10.	Air	54,000.00
11.	Noise	9,600.00
12.	Water	22,,800.00
13.	Flue gas stack monitoring	33,600.00
14.	Health Checkup expenses	0.50
TOTAL		13,47,200.00

xiii.	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the	We are regularly submitting the six monthly compliance reports to Regional Office of the Ministry/UTPCC.

	Ministry/UTPCC/CPCB.	
	A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the company.	We are regularly submitting the status of compliance of the stipulated environmental clearance conditions to the monitoring agencies. The same is also posted in our website. The web link is as under: http://beekaylon.com/reports.html
xiv.	A copy of the clearance letter shall be sent by the proponent to concerned panchayat, Zila Parisad/Municipal Corporation, Urban local body and the local NGO, if any, from who suggestions/representations, if any, were received while processing the proposal.	We have submitted copy of Environmental Clearance to Gram Panchayat, District Panchayat office and PCC. The Acknowledge copy of EC letter is submitted to Gram Panchayat, District Panchayat office and PCC is provided as fig. No. 106, 107 and 108.
	Fig.No.106: Ack Copy of EC letter Submission to Gram panchayat 	**Fig.No.107: Ack Copy of EC letter Submission to District panchayat office** 
	Fig.No.108: Ack Copy of EC letter Submission to PCC 	

xv.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored date (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 State Pollution Control Board.	We are regularly submitting Comprehensive EC compliance report for the period of April to September and October to March to the Ministry's regional office at Bhopal and State pollution Control Board, Daman well within the stipulated date. The Six-Monthly EC Compliance Submission dates for the last three year are as under: 7. Period of Oct.'14 to Mar.'15, Date: 20.10.2015. 8. Period of Apr.'15 to Sept'15, Date: 20.10.2015. 9. Period of Oct.'15 to Mar.'16, Date: 26.05.2016 10. Period of Apr.'16 to Sept.'16, Date: 17.10.2016 11. Period of Oct.'16 to Mar.'17, Date: 05.05.2017 12. Period of Apr.'17 to Sept.'17, Date: 16.11.2017. The Six Monthly EC Compliance Submission Acknowledge copies are provided as fig.no. 109, 110, 111, 112, 113 and 114.
	Fig.No.109:EC Compliance Submission Acknowledge copy 	**Fig.No.110:EC Compliance Submission Acknowledge copy** 

	Fig.No.111:EC Compliance Submission Acknowledge copy 	**Fig.No.112:EC Compliance Submission Acknowledge copy** 
	Fig.No.113:EC Compliance Submission Acknowledge copy 	**Fig.No.114:EC Compliance Submission Acknowledge copy** 
xvi.	The environmental statement for each financial year ending 31st 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 company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Office of MOEF by e-mail.	We are regularly submitting the environmental statement for each financial year ending 31st March in Form-V to the pollution control committee. A acknowledge Copy of the Form - V submission to PCC is enclosed herewith as **Annexure-XIII.** A acknowledge copy of the Form – V is provided as fig.no.115.

		Fig.No.115:Acknowledge Copy of Form-V 
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.	We have already informed to the public by local newspaper 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 http/envfor.nic.in. There was a delay in receiving of hard copy of EC letter, which is received on 13 February 2011 hence advertisement (Public notice) has been made within 7 days of receiving of hard copy of EC letter. The advertisement (Public notice) has been made within 7 days of obtaining environment clearance. A copy of public notice in newspaper jansansar and Daman Ganga Times dated 17 February 2011 is enclosed herewith as **Annexure:-XI.** The public notice is provided as fig.no.116 and 117.

	Fig.No.116:Jansansar.dt.17.02.2011.  	**Fig.No.117: Daman Ganga Times.dt.17.02.2011.** 
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.	• Date of financial closure – 30/04/2011 • The date of final approval of the project from MoEF – 30-12-2010. • Date of start of the Project – 20/04/2011.

For Beekaylon synthetics Pvt.Ltd

(Authorized Signatory)

List of Annexure

No. of Annexure	Name of Annexure
I.	The monitoring test reports (ambient air, Stack & ambient noise monitoring, work place monitoring and treated and untreated water). **(October' 2017 to March'2018)**
II.	Copy of CC&A – compliance report
III.	The copy of water permission letter from Damanganga Canal Distry Dn. No.3, Balitha.
IV.	Copy of Membership of GEPIL
V.	CSR project description
VI.	The annual medical checkup details of employees.
VII.	The employees' safety training records.
VIII.	Acknowledge copy of submitted last six monthly EC Compliance report.
IX.	The receiving copy of letter for submitted copy of EC.
X.	Environment Management Plan
XI.	A copy of Public notices
XII.	Layout of project site showing Greenbelt plan
XIII.	Annual Return Form-V**.**
XIV.	Data Sheet

Annexure-I

- The monthly monitoring reports (Ambient air, workplace monitoring, stack, ambient noise monitoring report (**Oct' 2017 to March'2018**)

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QCI-NABET Accredited EIA Consultant Organization
Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)
OHSAS 18001:2007 Certified Laboratory Management System TNV170529091030I
ISO 9001:2015 Certified Company 170529091030

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	**UERL/17/10/A-009**	**Report Issue Date**	13/10/2017
Service Request form No.:	UERL/AIR/SRF/10/029	**Service Request Date**	07/10/2017
Sample ID No.:	UERL/AIR/ID/A-17/10/009	**Field Data Sheet No.**	UERL/AIR/FDS/A-17/10/009
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara & Nagar Haveli – 396 232.		
Dates of Sampling :	07/10/2017	Date of Testing	08/10/2017
Sampling Procedure:	CPCB Guideline		

Location of Sampling / Monitoring:	**Within Company Premises**									
Environmental Conditions during Sampling :	Temp.:	Min.:	24	°C	Max.:	34	°C	Avg.:	29	°C
	Rel. Humidity:	Min.:	54	%	Max.:	94	%	Avg.:	74	%

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust Sampler	1117-DTC-2008 3355-DTB-2008	21/08/2017	20/08/2018
UERL/AIR/FPS/07	Fine Particulate Sampler	271-DTE-2010	01/09/2017	31/08/2018

➢ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24
2.	Flow Rate of PM_{10}	m^3/min	1.26
3.	Volume of Air Sampled for PM_{10}	m^3	1814
4.	Volume of Air Sampled for $PM_{2.5}$	m^3	24.15
5.	Flow Rate for Gas	L/min	0.2
6.	Volume of Air Sample for Gas	L	288

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)	Test Method
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	85	**100**	IS – 5182, Part - 23
2.	Particulate Matter. ($PM_{2.5}$)	$\mu g/m^3$	25	**60**	CPCB Manual Volume – 1
3.	Sulphur Dioxide	$\mu g/m^3$	15.8	**80**	IS – 5182, Part – 2
4.	Nitrogen Dioxide	$\mu g/m^3$	23.4	**80**	IS – 5182, Part - 6
5.	Carbon Monoxide	mg/m^3	BDL	**2.0**	By using Gas Analyzer

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

Regd. Office : 215, Royal Arcade, Near G.I.D.C.Office, Char Rasta,Vapi-396 195, Gujarat, India.
Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
CIN:U73100GJ2007PTC051463

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Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule II)

OHSAS18001:2007 Certified Laboratory Management System INV1705290910301

ISO 9001:2015 Certified Company 17052909101O9

TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/17/10/W-B5003**	**Report Issue Date:**	13/10/2017
Service Request form No.	UERL/AIR/SRF/10/003	**Service Request Date**	07/10/2017
Sample ID No.	UERL/AIR/ID/W-17/10/003	**Field Data Sheet No.:**	UERL/AIR/FDS/W-17/10/003
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara & Nagar Haveli – 396 232.		
Dates of Sampling	07/10/2017	Date of Testing	08/10/2017
Location of Sampling / Monitoring	**Take-up area**		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/12	Respirable Dust Sampler	1861-DTL-2010	25/10/2016	24/10/2017

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.23
3.	Volume of Air Sampled for PM_{10}	m^3	590

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	154
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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OHSAS18001:2007 Certified Laboratory Management System INV1705290910301
ISO 9001:2015 Certified Company 17052990910102

TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/17/10/W-BS004**	**Report Issue Date:**	13/10/2017
Service Request form No.	UERL/AIR/SRF/10/004	**Service Request Date**	07/10/2017
Sample ID No.	UERL/AIR/ID/W-17/10/004	**Field Data Sheet No.:**	UERL/AIR/FDS/W-17/10/004
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara & Nagar Haveli – 396 232.		
Dates of Sampling	07/10/2017	Date of Testing	08/10/2017
Location of Sampling / Monitoring	**Dryer area**		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/11	Respirable Dust Sampler	1851-DTK-2010	25/10/2016	24/10/2017

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.28
3.	Volume of Air Sampled for PM_{10}	m^3	614

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	142
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

UERL/AIR/F-05/02

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TEST REPORT

(STACK MONITORING)

Test Report No.	**UERL/17/10/S-021**	**Report Issue Date**	13/10/2017
Service Request form No.	UERL/AIR/SRF/10/030	**Service Request Date**	07/10/2017
Sample ID No.	UERL/AIR/ID/S-17/10/021	**Field Data Sheet No.**	UERL/AIR/FDS/S-17/10/021
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara & Nagar Haveli – 396 232.		
Date of Sampling	07/10/2017	Date of Testing	07/10/2017
Stack Sampling Attached to	**Boiler**		
Air Pollution Control Device	Dust Collector		
Fuel Used	Coal		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	500
3.	Stack Area	m^2	0.1962
4.	Ambient Temperature	^0C	33
5.	Flue Gas Temperature	^0C	135
6.	Exit Gas Velocity	m/s	7.72
7.	Exit Gas Flow	m^3/h	5452

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	81	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	19	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	17	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

Regd. Office : 215, Royal Arcade, Near G.I.D.C.Office, Char Rasta,Vapi-396 195, Gujarat, India.
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MoEF&CC (GOI) Recognized Environment Lab, (ISO/IEC 17025) Accredited Laboratory under the Chemical : 12239 Biological : 12240 EPA 1986(12.01.2015 to 11.01.2020) (15.09.2016 to 14.09.2018) | QCI-NABET Accredited EIA Consultant Organization | Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II) | OHSAS18001:2007 Certified Laboratory Management System TNV170529090910301 | ISO 9001:2015 Certified Company 170529090109

TEST REPORT

(STACK MONITORING)

Test Report No.	**UERL/17/10/S-022**	**Report Issue Date**	13/10/2017
Service Request form No.	UERL/AIR/SRF/10/031	**Service Request Date**	07/10/2017
Sample ID No.	UERL/AIR/ID/S-17/10/022	**Field Data Sheet No.**	UERL/AIR/FDS/S-17/10/022
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara & Nagar Haveli – 396 232.		
Date of Sampling	07/10/2017	Date of Testing	07/10/2017
Stack Sampling Attached to	**D. G. Set (1000 KVA)**		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	200
3.	Stack Area	m^2	0.0314
4.	Ambient Temperature	^0C	33
5.	Flue Gas Temperature	^0C	315
6.	Exit Gas Velocity	m/s	22.16
7.	Exit Gas Flow	m^3/h	2504

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	63	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	24	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	20	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

UERL/AIR/F-04/00

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TEST REPORT

(STACK MONITORING)

Test Report No.	**UERL/17/10/S-023**	**Report Issue Date**	13/10/2017
Service Request form No.	UERL/AIR/SRF/10/032	**Service Request Date**	07/10/2017
Sample ID No.	UERL/AIR/ID/S-17/10/023	**Field Data Sheet No.**	UERL/AIR/FDS/S-17/10/023
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara & Nagar Haveli – 396 232.		
Date of Sampling	07/10/2017	Date of Testing	07/10/2017
Stack Sampling Attached to	**D. G. Set (750 KVA)**		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, V551**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	11
2.	Stack Dia	mm	150
3.	Stack Area	m^2	0.0176
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	°C	280
6.	Exit Gas Velocity	m/s	18.38
7.	Exit Gas Flow	m^3/h	1164

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	47	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	19	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	17	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

UERL/AIR/F-04/00

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NOISE LEVEL MONITORING REPORT

Test Report No.:	17/10/N-BS013	Date Of Report:	13/10/2017
Name & Add. Of Industries	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara & Nagar Haveli – 396 232.		
Sampling Method	**CPCB PROTOCOL, JULY 2015**		

➢ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 07-10-2017 at 12:40 Hrs. (Day Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	59	<75 dB(A)
		West	66	<75 dB(A)
		South	68	<75 dB(A)
		North	72	<75 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Checked By

Authorized By

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NOISE LEVEL MONITORING REPORT

Test Report No.:	17/10/N-BS014	Date Of Report:	13/10/2017
Name & Add. Of Industries	M/s. Beekaylon Synthetics Pvt. Ltd. Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara & Nagar Haveli – 396 232.		
Sampling Method	CPCB PROTOCOL, JULY 2015		

➢ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 07-10-2017 at 22:00 Hrs. (Night Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	54	<70 dB(A)
		West	61	<70 dB(A)
		South	63	<70 dB(A)
		North	66	<70 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Checked By

Authorized By

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TEST REPORT

Report No.	UERL /17/10/L-0120	Date Of Report	11/10/2017
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.) Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	ETP Inlet Water Sample	Sample Qty.	1+2 Lit.
Sampling Date	07/10/2017	Sample Received Date	07/10/2017
Sampled By	Us.	Appearance Of Sample	White Colour
Test Started Date	07/10/2017	Test Completion Date	10/10/2017
UERL Lab Sample ID.No. 17/10/L-0120			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	6.17
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	200
	CHEMICAL QUALITY (in mg/L)		
1.	Total Dissolved Solids	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	11693
2.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	112
3.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	40310.4
4.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	14110
5.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	23.0
6.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	141.9
7.	Sulphate (as SO_4)	IS 3025(Part 24)1986	1355

******* End of Report *******

Tested By
(V.A. P.)
(Chemist)

Checked By
(N.B. T.)
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	**UERL /17/10/L-0121**	Date Of Report	**11/10/2017**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.)** Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	**ETP Outlet Water Sample**	Sample Qty.	**1+2 Lit.**
Sampling Date	**07/10/2017**	Sample Received Date	**07/10/2017**
Sampled By	**Us.**	Appearance Of Sample	**Colourless**
Test Started Date	**07/10/2017**	Test Completion Date	**10/10/2017**
UERL Lab Sample ID.No. **17/10/L-0121**			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
	PHYSICAL QUALITY			
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	**6.5 – 9.0**	7.18
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	60
	CHEMICAL QUALITY (in mg/L)			
1.	Total Dissolved Solids	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1028
2.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	**100 Max**	28
3.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	**250 Max**	105.5
4.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	**100 Max**	34
5.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	**10 Max**	N.D. (MDL:4.0)
6.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	155.9
7.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	367.2

Note: N.D. = Not Detectable, **MDL** = Minimum Detection Limit

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

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TEST REPORT

Report No.	**UERL /17/10/L-0122**	Date Of Report	**11/10/2017**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	**ETP Inlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**07/10/2017**	Sample Received Date	**07/10/2017**
Sampled By	**Us.**	Appearance Of Sample	**Dark Brown**
Test Started Date	**07/10/2017**	Test Completion Date	**10/10/2017**
UERL Lab Sample ID.No. **17/10/L-0122**			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H^+B)	7.62
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	>500
	CHEMICAL QUALITY (In mg/L)		
1.	Total Dissolved Solids	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	1328
2.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	124
3.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	1124.0
4.	Biochemical Oxygen Demand (BOD) (3 days at 27 ^{0}C)	IS 3025(Part44)1993, Amd. 1	382
5.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	11.0
6.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	214.2
7.	Sulphate (as SO_4)	IS 3025(Part 24)1986	542.5

******* End of Report *******

Tested By
(C.V.A.P.)
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	**UERL /17/10/L-0123**	Date Of Report	**11/10/2017**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	**ETP Outlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**07/10/2017**	Sample Received Date	**07/10/2017**
Sampled By	**Us.**	Appearance Of Sample	**Light Brown**
Test Started Date	**07/10/2017**	Test Completion Date	**10/10/2017**
UERL Lab Sample ID.No. **17/10/L-0123**			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
	PHYSICAL QUALITY			
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	**6.5 – 9.0**	7.06
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	150
	CHEMICAL QUALITY (In mg/L)			
1.	Total Dissolved Solids	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	912
2.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	**100 Max**	62
3.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	**250 Max**	139.5
4.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	**100 Max**	45
5.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	**10 Max**	N.D.(MDL:4.0)
6.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	118.7
7.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	173.4

Note: N.D. = Not Detectable, **MDL** = Minimum Detection Limit

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

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TEST REPORT

Report No.	**UERL /17/10/L-0124**	Date Of Report	**11/10/2017**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	**Bore well Water Sample**	Sample Qty.	**3 Lit.**
Sampling Date	**07/10/2017**	Sample Received Date	**07/10/2017**
Sampled By	**Us.**	Appearance Of Sample	**Colourless**
Test Started Date	**07/10/2017**	Test Completion Date	**09/10/2017**
UERL Lab Sample ID.No. **17/10/L-0124**			

TEST RESULTS

Sr. No.	Parameters	Test Method	As Per IS 10500:2012		Results
			Desirable Limit	Permissible limit in the Absence of Alternate Source	
	PHYSICAL QUALITY				
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	6.5 – 8.5	6.5 – 8.5	7.41
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	5Max	15 Max.	10
3.	Odour	IS 3025(Part 5)1983	Agreeable	Agreeable	Agreeable
4.	Turbidity (NTU)	IS 3025(Part 10)1984	1 Max	5 Max	0.1
5.	Taste	IS 3025(Part 7)1984	Agreeable	Agreeable	Agreeable
	CHEMICAL QUALITY (In mg/L)				
1.	Total Dissolved Solids	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	500 Max	2000 Max	396
2.	Total Alkalinity	(IS 3025(Part 23)1986, Amd.2)	200 Max	600 Max	269.7
3.	Chloride (as Cl)	IS 3025(Part 32)1988 (APHA 22nd Ed.,2012,4500-Cl)	250 Max	1000 Max	48.9
4.	Sulphate (as SO_4^{-2})	IS 3025(Part 24)1986	200 Max	400 Max	23.7
5.	Nitrate (as NO_3)	(APHA 22nd Ed.,2012,4500 NO3-B)	45 Max	45 Max	1.8
6.	Calcium (as Ca)	(APHA 22nd Ed.,2012,3500 Ca.B)	75 Max	200 Max	77.7
7.	Magnesium (as Mg)	(APHA 22nd Ed.,2012,3500 Mg.B	30 Max	100 Max	27.3
8.	Fluoride (as F)	(APHA 22nd Ed.,2012,4500 F,D)	1.0 Max	1.5 Max	0.44
9.	Iron (as Fe)	IS 3025(Part 53)2003, (APHA 22nd Ed.,2012,3111-B)	0.3 Max	1.0 Max.	0.013
10.	Zinc (as Zn)	IS 3025(Part 49)1994, (APHA 22nd Ed.,2012,3111-B)	5.0 Max	15 Max	0.012
11.	Phenolic Compound as (C_6H_5OH)	(APHA 22nd Ed.,2012,5530-C)	0.001 Max	0.002 Max	N.D.(MDL:0.01)
12.	Residual Chlorine	IS 3025(Part 26)1986, (APHA 22nd Ed.,2012,4500-Cl-B)	0.2 Min	1.0 Min	0.31

Note: Turbidity = 0.1-1.22 NTU, **N.D.** = Not Detectable, **MDL** = Minimum Detection Limit

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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CIN:U73100GJ2007PTC051463

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Accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) as per ISO/IEC 17025:2005 vide Certificate No. TC-4199 dated 17/07/2014 valid up to 16/07/2016 (Scope Enclosed) | Approved by Central Pollution Control Board (CPCB) vide Letter No. B-29016/RMP/Env. Lab/2014/1 dated 14/07/2014 | Accredited by Quality Council of India (QCI) - National Accreditation Board for Certification Bodies (NABCB) vide Certificate No. 0007 valid up to 31/03/2018 | Recognized by Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt. of India vide Notification No. GSR 742(E) dated 25/09/2012 | Certified for ISO 9001:2015 vide Certificate No. 9000/0007

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	UERL/17/11/A-018	Report Issue Date	18/11/2017
Service Request form No.:	UERL/AIR/SRF/11/050	Service Request Date	13/11/2017
Sample ID No.:	UERL/AIR/FDS/A-17/11/018	Field Data Sheet No.	UERL/AIR/FDS/A-17/11/018
Name & Addr. of Customer	M/s. Bookaylon Synthetics Pvt. Ltd. Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village - Mocad - Samarvarni, Silvassa, Dadara & Nagar Haveli - 396 230.		
Date of Sampling :	13/11/2017	Date of Testing	14/11/2017
Sampling Procedure	CPCB Guideline		
Location of Sampling / Monitoring:	Within Company Premises		
Environmental Conditions during Sampling :	Temp.: Min.: 21 °C Max.: 35 °C Avg.: 28 °C		
	Rel. Humidity: Min.: 44 % Max.: 90 % Avg.: 62 %		

➢ Details of Master Instrument Used for Monitoring

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust Sampler	1117 OTC-2008 4435-DTH-2008	21/08/2017	20/08/2018
UERL/AIR/FPS/07	Fine Particulate Sampler	771-DTF-2010	01/09/2017	31/08/2018

➢ General Sampling / Monitoring Observation as per CPCB Guideline

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24
2.	Flow Rate of PM_{10}	m^3/min	1.24
3.	Volume of Air Sampled for PM_{10}	m^3	1785
4.	Volume of Air Sampled for $PM_{2.5}$	m^3	24.03
5.	Flow Rate for Gas	l/min	0.2
6.	Volume of Air Sample for Gas	l	288

➢ Environmental Conditions during testing: Temp.: 25.1 °C, Relative Humidity: 40 to 57%

➢ Test Parameter Results

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)	Test Method
1.	Particulate Matter, (PM_{10})	$\mu g/m^3$	97	100	IS : 5182, Part - 23
2.	Particulate Matter, ($PM_{2.5}$)	$\mu g/m^3$	54	60	CPCB Manual Volume - I
3.	Sulphur Dioxide	$\mu g/m^3$	17.3	80	IS - 5182, Part - 2
4.	Nitrogen Dioxide	$\mu g/m^3$	25.1	80	IS - 5182, Part - 6
5.	Carbon Monoxide	mg/m^3	BDL	2.0	By using Gas Analyzer

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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MoEF&CC (GoI) Recognized Laboratory under EP Act 1986 | NABL Accredited Laboratory | ISO 9001 Accredited EIA Consultant Organization | Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule I) | OHSAS 18001:2007 Certified | ISO 14001:2015 Certified Company

TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	UERL/17/11/W-85005	Report Issue Date:	18/11/2017
Service Request form No.	UERL/AIR/SRF/11/005	Service Request Date	13/11/2017
Sample ID No.	UERL/AIR/ID/W-17/11/005	Field Data Sheet No.:	UERL/AIR/FDS/W-17/11/005
Name & Add. of Customer	M/s. Boukaylon Synthetics Pvt. Ltd. Survey No. 205/1 2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara & Nagar Haveli – 396 230		
Dates of Sampling	13/11/2017	Date of Testing	14/11/2017
Location of Sampling / Monitoring	Take up area		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/12	Respirable Dust Sampler	1863-DTL-2010	25/10/2017	24/10/2018

➤ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.27
3.	Volume of Air Sampled for PM_{10}	m^3	600

➤ **Environmental Conditions during testing** :Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of Measurement	Result
1.	Particulate Matter (PM$_{10}$)	$\mu g/m^3$	171
2.	VOC	ppm	Not Detected

Sampling Done By: (Chemist) / (Supervisor)

Tested By: (Chemist) / (Sr. Chemist)

Authorized By: (Manager - Operations)

UERL/AIR/F 05/02

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Accredited by Central Pollution Control Board (CPCB) vide Recognition No. EPA/RECOG/020/2015 dated 16/06/2015 valid upto 15/06/2018 for Chemical, Biological, Thermal Treatment of Hazardous Waste
Approved by Gujarat Pollution Control Board (GPCB) vide Authorization No. AWMP/GHAZ/1626/BRD/T-II/1/16 dated 15/09/2016 valid upto 14/09/2021
Certified for Occupational Health & Safety Management System OHSAS 18001:2007 vide Certificate No. IND 17 OHS 0000 dated 16/06/2017 valid upto 15/06/2020
Certified for Environmental Management System ISO 14001:2015 vide Certificate No. IND 17 ENV 0000 dated 16/06/2017 valid upto 15/06/2020

TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	UERL/17/11/W-R0006	Report Issue Date:	16/11/2017
Service Request form No.	UERL/AIR/SRF/11/006	Service Request Date	13/11/2017
Sample ID No.	UERL/AIR/ID/W-17/11/006	Field Data Sheet No.:	UERL/AIR/FDS/W-17/11/006
Name & Add. of Customer	M/s. Dunkaylon Synthetics Pvt. Ltd. Survey No. 205/1,2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Sindhavanal, Silvassa, Dadara & Nagar Haveli – 396 230.		
Date of Sampling	14/11/2017	Date of Testing	14/11/2017
Location of Sampling / Monitoring	Dryer area		

➢ Details of Master Instrument Used for Monitoring:

Instrument Id No.	Instrument Name	Serial Number	Call. Date	Next Call. Date
UERL/AIR/ID05/11	Respirable Dust Sampler	1051-DTK 2010	25/10/2017	24/10/2018

➢ General Sampling / Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.27
3.	Volume of Air Sampled for PM_{10}	m^3	580

➢ Environmental Conditions during testing: Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ Test Parameter results

Sr. No.	Test Parameter	Unit of Measurement	Result
1.	Particulate Matter (PM_{10})	µg/m³	156
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager Operations)
9-5-17
UERL/AIR/F-05/02

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Recognized by Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt. of India vide Notification No. S.O. 1030(E) dated 13th April 2009 for the period of 3 years i.e. upto 12th April 2012 vide Notification No. S.O. 1030(E) dated 13th April 2009 for the period of 3 years i.e. upto 12th April 2012 vide Notification No. S.O. 1030(E) dated 13th April 2009 for the period of 3 years i.e. upto 12th April 2012

Accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) as per ISO/IEC 17025:2005 vide certificate No. TC-4001 dated 11th May 2016 valid upto 10th May 2018 vide certificate No. TC-4001 dated 11th May 2016 valid upto 10th May 2018

Recognized by Gujarat Pollution Control Board (Govt. of Gujarat) for Hazardous Waste Incinerator vide Order No. PCB/HWM(H)/Vapi/Incinerator/1 dated 13th April 2009 valid upto 12th April 2012

Global Aggregate Certified (GAC) Certificate No. 1445120829091851 valid upto 29th August 2018

ISO 9001:2015 Certified Company Declaration

TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/17/11/S 033	Report Issue Date	18/11/2017
Service Request form No.	UERL/Air/SR/11/051	Service Request Date	13/11/2017
Sample ID No.	UERL/AIR/ID/S 17/11/033	Field Data Sheet No.	UERL/AIR/FDS/S 17/11/033
Name & Add. of Customer	M/s. Baskaylon Synthetics Pvt. Ltd. Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat Samnavarni, Silvassa, Dadara & Nagar Haveli – 396 232.		
Date of Sampling	13/11/2017	Date of Testing	13/11/2017
Stack Sampling Attached to Air Pollution Control Device	Boiler Dust Collector		
Fuel Used	Coal		

➢ Details of Instrument Used for Monitoring

Instrument Id No.	UERL/Air/SMK/05		
Instrument Name	Stack Monitoring Kit, VSSI	Serial Number	436 Dtd 04
Calibration Date	29/07/2017	Next Calibration Due On	28/07/2018

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	500
3.	Stack Area	m^2	0.1963
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	130
6.	Exit Gas Velocity	m/s	6.86
7.	Exit Gas Flow	m^3/h	4845

➢ Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	Specific Value	Test Method
1	Particulate Matter	mg/Nm^3	76	<150	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	21	<40	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	26	<25	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

UERL/AIR/F 04/00

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Approved by Govt. of Gujarat Recognized Environment Lab (GPCB) Approved by ISO 9001:2008 Certified Lab Accredited by NABL (EPA 1986/17 Dt. 2015 to 31.01.2020) Approved by ISO 14001:2004 Certified Lab Approved by Govt. of Gujarat Recognized Environment Audit Consultant Approved by Govt. of Gujarat Recognized Occupational Audit Consultant Certified by OHSAS 18001:2007 Certified Laboratory Management System Certified by ISO 9001:2015 Certified Company

TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/17/11/S 034	Report Issue Date	18/11/2017
Service Request form No.	UERL/AIR/SRF/11/052	Service Request Date	13/11/2017
Sample ID No.	UERL/AIR/ID/S-17/11/034	Field Data Sheet No.	UERL/AIR/FDS/S-17/11/034
Name & Add. of Customer	M/s. Reekaylon Synthetics Pvt. Ltd. Survey No. 205/1-2 & 207 & Plot No. 60, 67, 68 & 69, Govt. Ind. Estate, Village - Masat – Samarvarni, Silvassa, Dadara & Nagar Haveli - 396 230.		
Date of Sampling	13/11/2017	Date of Testing	13/11/2017
Stack Sampling Attached to	D. G. Set (1000 KVA)		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ Details of Instrument Used for Monitoring:

Instrument Id No.	UERL/AIR/SMK/05		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	430 DTH 08
Calibration Date	27/07/2017	Next Calibration Due On	28/07/2018

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	(Dia)	200
3.	Stack Area	m^2	0.0314
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	110
6.	Exit Gas Velocity	m/s	21.48
7.	Exit Gas Flow	m^3/h	2428

➢ Test Parameter Results

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	58	<150	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	21	<40	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	17	<25	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager Operations)

UERL/AIR/F-04/00

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Accredited by Govt. of India as Environmental Laboratory under the Environment (Protection) Rules, 1986 vide Notification No. GSR 845(E) dated 19th November 2009 | ISO 9001:2008 Certified | Member of Gujarat Pollution Control Board | Member of Gujarat Chamber of Commerce & Industry | Approved by Ministry of Environment & Forest, Govt. of India vide Notification No. GSR 1030(E) dated 26th December 2013 | Recognized by Gujarat Industrial Development Corporation | Recognized by Directorate of Industrial Safety & Health, Gujarat State | Recognized by Gujarat Ecology Commissionerate

TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/17/11/S-035	Report Issue Date	18/11/2017
Service Request form No.	UERL/AIR/SRF/11/053	Service Request Date	13/11/2017
Sample ID No.	UERL/AIR/FDS/S-17/11/035	Field Data Sheet No.	UERL/AIR/FDS/S-17/11/035
Name & Addr. of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 66, Govt. Ind. Estate, Village – Masat Samarvarni, Silvassa, Dadara & Nagar Haveli – 396 230.		
Date of Sampling	13/11/2017	Date of Testing	13/11/2017
Stack Sampling Attached to	D. G. Set (750 KVA)		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ Details of Instrument Used for Monitoring:

Instrument Id No.	UERL/AIR/SMK/05		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	410 DTU 08
Calibration Date	20/07/2017	Next Calibration Due On	20/07/2018

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	11
2.	Stack Dia	mm	150
3.	Stack Area	m^2	0.0176
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	220
6.	Exit Gas Velocity	m/s	17.12
7.	Exit Gas Flow	m^3/h	1084

➢ Test Parameter Results

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	42	<150	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	16	<40	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	14	<25	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

UERL/AIR/F 04/00

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Member of Air Pollution Control Association (India) | Life Member of Indian Chemical Society | Life Member of Indian Environmental Society | Accredited by QCI/NABET for Category A & B Projects | Recognized by CPCB for Functional Area 7 | Approved by Ministry of Environment, Forest & Climate Change, Govt. of India | ISO 9001:2008 Certified | ISO 14001:2004 Certified | OHSAS 18001:2007 Certified

NOISE LEVEL MONITORING REPORT

Test Report No.:	17/11/N 05025	Date Of Report:	18/11/2017
Name & Add. Of Industries	M/s. Bookaylun Synthetics Pvt. Ltd. Survey No. 207/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village Marol Saharvani, Silvassa, Dadara & Nagar Haveli – 396 230		
Sampling Method	CPCB PROTOCOL, JULY 2015		

➢ Details of Instrument Used for Monitoring

Instrument Id No.	Instrument Name	Serial Number	Calli. Date	Next Calli. Date
UERI/AIR/SLM/01A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 13-11-2017 at 11:45 Hrs. (Day Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	62	<75 dB(A)
		West	67	<75 dB(A)
		South	70	<75 dB(A)
		North	71	<75 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Checked By

Authorized By

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NOISE LEVEL MONITORING REPORT

Test Report No.:	17/11/N-05020	Date Of Report:	18/11/2017
Name & Addr. Of Industries	M/s. Huskaylon Synthetics Pvt. Ltd. Survey No. 209/1-2 & 707 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village Masat – Samarvarni, Silvassa, Dadara & Nagar Haveli - 396 232.		
Sampling Method	CPCB PROTOCOL, JULY 2015		

Details of Instrument Used for Monitoring

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UCRL/AIR/SLM/003A	Sound Level Meter	24 011 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 18.11.2017 at 22:00 Hrs. (Night Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	56	<70 dB(A)
		West	62	<70 dB(A)
		South	64	<70 dB(A)
		North	65	<70 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Checked By

Authorized By

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MoEF&CC (GOI) Recognized Environment Laboratory under the Chemical : T-2239 Biological : T-2240 EPA 1986(12.01.2015 to 11.01.2020) (15.09.2016 to 14.09.2018) | NABL (ISO/IEC 17025) Accredited QCI-NABET Accredited EIA Consultant Organization | Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II) | OHSAS18001:2007 Certified Laboratory Management System TNV170529091030I | ISO 9001:2015 Certified Company 170529091030

TEST REPORT

Report No.	UERL /17/11/BSPL-0210	Date Of Report	17/11/2017
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.) Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	ETP Inlet Water Sample	Sample Qty.	2 Lit.
Sampling Date	13/11/2017	Sample Received Date	13/11/2017
Sampled By	Us.	Appearance Of Sample	White Colour
Test Started Date	13/11/2017	Test Completion Date	16/11/2017
UERL Lab Sample ID.No. 17/11/BSPL-0210			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	5.86
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	200
	CHEMICAL QUALITY (In mg/L)		
1.	Total Dissolved Solids	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	9266
2.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	214
3.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	29563.2
4.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	10350
5.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	17.0
6.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	193.3
7.	Sulphate (as SO_4)	IS 3025(Part 24)1986	956

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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Environment and Research Labs Pvt. Ltd.

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MoEF&CC (GOI) Recognized Environment Laboratory under the Chemical : T-2239 Biological : T-2240 EPA 1986(12.01.2015 to 11.01.2020) (15.09.2016 to 14.09.2018) | NABL (ISO/IEC 17025) Accredited Laboratory | QCI-NABET Accredited EIA Consultant Organization | Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II) | OHSAS18001:2007 Certified Laboratory Management System TNV1705290910301 | ISO 9001:2015 Certified Company 17052909101O2

TEST REPORT

Report No.	UERL /17/11/BSPL-0211	Date Of Report	17/11/2017
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.) Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	ETP Outlet Water Sample	Sample Qty.	2 Lit.
Sampling Date	13/11/2017	Sample Received Date	13/11/2017
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	13/11/2017	Test Completion Date	16/11/2017
UERL Lab Sample ID.No. 17/11/BSPL-0211			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
		PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	6.5 – 9.0	7.45
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	80
		CHEMICAL QUALITY (In mg/L)		
1.	Total Dissolved Solids	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1324
2.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	100 Max	52
3.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	250 Max	144.3
4.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	100 Max	46
5.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	10 Max	N.D. (MDL:4.0)
6.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	178.3
7.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	396.1

Note: N.D. = Not Detectable, MDL = Minimum Detection Limit

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	UERL /17/11/BSPL-0212	Date Of Report	17/11/2017
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	ETP Inlet Water Sample	Sample Qty.	2 Lit.
Sampling Date	13/11/2017	Sample Received Date	13/11/2017
Sampled By	Us.	Appearance Of Sample	Dark Brown
Test Started Date	13/11/2017	Test Completion Date	16/11/2017
UERL Lab Sample ID.No. 17/11/BSPL-0212			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	7.78
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	>500
	CHEMICAL QUALITY (In mg/L)		
1.	Total Dissolved Solids	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	1562
2.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	206
3.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	1325.1
4.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	464
5.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	13.0
6.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	253.3
7.	Sulphate (as SO_4)	IS 3025(Part 24)1986	624

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)
OHSAS18001:2007 Certified Laboratory Management System TNV170529091030I
ISO 9001:2015 Certified Company 170529091010Q

TEST REPORT

Report No.	UERL /17/11/BSPL-0213	Date Of Report	17/11/2017
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	ETP Outlet Water Sample	Sample Qty.	2 Lit.
Sampling Date	13/11/2017	Sample Received Date	13/11/2017
Sampled By	Us.	Appearance Of Sample	Light Brown
Test Started Date	13/11/2017	Test Completion Date	16/11/2017
UERL Lab Sample ID.No. 17/11/BSPL-0213			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
		PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	6.5 – 9.0	7.29
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	100
		CHEMICAL QUALITY (In mg/L)		
1.	Total Dissolved Solids	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1096
2.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	100 Max	48
3.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	250 Max	177.4
4.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	100 Max	55
5.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	10 Max	N.D.(MDL:4.0)
6.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	135.5
7.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	201.4

Note: N.D. = Not Detectable, MDL = Minimum Detection Limit

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	UERL /17/11/BSPL-0214	Date Of Report	17/11/2017
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	Bore well Water Sample	Sample Qty.	3 Lit.
Sampling Date	13/11/2017	Sample Received Date	13/11/2017
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	13/11/2017	Test Completion Date	15/11/2017
UERL Lab Sample ID.No. 17/11/BSPL-0214			

TEST RESULTS

Sr. No.	Parameters	Test Method	As Per IS 10500:2012		Results
			Desirable Limit	Permissible limit in the Absence of Alternate Source	
	PHYSICAL QUALITY				
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H^+B)	6.5 – 8.5	6.5 – 8.5	7.33
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	5Max	15 Max.	10
3.	Odour	IS 3025(Part 5)1983	Agreeable	Agreeable	Agreeable
4.	Turbidity (NTU)	IS 3025(Part 10)1984	1 Max	5 Max	0.1
5.	Taste	IS 3025(Part 7)1984	Agreeable	Agreeable	Agreeable
	CHEMICAL QUALITY (In mg/L)				
1.	Total Dissolved Solids	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	500 Max	2000 Max	462
2.	Total Alkalinity	(IS 3025(Part 23)1986, Amd.2)	200 Max	600 Max	242.3
3.	Chloride (as Cl)	IS 3025(Part 32)1988 (APHA 22nd Ed.,2012,4500-Cl)	250 Max	1000 Max	67.8
4.	Sulphate (as SO_4^{-2})	IS 3025(Part 24)1986	200 Max	400 Max	26.6
5.	Nitrate (as NO_3)	(APHA 22nd Ed.,2012,4500 NO3-B)	45 Max	45 Max	3.1
6.	Calcium (as Ca)	(APHA 22nd Ed.,2012,3500 Ca.B)	75 Max	200 Max	80.2
7.	Magnesium (as Mg)	(APHA 22nd Ed.,2012,3500 Mg.B	30 Max	100 Max	29.6
8.	Fluoride (as F)	(APHA 22nd Ed.,2012,4500 F,D)	1.0 Max	1.5 Max	0.59
9.	Iron (as Fe)	IS 3025(Part 53)2003, (APHA 22nd Ed.,2012,3111-B)	0.3 Max	1.0 Max.	0.037
10.	Zinc (as Zn)	IS 3025(Part 49)1994, (APHA 22nd Ed.,2012,3111-B)	5.0 Max	15 Max	0.045
11.	Phenolic Compound as (C_6H_5OH)	(APHA 22nd Ed.,2012,5530-C)	0.001 Max	0.002 Max	N.D.(MDL:0.01)
12.	Residual Chlorine	IS 3025(Part 26)1986, (APHA 22nd Ed.,2012,4500-Cl-B)	0.2 Min	1.0 Min	0.33

Note: Turbidity = 0.1=1.42 NTU, **N.D.** = Not Detectable, **MDL** = Minimum Detection Limit

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	**UERL/17/12/A-009**	**Report Issue Date**	16/12/2017
Service Request form No.:	UERL/AIR/SRF/12/025	**Service Request Date**	09/12/2017
Sample ID No.:	UERL/AIR/ID/A-17/12/009	**Field Data Sheet No.**	UERL/AIR/FDS/A-17/12/009
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Dates of Sampling :	09/12/2017	Date of Testing	11/12/2017
Sampling Procedure:	CPCB Guideline		
Location of Sampling / Monitoring:	**Within Company Premises**		
Environmental Conditions during Sampling :	Temp.:	Min.: 16 °C	Max.: 32 °C	Avg.: 24 °C
	Rel. Humidity:	Min.: 46 %	Max.: 76 %	Avg.: 61 %

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust Sampler	1117-DTC-2008 3355-DTB-2008	21/08/2017	20/08/2018
UERL/AIR/FPS/07	Fine Particulate Sampler	271-DTE-2010	01/09/2017	31/08/2018

➢ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24
2.	Flow Rate of PM_{10}	m^3/min	1.28
3.	Volume of Air Sampled for PM_{10}	m^3	1843
4.	Volume of Air Sampled for $PM_{2.5}$	m^3	24.15
5.	Flow Rate for Gas	L/min	0.2
6.	Volume of Air Sample for Gas	L	288

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)	Test Method
1.	Particulate Matter, (PM_{10})	$\mu g/m^3$	80	**100**	IS – 5182, Part - 23
2.	Particulate Matter, ($PM_{2.5}$)	$\mu g/m^3$	23	**60**	CPCB Manual Volume – 1
3.	Sulphur Dioxide	$\mu g/m^3$	14.7	**80**	IS – 5182, Part – 2
4.	Nitrogen Dioxide	$\mu g/m^3$	22.3	**80**	IS – 5182, Part - 6
5.	Carbon Monoxide	mg/m^3	BDL	**2.0**	By using Gas Analyzer

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/17/12/W-BS003**	**Report Issue Date:**	16/12/2017
Service Request form No.	UERL/AIR/SRF/12/003	**Service Request Date**	09/12/2017
Sample ID No.	UERL/AIR/ID/W-17/12/003	**Field Data Sheet No.:**	UERL/AIR/FDS/W-17/12/003
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate,Village – Masat – Samarvarni, Silvassa, Dadara&Nagar Haveli – 396 232.		
Dates of Sampling	09/12/2017	Date of Testing	11/12/2017
Location of Sampling / Monitoring	Take-up area		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/12	Respirable Dust Sampler	1861-DTL-2010	25/10/2017	24/10/2018

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.24
3.	Volume of Air Sampled for PM_{10}	m^3	595

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter, (PM_{10})	$\mu g/m^3$	209
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

UERL/AIR/F-05/02

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TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/17/12/W-BS004**	**Report Issue Date:**	16/12/2017
Service Request form No.	UERL/AIR/SRF/12/004	**Service Request Date**	09/12/2017
Sample ID No.	UERL/AIR/ID/W-17/12/004	**Field Data Sheet No.:**	UERL/AIR/FDS/W-17/12/004
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate,Village – Masat – Samarvarni, Silvassa, Dadara&Nagar Haveli – 396 232.		
Dates of Sampling	09/12/2017	Date of Testing	11/12/2017
Location of Sampling / Monitoring	Dryer area		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/11	Respirable Dust Sampler	1851-DTK-2010	25/10/2017	24/10/2018

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.28
3.	Volume of Air Sampled for PM_{10}	m^3	614

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	180
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

UERL/AIR/F-05/02

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TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/17/12/S-017**	**Report Issue Date**	16/12/2017
Service Request form No.	UERL/AIR/SRF/12/026	**Service Request Date**	09/12/2017
Sample ID No.	UERL/AIR/ID/S-17/12/017	**Field Data Sheet No.**	UERL/AIR/FDS/S-17/12/017
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	09/12/2017	Date of Testing	09/12/2017
Stack Sampling Attached to	**Boiler**		
Air Pollution Control Device	Dust Collector		
Fuel Used	Coal		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	**436 DTB 08**
Calibration Date	29/07/2017	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	500
3.	Stack Area	m^2	0.1962
4.	Ambient Temperature	^0C	30
5.	Flue Gas Temperature	^0C	140
6.	Exit Gas Velocity	m/s	7.52
7.	Exit Gas Flow	m^3/h	5311

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	86	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	27	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	20	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/17/12/S-018	**Report Issue Date**	16/12/2017
Service Request form No.	UERL/AIR/SRF/12/027	**Service Request Date**	09/12/2017
Sample ID No.	UERL/AIR/ID/S-17/12/018	**Field Data Sheet No.**	UERL/AIR/FDS/S-17/12/018
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	09/12/2017	Date of Testing	09/12/2017
Stack Sampling Attached to	D. G. Set (1000 KVA)		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL/AIR/SMK/05		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	200
3.	Stack Area	m^2	0.0314
4.	Ambient Temperature	^0C	30
5.	Flue Gas Temperature	^0C	325
6.	Exit Gas Velocity	m/s	22.63
7.	Exit Gas Flow	m^3/h	2558

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	54	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	24	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	18	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)
13-12-17

UERL/AIR/F-04/00

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TEST REPORT

(STACK MONITORING)

Test Report No.	**UERL/17/12/S-019**	**Report Issue Date**	16/12/2017
Service Request form No.	UERL/AIR/SRF/12/028	**Service Request Date**	09/12/2017
Sample ID No.	UERL/AIR/ID/S-17/12/019	**Field Data Sheet No.**	UERL/AIR/FDS/S-17/12/019
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	09/12/2017	Date of Testing	09/12/2017
Stack Sampling Attached to	**D. G. Set (750 KVA)**		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	11
2.	Stack Dia	mm	150
3.	Stack Area	m^2	0.0176
4.	Ambient Temperature	^0C	30
5.	Flue Gas Temperature	^0C	283
6.	Exit Gas Velocity	m/s	19.04
7.	Exit Gas Flow	m^3/h	1206

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	50	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	19	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	16	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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NOISE LEVEL MONITORING REPORT

Test Report No.:	**17/12/N-BS013**	**Date Of Report:**	**16/12/2017**
Name & Add. Of Industries	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Sampling Method	**CPCB PROTOCOL, JULY 2015**		

➢ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 09-12-2017 at 12:25 Hrs. (Day Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	66	<75 dB(A)
		West	64	<75 dB(A)
		South	72	<75 dB(A)
		North	68	<75 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Checked By

Authorized By

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NOISE LEVEL MONITORING REPORT

Test Report No.:	17/12/N-B5014	Date Of Report:	16/12/2017
Name & Add. Of Industries	M/s. Beekaylon Synthetics Pvt. Ltd. Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Sampling Method	CPCB PROTOCOL, JULY 2015		

➢ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 09-12-2017 at 22:00 Hrs. (Night Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	61	<70 dB(A)
		West	59	<70 dB(A)
		South	67	<70 dB(A)
		North	63	<70 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Checked By,

Authorized By

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TEST REPORT

Report No.	**UERL /17/12/BSPL-0142**	Date Of Report	**13/12/2017**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.)** Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	**ETP Inlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**09/12/2017**	Sample Received Date	**09/12/2017**
Sampled By	**Us.**	Appearance Of Sample	**White Colour**
Test Started Date	**09/12/2017**	Test Completion Date	**12/12/2017**
UERL Lab Sample ID.No. **17/12/BSPL-0142**			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	5.48
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	150
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	7822
	CHEMICAL QUALITY (In mg/L)		
1.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	168
2.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	18245.3
3.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	6205
4.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	14.0
5.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	232.1
6.	Sulphate (as SO_4)	IS 3025(Part 24)1986	725.5

******* End of Report *******

Tested By :
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F–2/02

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TEST REPORT

Report No.	**UERL /17/12/BSPL-0143**	Date Of Report	**13/12/2017**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.)** Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	**ETP Outlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**09/12/2017**	Sample Received Date	**09/12/2017**
Sampled By	**Us.**	Appearance Of Sample	**Colourless**
Test Started Date	**09/12/2017**	Test Completion Date	**12/12/2017**
UERL Lab Sample ID.No. **17/12/BSPL-0143**			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
	PHYSICAL QUALITY			
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	**6.5 – 9.0**	7.62
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	80
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1562
	CHEMICAL QUALITY (In mg/L)			
1.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	**100 Max**	38
2.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	**250 Max**	182.2
3.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	**100 Max**	55
4.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	**10 Max**	N.D. (MDL:4.0)
5.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	163.2
6.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	344.4

Note: N.D. = Not Detectable, **MDL** = Minimum Detection Limit

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

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TEST REPORT

Report No.	UERL /17/12/BSPL-0144	Date Of Report	13/12/2017
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	ETP Inlet Water Sample	Sample Qty.	2 Lit.
Sampling Date	09/12/2017	Sample Received Date	09/12/2017
Sampled By	Us.	Appearance Of Sample	Dark Brown
Test Started Date	09/12/2017	Test Completion Date	12/12/2017
UERL Lab Sample ID.No. 17/12/BSPL-0144			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	7.93
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	>500
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	1778
	CHEMICAL QUALITY (In mg/L)		
1.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	144
2.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	922.2
3.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	314
4.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	11.0
5.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	296.3
6.	Sulphate (as SO_4)	IS 3025(Part 24)1986	704.5

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	**UERL /17/12/BSPL-0145**	Date Of Report	**13/12/2017**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	**ETP Outlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**09/12/2017**	Sample Received Date	**09/12/2017**
Sampled By	**Us.**	Appearance Of Sample	**Slightly Brown**
Test Started Date	**09/12/2017**	Test Completion Date	**12/12/2017**
UERL Lab Sample ID.No. **17/12/BSPL-0145**			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
	PHYSICAL QUALITY			
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	**6.5 – 9.0**	7.47
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	150
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1326
	CHEMICAL QUALITY (In mg/L)			
1.	Total Suspended Solids	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	**100 Max**	66
2.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	**250 Max**	148.8
3.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	**100 Max**	45
4.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	**10 Max**	N.D.(MDL:4.0)
5.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	186.6
6.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	259.3

Note: N.D. = Not Detectable, **MDL** = Minimum Detection Limit

********* End of Report *********

Tested By
(J.P.D.)
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

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TEST REPORT

Report No.	**UERL /17/12/BSPL-0146**	Date Of Report	**13/12/2017**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	**Bore well Water Sample**	Sample Qty.	**3 Lit.**
Sampling Date	**09/12/2017**	Sample Received Date	**09/12/2017**
Sampled By	**Us.**	Appearance Of Sample	**Colourless**
Test Started Date	**09/12/2017**	Test Completion Date	**11/12/2017**
UERL Lab Sample ID.No. **17/12/BSPL-0146**			

TEST RESULTS

Sr. No.	Parameters	Test Method	As Per IS 10500:2012		Results
			Desirable Limit	Permissible limit in the Absence of Alternate Source	
	PHYSICAL QUALITY				
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	6.5 – 8.5	6.5 – 8.5	7.27
2.	Colour (Pt. Co. Scale)	IS 3025(Part 4)1983	5Max	15 Max.	10
3.	Odour	IS 3025(Part 5)1983	Agreeable	Agreeable	Agreeable
4.	Turbidity (NTU)	IS 3025(Part 10)1984	1 Max	5 Max	0.1
5.	Taste	IS 3025(Part 7)1984	Agreeable	Agreeable	Agreeable
6.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	500 Max	2000 Max	514
	CHEMICAL QUALITY (in mg/L)				
1.	Total Alkalinity	(IS 3025(Part 23)1986, Amd.2)	200 Max	600 Max	230.3
2.	Chloride (as Cl)	IS 3025(Part 32)1988 (APHA 22nd Ed.,2012,4500-Cl)	250 Max	1000 Max	92.3
3.	Sulphate (as SO_4^{-2})	IS 3025(Part 24)1986	200 Max	400 Max	32.2
4.	Nitrate (as NO_3)	(APHA 22nd Ed.,2012,4500 NO3-B)	45 Max	45 Max	4.6
5.	Calcium (as Ca)	(APHA 22nd Ed.,2012,3500 Ca.B)	75 Max	200 Max	84.2
6.	Magnesium (as Mg)	(APHA 22nd Ed.,2012,3500 Mg.B	30 Max	100 Max	33.1
7.	Fluoride (as F)	(APHA 22nd Ed.,2012,4500 F,D)	1.0 Max	1.5 Max	0.78
8.	Iron (as Fe)	IS 3025(Part 53)2003, (APHA 22nd Ed.,2012,3111-B)	0.3 Max	1.0 Max.	0.056
9.	Zinc (as Zn)	IS 3025(Part 49)1994, (APHA 22nd Ed.,2012,3111-B)	5.0 Max	15 Max	0.067
10.	Phenolic Compound as (C_6H_5OH)	(APHA 22nd Ed.,2012,5530-C)	0.001 Max	0.002 Max	N.D.(MDL:0.01)
11.	Residual Chlorine	IS 3025(Part 26)1986, (APHA 22nd Ed.,2012,4500-Cl-B)	0.2 Min	1.0 Min	0.35

Note: Turbidity = 0.1=1.67 NTU, **N.D.** = Not Detectable, **MDL** = Minimum Detection Limit

******* End of Report *******

Tested By (Chemist)

Checked By (Sr. Chemist)

Authorized By (Technical Manager)

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	**UERL/18/01/A-013**		**Report Issue Date**					15/01/2018		
Service Request form No.:	UERL/AIR/SRF/01/035		**Service Request Date**					09/01/2018		
Sample ID No.:	UERL/AIR/ID/A-18/01/013		**Field Data Sheet No.**					UERL/AIR/FDS/A-18/01/013		
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village - Masat - Samarvarni, Silvassa, Dadara& Nagar Haveli - 396 232.									
Dates of Sampling :	09/01/2018		Date of Testing					10/01/2018		
Sampling Procedure:	CPCB Guideline									
Location of Sampling / Monitoring:	**Within Company Premises**									
Environmental Conditions during Sampling :	Temp.:	Min.:	19	^{0}C	Max.:	29	^{0}C	Avg.:	24	^{0}C
	Rel. Humidity:	Min.:	28	%	Max.:	58	%	Avg.:	43	%

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust Sampler	1117-DTC-2008 3355-DTB-2008	21/08/2017	20/08/2018
UERL/AIR/FPS/07	Fine Particulate Sampler	271-DTE-2010	01/09/2017	31/08/2018

➢ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24
2.	Flow Rate of PM_{10}	m^3/min	1.25
3.	Volume of Air Sampled for PM_{10}	m^3	1800
4.	Volume of Air Sampled for $PM_{2.5}$	m^3	24.08
5.	Flow Rate for Gas	L/min	0.2
6.	Volume of Air Sample for Gas	L	288

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 ^{0}C, Relative Humidity: 40 to 52%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)	Test Method
1.	Particulate Matter, (PM_{10})	µg/m^3	84	**100**	IS – 5182, Part - 23
2.	Particulate Matter, ($PM_{2.5}$)	µg/m^3	25	**60**	CPCB Manual Volume – 1
3.	Sulphur Dioxide	µg/m^3	17.2	**80**	IS – 5182, Part – 2
4.	Nitrogen Dioxide	µg/m^3	25.6	**80**	IS – 5182, Part - 6
5.	Carbon Monoxide	mg/m^3	BDL	**2.0**	By using Gas Analyzer

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/18/01/W-BS003**	**Report Issue Date:**	15/01/2018
Service Request Form No.	UERL/AIR/SRF/01/003	**Service Request Date**	09/01/2018
Sample ID No.	UERL/AIR/ID/W-18/01/003	**Field Data Sheet No.:**	UERL/AIR/FDS/W-18/01/003
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate,Village – Masat – Samarvarni, Silvassa, Dadara&Nagar Haveli – 396 232.		
Dates of Sampling	09/01/2018	Date of Testing	10/01/2018
Location of Sampling / Monitoring	**Take-up area**		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/12	Respirable Dust Sampler	1861-DTL-2010	25/10/2017	24/10/2018

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.22
3.	Volume of Air Sampled for PM_{10}	m^3	585

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter. (PM_{10})	µg/m^3	260
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

UERL/AIR/F-05/02

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TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/18/01/W-B5004**	**Report Issue Date:**	15/01/2018
Service Request Form No.	UERL/AIR/SRF/01/004	**Service Request Date**	09/01/2018
Sample ID No.	UERL/AIR/ID/W-18/01/004	**Field Data Sheet No.:**	UERL/AIR/FDS/W-18/01/004
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate,Village – Masat – Samarvarni, Silvassa, Dadara&Nagar Haveli – 396 232.		
Dates of Sampling	09/01/2018	Date of Testing	10/01/2018
Location of Sampling / Monitoring	**Dryer area**		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/11	Respirable Dust Sampler	1851-DTK-2010	25/10/2017	24/10/2018

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.30
3.	Volume of Air Sampled for PM_{10}	m^3	624

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	225
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/01/S-023**	**Report Issue Date**	15/01/2018
Service Request form No.	UERL/AIR/SRF/01/036	**Service Request Date**	09/01/2018
Sample ID No.	UERL/AIR/ID/S-18/01/023	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/01/023
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	09/01/2018	Date of Testing	09/01/2018
Stack Sampling Attached to	**Boiler**		
Air Pollution Control Device	Dust Collector		
Fuel Used	Coal		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, V551**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	500
3.	Stack Area	m^2	0.1962
4.	Ambient Temperature	^0C	29
5.	Flue Gas Temperature	^0C	145
6.	Exit Gas Velocity	m/s	8.34
7.	Exit Gas Flow	m^3/h	5890

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	90	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	29	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	23	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/01/S-024**	**Report Issue Date**	15/01/2018
Service Request form No.	UERL/AIR/SRF/01/037	**Service Request Date**	09/01/2018
Sample ID No.	UERL/AIR/ID/S-18/01/024	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/01/024
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	09/01/2018	Date of Testing	09/01/2018
Stack Sampling Attached to	**D. G. Set (1000 KVA)**		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ Details of Instrument Used for Monitoring

Instrument Id No.	UERL/AIR/SMK/05		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	200
3.	Stack Area	m^2	0.0314
4.	Ambient Temperature	^0C	29
5.	Flue Gas Temperature	^0C	335
6.	Exit Gas Velocity	m/s	24.20
7.	Exit Gas Flow	m^3/h	4277

➢ Test Parameter Results

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	62	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	26	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	23	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

UERL/AIR/F-04/00

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TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/01/S-025**	**Report Issue Date**	15/01/2018
Service Request form No.	UERL/AIR/SRF/01/038	**Service Request Date**	09/01/2018
Sample ID No.	UERL/AIR/ID/S-18/01/025	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/01/025
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	09/01/2018	Date of Testing	09/01/2018
Stack Sampling Attached to	**D. G. Set (750 KVA)**		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	11
2.	Stack Dia	mm	150
3.	Stack Area	m^2	0.0176
4.	Ambient Temperature	°C	29
5.	Flue Gas Temperature	°C	285
6.	Exit Gas Velocity	m/s	19.88
7.	Exit Gas Flow	m^3/h	1259

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	54	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	21	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	18	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	18/01/N-BS017	Date Of Report:	15/01/2018
Name & Add. Of Industries	M/s. Beekaylon Synthetics Pvt. Ltd. Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Sampling Method	CPCB PROTOCOL, JULY 2015		

➢ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Call. Date	Next Call. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 09-01-2018 at 12:15 Hrs. (Day Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	70	<75 dB(A)
		West	62	<75 dB(A)
		South	68	<75 dB(A)
		North	65	<75 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Prepared By

Authorized By

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AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	18/01/N-BS018	Date Of Report:	15/01/2018
Name & Add. Of Industries	M/s. Beekaylon Synthetics Pvt. Ltd. Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Sampling Method	CPCB PROTOCOL, JULY 2015		

➢ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 09-01-2018 at 22:00 Hrs. (Night Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	65	<70 dB(A)
		West	58	<70 dB(A)
		South	63	<70 dB(A)
		North	60	<70 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Prepared By

Authorized By

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TEST REPORT

Report No.	**UERL /18/01/L-0142**	Date Of Report	**13/01/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.)** Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	**ETP Inlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**09/01/2018**	Sample Received Date	**09/01/2018**
Sampled By	**Us.**	Appearance Of Sample	**White Colour**
Test Started Date	**09/01/2018**	Test Completion Date	**12/01/2018**
UERL Lab Sample ID.No. **18/01/L-0142**			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	4.94
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	>500
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	59410
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	288
	CHEMICAL QUALITY (In mg/L)		
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	202404
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	76920
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	79.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	325.6
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	2652

********* End of Report *********

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

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CIN:U73100GJ2007PTC051463

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Environment and Research Labs Pvt. Ltd.

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MoEF&CC (GOI) Recognised Environment Laboratory under the EPA-1986(12.01.2015 to 11.01.2020) | NABL (ISO/IEC 17025) Accredited laboratory Chemical : T-2239 Biological : T-2240 (15.09.2016 to 14.09.2018) | QCI-NABET Accredited EIA Consultant Organization | Gujarat Pollution Control Board (Govt. of Gujarat) Recognised Environmental Auditor (Schedule-II) | OHSAS18001:2007 Certified Laboratory Management System TNV1705290910301 | ISO 9001:2015 Certified Company 170529091010Z

TEST REPORT

Report No.	**UERL /18/01/L-0143**	Date Of Report	**13/01/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.)** Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	**ETP Outlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**09/01/2018**	Sample Received Date	**09/01/2018**
Sampled By	**Us.**	Appearance Of Sample	**Light turbid**
Test Started Date	**09/01/2018**	Test Completion Date	**12/01/2018**
UERL Lab Sample ID.No. **18/01/L-0143**			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
	PHYSICAL QUALITY			
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	**6.5 – 9.0**	7.55
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	100
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1170
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	**100 Max**	34
	CHEMICAL QUALITY (In mg/L)			
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	**250 Max**	236.7
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	**100 Max**	74
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	**10 Max**	7.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	258.8
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	223.1

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	**UERL /18/01/L-0144**	Date Of Report	**13/01/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	**ETP Inlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**09/01/2018**	Sample Received Date	**09/01/2018**
Sampled By	**Us.**	Appearance Of Sample	**Red Colour**
Test Started Date	**09/01/2018**	Test Completion Date	**12/01/2018**
UERL Lab Sample ID.No. **18/01/L-0144**			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H^+B)	8.40
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	>500
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	1272
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	100
	CHEMICAL QUALITY (In mg/L)		
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	1587.2
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	556
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	14.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	195.1
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	763.0

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	**UERL /18/01/L-0145**	Date Of Report	**13/01/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	**ETP Outlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**09/01/2018**	Sample Received Date	**09/01/2018**
Sampled By	**Us.**	Appearance Of Sample	**Slightly Brown**
Test Started Date	**09/01/2018**	Test Completion Date	**12/01/2018**
UERL Lab Sample ID.No. **18/01/L-0145**			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
	PHYSICAL QUALITY			
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	**6.5 – 9.0**	7.81
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	100
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1276
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	**100 Max**	18
	CHEMICAL QUALITY (In mg/L)			
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	**250 Max**	236.5
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	**100 Max**	74
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	**10 Max**	5.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	176.3
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	244.1

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

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TEST REPORT

Report No.	**UERL /18/01/L-0146**	Date Of Report	**13/01/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	**Bore well Water Sample**	Sample Qty.	**3 Lit.**
Sampling Date	**09/01/2018**	Sample Received Date	**09/01/2018**
Sampled By	**Us.**	Appearance Of Sample	**Colourless**
Test Started Date	**09/01/2018**	Test Completion Date	**11/01/2018**
UERL Lab Sample ID.No. **18/01/L-0146**			

TEST RESULTS

Sr. No.	Parameters	Test Method	As Per IS 10500:2012		Results
			Desirable Limit	Permissible limit in the Absence of Alternate Source	
	PHYSICAL QUALITY				
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H^+B)	6.5 – 8.5	6.5 – 8.5	7.87
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	5Max	15 Max.	10
3.	Odour	IS 3025(Part 5)1983	Agreeable	Agreeable	Agreeable
4.	Turbidity (NTU)	IS 3025(Part 10)1984	1 Max	5 Max	0.1
5.	Taste	IS 3025(Part 7)1984	Agreeable	Agreeable	Agreeable
6.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	500 Max	2000 Max	100
	CHEMICAL QUALITY (In mg/L)				
1.	Total Alkalinity	(IS 3025(Part 23)1986, Amd.2)	200 Max	600 Max	102.6
2.	Chloride (as Cl)	IS 3025(Part 32)1988 (APHA 22nd Ed.,2012,4500-Cl)	250 Max	1000 Max	13.7
3.	Sulphate (as SO_4^{-2})	IS 3025(Part 24)1986	200 Max	400 Max	9.6
4.	Nitrate (as NO_3)	(APHA 22nd Ed.,2012,4500 NO3-B)	45 Max	45 Max	1.1
5.	Calcium (as Ca)	(APHA 22nd Ed.,2012,3500 Ca.B)	75 Max	200 Max	15.9
6.	Magnesium (as Mg)	(APHA 22nd Ed.,2012,3500 Mg.B	30 Max	100 Max	7.2
7.	Fluoride (as F)	(APHA 22nd Ed.,2012,4500 F,D)	1.0 Max	1.5 Max	0.23
8.	Iron (as Fe)	IS 3025(Part 53)2003, (APHA 22nd Ed.,2012,3111-B)	0.3 Max	1.0 Max.	0.023
9.	Zinc (as Zn)	IS 3025(Part 49)1994, (APHA 22nd Ed.,2012,3111-B)	5.0 Max	15 Max	0.009
10.	Phenolic Compound as (C_6H_5OH)	(APHA 22nd Ed.,2012,5530-C)	0.001 Max	0.002 Max	N.D.(MDL:0.01)
11.	Free Residual Chlorine	IS 3025(Part 26)1986, (APHA 22nd Ed.,2012,4500-Cl-B)	0.2 Min	1.0 Min	0.28

Note: Turbidity = 0.1=1.39 NTU, **N.D.** = Not Detectable, **MDL** = Minimum Detection Limit

******* End of Report *******

Tested By (Chemist)

Checked By (Sr. Chemist)

Authorized By (Technical Manager)

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MoEF&CC (GOI) Recognized Environment Laboratory under the Chemical : 1.2239 Biological : 1-2240 (MoEF&CC (GOI) Recognized Environment Laboratory under the Chemical : 1.2239 Biological : 1-2240 EPA-1986(12.01.2015 to 11.01.2020) (15.09.2016 to 14.09.2018)) | NABL (ISO/IEC 17025) Accredited Laboratory | QCI-NABET Accredited EIA Consultant Organization | Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II) | OHSAS18001:2007 Certified Laboratory Management System TNV170529091030 1 | ISO 9001:2015 Certified Company 170529091030

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	**UERL/18/02/A-003**		**Report Issue Date**					08/02/2018		
Service Request form No.:	UERL/AIR/SRF/02/007		**Service Request Date**					02/02/2018		
Sample ID No.:	UERL/AIR/ID/A-18/02/003		**Field Data Sheet No.**					UERL/AIR/FDS/A-18/02/003		
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village - Masat - Samarvarni, Silvassa, Dadara& Nagar Haveli - 396 232.									
Dates of Sampling :	02/02/2018		Date of Testing					03/02/2018		
Sampling Procedure:	CPCB Guideline									
Location of Sampling / Monitoring:	**Within Company Premises**									
Environmental Conditions during Sampling :	Temp.:	Min.:	21	^{0}C	Max.:	31	^{0}C	**Avg.:**	26	^{0}C
	Rel. Humidity:	Min.:	38	%	Max.:	60	%	**Avg.:**	49	%

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust Sampler	1117-DTC-2008 3355-DTB-2008	21/08/2017	20/08/2018
UERL/AIR/FPS/07	Fine Particulate Sampler	271-DTE-2010	01/09/2017	31/08/2018

➢ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24
2.	Flow Rate of PM_{10}	m^3/min	1.28
3.	Volume of Air Sampled for PM_{10}	m^3	1843
4.	Volume of Air Sampled for $PM_{2.5}$	m^3	24.14
5.	Flow Rate for Gas	L/min	0.2
6.	Volume of Air Sample for Gas	L	288

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)	Test Method
1.	Particulate Matter. (PM_{10})	µg/m^3	94	**100**	IS – 5182, Part - 23
2.	Particulate Matter. ($PM_{2.5}$)	µg/m^3	33	**60**	CPCB Manual Volume – 1
3.	Sulphur Dioxide	µg/m^3	19.3	**80**	IS – 5182, Part – 2
4.	Nitrogen Dioxide	µg/m^3	23.8	**80**	IS – 5182, Part - 6
5.	Carbon Monoxide	mg/m^3	BDL	**2.0**	By using Gas Analyzer

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/18/02/W-BS001**	**Report Issue Date:**	08/02/2018
Service Request Form No.	UERL/AIR/SRF/02/001	**Service Request Date**	02/02/2018
Sample ID No.	UERL/AIR/ID/W-18/02/001	**Field Data Sheet No.:**	UERL/AIR/FDS/W-18/02/001
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate,Village – Masat – Samarvarni, Silvassa, Dadara&Nagar Haveli – 396 232.		
Dates of Sampling	02/02/2018	Date of Testing	03/02/2018
Location of Sampling / Monitoring	**Take-up area**		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/12	Respirable Dust Sampler	1861-DTL-2010	25/10/2017	24/10/2018

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.29
3.	Volume of Air Sampled for PM_{10}	m^3	619

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	196
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/18/02/W-BS002**	**Report Issue Date:**	08/02/2018
Service Request Form No.	UERL/AIR/SRF/02/002	**Service Request Date**	02/02/2018
Sample ID No.	UERL/AIR/ID/W-18/02/002	**Field Data Sheet No.:**	UERL/AIR/FDS/W-18/02/002
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate,Village – Masat – Samarvarni, Silvassa, Dadara&Nagar Haveli – 396 232.		
Dates of Sampling	02/02/2018	Date of Testing	03/02/2018
Location of Sampling / Monitoring	**Dryer area**		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/11	Respirable Dust Sampler	1851-DTK-2010	25/10/2017	24/10/2018

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.27
3.	Volume of Air Sampled for PM_{10}	m^3	609

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	254
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

Regd. Office : 215, Royal Arcade, Near G.I.D.C.Office, Char Rasta,Vapi-396 195, Gujarat, India.
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GCI-NABET Accredited EIA Consultant Organization
Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)
OHSAS18001:2007 Certified Laboratory Management System TNV170529091030I
ISO 9001:2015 Certified Company 170529091030

TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/02/S-005**	**Report Issue Date**	08/02/2018
Service Request form No.	UERL/AIR/SRF/02/008	**Service Request Date**	02/02/2018
Sample ID No.	UERL/AIR/ID/S-18/02/005	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/02/005
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	02/02/2018	Date of Testing	02/02/2018
Stack Sampling Attached to	**Boiler**		
Air Pollution Control Device	Dust Collector		
Fuel Used	Coal		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	500
3.	Stack Area	m^2	0.1962
4.	Ambient Temperature	^oC	30
5.	Flue Gas Temperature	^oC	150
6.	Exit Gas Velocity	m/s	9.73
7.	Exit Gas Flow	m^3/h	6872

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	102	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	27	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	20	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
CIN:U73100GJ2007PTC051463

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MoEF&CC (GOI) Recognised Environment Lab, (ISO/IEC 17025) Accredited Laboratory Laboratory under the Chemical : T-2239 Biological : T-2240 EPA-1986(12.01.2018 to 11.01.2020) (13.09.2016 to 14.09.2018)
GCI-HABET Accredited EIA Consultant Organization
Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II)
OHSAS18001:2007 Certified Laboratory Management System INV1705290910301
ISO 9001:2015 Certified Company 170529010102

TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/02/S-006**	**Report Issue Date**	08/02/2018
Service Request form No.	UERL/AIR/SRF/02/009	**Service Request Date**	02/02/2018
Sample ID No.	UERL/AIR/ID/S-18/02/006	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/02/006
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	02/02/2018	Date of Testing	02/02/2018
Stack Sampling Attached to	**D. G. Set (1000 KVA)**		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	200
3.	Stack Area	m^2	0.0314
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	345
6.	Exit Gas Velocity	m/s	24.66
7.	Exit Gas Flow	m^3/h	2787

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	59	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	21	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	20	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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MoEF&CC (GOI) Recognised Environment Laboratory under the Chemical : T-2239 Biological : T-2240 EPA 1986(12.01.2018 to 11.01.2020) (15.09.2016 to 14.09.2018)
NABL (ISO/IEC 17025) Accredited Laboratory
QCI-NABET Accredited EIA Consultant Organisation
Gujarat Pollution Control Board (Govt. of Gujarat) Recognised Environmental Auditor (Schedule-II)
OHSAS18001:2007 Certified Laboratory Management System TNV1705290910301
ISO 9001:2015 Certified Company 17052909101O2

TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/02/S-007**	**Report Issue Date**	08/02/2018
Service Request form No.	UERL/AIR/SRF/02/010	**Service Request Date**	02/02/2018
Sample ID No.	UERL/AIR/ID/S-18/02/007	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/02/007
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	02/02/2018	Date of Testing	02/02/2018
Stack Sampling Attached to	**D. G. Set (750 KVA)**		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	11
2.	Stack Dia	mm	150
3.	Stack Area	m^2	0.0176
4.	Ambient Temperature	^oC	30
5.	Flue Gas Temperature	^oC	293
6.	Exit Gas Velocity	m/s	20.73
7.	Exit Gas Flow	m^3/h	1313

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	46	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	19	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	17	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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MoEF&CC (QCI) Recognized Environment Laboratory under the Chemical : 1.2239 Biological : 1.2240 ERA-1986(12.01.2015 to 11.01.2020) | NABL (ISO/IEC 17025) Accredited Laboratory (15.09.2016 to 14.09.2018) | QCI-NABET Accredited EIA Consultant Organization | Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II) | OHSAS18001:2007 Certified Laboratory Management System TNV170529091030I | ISO 9001:2015 Certified Company 170529091030Q

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	18/02/N-005	Date Of Report:	08/02/2018
Name & Add. Of Industries	M/s. Beekaylon Synthetics Pvt. Ltd. Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Sampling Method	CPCB PROTOCOL, JULY 2015		

➢ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 02-02-2018 at 11:45 Hrs. (Day Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	66	<75 dB(A)
		West	64	<75 dB(A)
		South	61	<75 dB(A)
		North	71	<75 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Prepared By

Authorized By

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Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
CIN:U73100GJ2007PTC051463

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AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	18/02/N-006	Date Of Report:	08/02/2018
Name & Add. Of Industries	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Sampling Method	**CPCB PROTOCOL, JULY 2015**		

➢ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 02-02-2018 at 22:00 Hrs. (Night Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	59	<70 dB(A)
		West	57	<70 dB(A)
		South	50	<70 dB(A)
		North	64	<70 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Prepared By

Authorized By

Regd. Office : 215, Royal Arcade, Near G.I.D.C.Office, Char Rasta,Vapi-396 195, Gujarat, India.
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MoEF&CC (GOI) Recognised Environment Laboratory under the EPA-1986(12.01.2015 to 11.01.2020) | NABL (ISO/IEC 17025) Accredited Laboratory Chemical : T-2239 Biological : T-2240 (15.09.2016 to 14.09.2018) | QCI-NABET Accredited EIA Consultant Organization | Gujarat Pollution Control Board (Govt. of Gujarat) Recognised Environmental Auditor (Schedule-II) | OHSAS18001:2007 Certified Laboratory Management System TNV1705290910301 | ISO 9001:2015 Certified Company 1705290910102

TEST REPORT

Report No.	UERL /18/02/BSPL-0026	Date Of Report	06/02/2018
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.) Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	ETP Inlet Water Sample	Sample Qty.	2 Lit.
Sampling Date	02/02/2018	Sample Received Date	02/02/2018
Sampled By	Us.	Appearance Of Sample	White Colour
Test Started Date	02/02/2018	Test Completion Date	05/02/2018
UERL Lab Sample ID.No. **18/02/BSPL-0026**			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	4.71
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	>500
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	38262
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	192
	CHEMICAL QUALITY (In mg/L)		
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	125362.2
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	45130
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	42.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	293.2
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	2214

********* End of Report *********

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

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MoEF&CC (GOI) Recognized Environment Laboratory under the EPA-1986(12.01.2015 to 11.01.2020) | NABL (ISO/IEC 17025) Accredited Laboratory Chemical : T-2239 Biological : T-2240 (15.09.2016 to 14.09.2018) | QCI-NABET Accredited EIA Consultant Organization | Gujarat Pollution Control Board (Govt. of Gujarat) Recognized Environmental Auditor (Schedule-II) | OHSAS18001:2007 Certified Laboratory Management System TNV1705290910301 | ISO 9001:2015 Certified Company 17052909101O2

TEST REPORT

Report No.	**UERL /18/02/BSPL-0027**	Date Of Report	**06/02/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.)** Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	**ETP Outlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**02/02/2018**	Sample Received Date	**02/02/2018**
Sampled By	**Us.**	Appearance Of Sample	**Light turbid**
Test Started Date	**02/02/2018**	Test Completion Date	**05/02/2018**
UERL Lab Sample ID.No. **18/02/BSPL-0027**			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
		PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	**6.5 – 9.0**	7.49
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	80
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1426
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	**100 Max**	54
		CHEMICAL QUALITY (in mg/L)		
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	**250 Max**	183.6
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	**100 Max**	55
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	**10 Max**	5.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	275.1
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	324.5

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

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Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
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TEST REPORT

Report No.	UERL /18/02/BSPL-0028	Date Of Report	06/02/2018
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	ETP Inlet Water Sample	Sample Qty.	2 Lit.
Sampling Date	02/02/2018	Sample Received Date	02/02/2018
Sampled By	Us.	Appearance Of Sample	Red Colour
Test Started Date	02/02/2018	Test Completion Date	05/02/2018
UERL Lab Sample ID.No. 18/02/BSPL-0028			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	8.52
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	>500
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	1562
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	144
	CHEMICAL QUALITY (In mg/L)		
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	1326.2
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	450
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	11.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	263.3
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	844.0

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	**UERL /18/02/BSPL-0029**	Date Of Report	**06/02/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	**ETP Outlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**02/02/2018**	Sample Received Date	**02/02/2018**
Sampled By	**Us.**	Appearance Of Sample	**Slightly Brown**
Test Started Date	**02/02/2018**	Test Completion Date	**05/02/2018**
UERL Lab Sample ID.No. **18/02/BSPL-0028**			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
	PHYSICAL QUALITY			
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	**6.5 – 9.0**	7.63
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	100
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1652
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	**100 Max**	40
	CHEMICAL QUALITY (In mg/L)			
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	**250 Max**	179.3
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	**100 Max**	54
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	**10 Max**	4.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	198.8
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	278.5

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorised By
(Technical Manager)

UERL/CHM/F–2/02

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TEST REPORT

Report No.	UERL /18/02/BSPL-0030	Date Of Report	06/02/2018
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	Bore well Water Sample	Sample Qty.	3 Lit.
Sampling Date	02/02/2018	Sample Received Date	02/02/2018
Sampled By	Us.	Appearance Of Sample	Colourless
Test Started Date	02/02/2018	Test Completion Date	05/02/2018
UERL Lab Sample ID.No. 18/02/BSPL-0030			

TEST RESULTS

Sr. No.	Parameters	Test Method	As Per IS 10500:2012		Results
			Desirable Limit	Permissible limit in the Absence of Alternate Source	
	PHYSICAL QUALITY				
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	6.5 – 8.5	6.5 – 8.5	7.59
2.	Colour (Pt. Co. Scale)	IS 3025(Part 4)1983	5Max	15 Max.	10
3.	Odour	IS 3025(Part 5)1983	Agreeable	Agreeable	Agreeable
4.	Turbidity (NTU)	IS 3025(Part 10)1984	1 Max	5 Max	0.1
5.	Taste	IS 3025(Part 7)1984	Agreeable	Agreeable	Agreeable
6.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	500 Max	2000 Max	142
	CHEMICAL QUALITY (In mg/L)				
1.	Total Alkalinity	(IS 3025(Part 23)1986, Amd.2)	200 Max	600 Max	118.3
2.	Chloride (as Cl)	IS 3025(Part 32)1988 (APHA 22nd Ed.,2012,4500-Cl)	250 Max	1000 Max	17.7
3.	Sulphate (as SO_4^{-2})	IS 3025(Part 24)1986	200 Max	400 Max	12.2
4.	Nitrate (as NO_3)	(APHA 22nd Ed.,2012,4500 NO3-B)	45 Max	45 Max	1.6
5.	Calcium (as Ca)	(APHA 22nd Ed.,2012,3500 Ca.B)	75 Max	200 Max	18.2
6.	Magnesium (as Mg)	(APHA 22nd Ed.,2012,3500 Mg.B	30 Max	100 Max	9.1
7.	Fluoride (as F)	(APHA 22nd Ed.,2012,4500 F,D)	1.0 Max	1.5 Max	0.39
8.	Iron (as Fe)	IS 3025(Part 53)2003, (APHA 22nd Ed.,2012,3111-B)	0.3 Max	1.0 Max.	0.038
9.	Zinc (as Zn)	IS 3025(Part 49)1994, (APHA 22nd Ed.,2012,3111-B)	5.0 Max	15 Max	0.021
10.	Phenolic Compound as (C_6H_5OH)	(APHA 22nd Ed.,2012,5530-C)	0.001 Max	0.002 Max	N.D.(MDL:0.01)
11.	Free Residual Chlorine	IS 3025(Part 26)1986, (APHA 22nd Ed.,2012,4500-Cl-B)	0.2 Min	1.0 Min	0.30

Note: Turbidity = 0.1=1.12 NTU, **N.D.** = Not Detectable, **MDL** = Minimum Detection Limit

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-3/02

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	**UERL/18/03/A-005**	**Report Issue Date**	10/03/2018
Service Request form No.:	UERL/AIR/SRF/03/014	**Service Request Date**	05/03/2018
Sample ID No.:	UERL/AIR/ID/A-18/03/005	**Field Data Sheet No.**	UERL/AIR/FDS/A-18/03/003
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village - Masat - Samarvarni, Silvassa, Dadara& Nagar Haveli - 396 232.		
Dates of Sampling :	05/03/2018	Date of Testing	06/03/2018
Sampling Procedure:	CPCB Guideline		

Location of Sampling / Monitoring:	**Within Company Premises**									
Environmental Conditions during Sampling :	Temp.:	Min.:	28	^{0}C	Max.:	34	^{0}C	**Avg.:**	31	^{0}C
	Rel. Humidity:	Min.:	30	%	Max.:	62	%	**Avg.:**	46	%

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust Sampler	1117-DTC-2008 3355-DTB-2008	21/08/2017	20/08/2018
UERL/AIR/FPS/07	Fine Particulate Sampler	271-DTE-2010	01/09/2017	31/08/2018

➢ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24
2.	Flow Rate of PM_{10}	m^3/min	1.25
3.	Volume of Air Sampled for PM_{10}	m^3	1800
4.	Volume of Air Sampled for $PM_{2.5}$	m^3	24.05
5.	Flow Rate for Gas	L/min	0.2
6.	Volume of Air Sample for Gas	L	288

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)	Test Method
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	87	**100**	IS – 5182, Part - 23
2.	Particulate Matter. ($PM_{2.5}$)	$\mu g/m^3$	31	**60**	CPCB Manual Volume – 1
3.	Sulphur Dioxide	$\mu g/m^3$	15.6	**80**	IS – 5182, Part – 2
4.	Nitrogen Dioxide	$\mu g/m^3$	24.7	**80**	IS – 5182, Part - 6
5.	Carbon Monoxide	mg/m^3	BDL	**2.0**	By using Gas Analyzer

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/18/03/W-BS001**	**Report Issue Date:**	10/03/2018
Service Request Form No.	UERL/AIR/SRF/03/001	**Service Request Date**	05/03/2018
Sample ID No.	UERL/AIR/ID/W-18/03/001	**Field Data Sheet No.:**	UERL/AIR/FDS/W-18/03/001
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate,Village – Masat – Samarvarni, Silvassa, Dadara&Nagar Haveli – 396 232.		
Dates of Sampling	05/03/2018	Date of Testing	06/03/2018
Location of Sampling / Monitoring	**Take-up area**		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/12	Respirable Dust Sampler	1861-DTL-2010	25/10/2017	24/10/2018

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.22
3.	Volume of Air Sampled for PM_{10}	m^3	585

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	167
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

UERL/AIR/F-05/02

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TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/18/03/W-BS002**	**Report Issue Date:**	10/03/2018
Service Request Form No.	UERL/AIR/SRF/03/002	**Service Request Date**	05/03/2018
Sample ID No.	UERL/AIR/ID/W-18/03/002	**Field Data Sheet No.:**	UERL/AIR/FDS/W-18/03/002
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate,Village – Masat – Samarvarni, Silvassa, Dadara&Nagar Haveli – 396 232.		
Dates of Sampling	05/03/2018	Date of Testing	06/03/2018
Location of Sampling / Monitoring	**Dryer area**		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/11	Respirable Dust Sampler	1851-DTK-2010	25/10/2017	24/10/2018

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.24
3.	Volume of Air Sampled for PM_{10}	m^3	595

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	181
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/03/S-010**	**Report Issue Date**	10/03/2018
Service Request form No.	UERL/AIR/SRF/03/015	**Service Request Date**	05/03/2018
Sample ID No.	UERL/AIR/ID/S-18/03/010	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/03/010
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	06/03/2018	Date of Testing	06/03/2018
Stack Sampling Attached to	**Boiler**		
Air Pollution Control Device	Dust Collector		
Fuel Used	Coal		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	500
3.	Stack Area	m^2	0.1962
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	140
6.	Exit Gas Velocity	m/s	8.69
7.	Exit Gas Flow	m^3/h	6137

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	94	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	21	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	16	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)
6-3-18

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TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/03/S-011**	**Report Issue Date**	10/03/2018
Service Request form No.	UERL/AIR/SRF/03/016	**Service Request Date**	05/03/2018
Sample ID No.	UERL/AIR/ID/S-18/03/011	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/03/011
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	06/03/2018	Date of Testing	06/03/2018
Stack Sampling Attached to	**D. G. Set (1000 KVA)**		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	200
3.	Stack Area	m^2	0.0314
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	335
6.	Exit Gas Velocity	m/s	22.63
7.	Exit Gas Flow	m^3/h	2558

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	56	<150	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	19	<40	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	16	<25	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/03/S-012**	**Report Issue Date**	10/03/2018
Service Request form No.	UERL/AIR/SRF/03/017	**Service Request Date**	05/03/2018
Sample ID No.	UERL/AIR/ID/S-18/03/012	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/03/012
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	06/03/2018	Date of Testing	06/03/2018
Stack Sampling Attached to	**D. G. Set (750 KVA)**		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	11
2.	Stack Dia	mm	150
3.	Stack Area	m^2	0.0176
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	285
6.	Exit Gas Velocity	m/s	20.19
7.	Exit Gas Flow	m^3/h	1279

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	46	<150	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	16	<40	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	14	<25	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	18/03/N-007	Date Of Report:	10/03/2018
Name & Add. Of Industries	M/s. Beekaylon Synthetics Pvt. Ltd. Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Sampling Method	IS : 9989 : 1981		

➢ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 05-03-2018 at 12:15 Hrs. (Day Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	65	<75 dB(A)
		West	62	<75 dB(A)
		South	59	<75 dB(A)
		North	72	<75 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Prepared By

Authorized By

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AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	18/03/N-008	Date Of Report:	10/03/2018
Name & Add. Of Industries	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Sampling Method	**IS : 9989 : 1981**		

➢ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 05-03-2018 at 22:00 Hrs. (Night Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	57	<70 dB(A)
		West	55	<70 dB(A)
		South	52	<70 dB(A)
		North	66	<70 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Prepared By

Authorized By

UERL/AIR/F-18/00

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TEST REPORT

Report No.	**UERL /18/03/BSPL-0072**	Date Of Report	**09/03/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.)** Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	**ETP Inlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**05/03/2018**	Sample Received Date	**05/03/2018**
Sampled By	**Us.**	Appearance Of Sample	**White Colour**
Test Started Date	**05/03/2018**	Test Completion Date	**08/03/2018**
UERL Lab Sample ID.No. **18/03/BSPL-0072**			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	4.26
2.	Colour (Pt. Co. Scale)	IS 3025(Part 4)1983	>500
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	30242
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	286
	CHEMICAL QUALITY (In mg/L)		
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	85626.3
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	30825
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	29.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	466.1
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	1758

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F–2/02

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Vapi-396 195, Gujarat, India.
Phone : +91 260 2433966 / 2425610
Email : response@uerl.in Website : www.uerl.in

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TEST REPORT

Report No.	**UERL /18/03/BSPL-0073**	Date Of Report	**09/03/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.)** Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	**ETP Outlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**05/03/2018**	Sample Received Date	**05/03/2018**
Sampled By	**Us.**	Appearance Of Sample	**Light turbid**
Test Started Date	**05/03/2018**	Test Completion Date	**08/03/2018**
UERL Lab Sample ID.No. **18/03/BSPL-0073**			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
	PHYSICAL QUALITY			
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	**6.5 – 9.0**	7.58
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	80
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1656
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	**100 Max**	38
	CHEMICAL QUALITY (In mg/L)			
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	**250 Max**	155.5
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	**100 Max**	48
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	**10 Max**	4.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	306.3
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	412.2

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

UniStar
Environment and Research Labs Pvt. Ltd.

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TEST REPORT

Report No.	UERL /18/03/BSPL-0074	Date Of Report	09/03/2018
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	ETP Inlet Water Sample	Sample Qty.	2 Lit.
Sampling Date	05/03/2018	Sample Received Date	05/03/2018
Sampled By	Us.	Appearance Of Sample	Red Colour
Test Started Date	05/03/2018	Test Completion Date	08/03/2018
UERL Lab Sample ID.No. 18/03/BSPL-0074			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	8.71
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	>500
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	1768
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	214
	CHEMICAL QUALITY (In mg/L)		
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	1026.3
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	360
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	9.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	289.1
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	875.5

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	UERL /18/03/BSPL-0075	Date Of Report	09/03/2018
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	ETP Outlet Water Sample	Sample Qty.	2 Lit.
Sampling Date	05/03/2018	Sample Received Date	05/03/2018
Sampled By	Us.	Appearance Of Sample	Slightly Brown
Test Started Date	05/03/2018	Test Completion Date	08/03/2018
UERL Lab Sample ID.No. 18/03/BSPL-0075			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
		PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	6.5 – 9.0	7.77
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	100
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1908
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	100 Max	68
		CHEMICAL QUALITY (In mg/L)		
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	250 Max	203.3
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	100 Max	64
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	10 Max	5.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	247.7
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	324.5

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	**UERL /18/03/BSPL-0076**	Date Of Report	**09/03/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	**Bore well Water Sample**	Sample Qty.	**3 Lit.**
Sampling Date	**05/03/2018**	Sample Received Date	**05/03/2018**
Sampled By	**Us.**	Appearance Of Sample	**Colourless**
Test Started Date	**05/03/2018**	Test Completion Date	**08/03/2018**
UERL Lab Sample ID.No. **18/03/BSPL-0076**			

TEST RESULTS

Sr. No.	Parameters	Test Method	As Per IS 10500:2012		Results
			Desirable Limit	Permissible limit in the Absence of Alternate Source	
	PHYSICAL QUALITY				
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	6.5 – 8.5	6.5 – 8.5	7.45
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	5Max	15 Max.	10
3.	Odour	IS 3025(Part 5)1983	Agreeable	Agreeable	Agreeable
4.	Turbidity (NTU)	IS 3025(Part 10)1984	1 Max	5 Max	0.1
5.	Taste	IS 3025(Part 7)1984	Agreeable	Agreeable	Agreeable
6.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	500 Max	2000 Max	204
	CHEMICAL QUALITY (In mg/L)				
1.	Total Alkalinity	(IS 3025(Part 23)1986, Amd.2)	200 Max	600 Max	135.7
2.	Chloride (as Cl)	IS 3025(Part 32)1988 (APHA 22nd Ed.,2012,4500-Cl)	250 Max	1000 Max	23.3
3.	Sulphate (as SO_4^{-2})	IS 3025(Part 24)1986	200 Max	400 Max	14.7
4.	Nitrate (as NO_3)	(APHA 22nd Ed.,2012,4500 NO3-B)	45 Max	45 Max	1.1
5.	Calcium (as Ca)	(APHA 22nd Ed.,2012,3500 Ca.B)	75 Max	200 Max	28.1
6.	Magnesium (as Mg)	(APHA 22nd Ed.,2012,3500 Mg.B	30 Max	100 Max	16.0
7.	Fluoride (as F)	(APHA 22nd Ed.,2012,4500 F,D)	1.0 Max	1.5 Max	0.52
8.	Iron (as Fe)	IS 3025(Part 53)2003, (APHA 22nd Ed.,2012,3111-B)	0.3 Max	1.0 Max.	0.059
9.	Zinc (as Zn)	IS 3025(Part 49)1994, (APHA 22nd Ed.,2012,3111-B)	5.0 Max	15 Max	0.036
10.	Phenolic Compound as (C_6H_5OH)	(APHA 22nd Ed.,2012,5530-C)	0.001 Max	0.002 Max	N.D.(MDL:0.01)
11.	Free Residual Chlorine	IS 3025(Part 26)1986, (APHA 22nd Ed.,2012,4500-Cl-B)	0.2 Min	1.0 Min	0.32

Note: Turbidity = 0.1=2.05 NTU, **N.D.** = Not Detectable, **MDL** = Minimum Detection Limit

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

Annexure-II

- Copy Consent Compliance report.

प्रदुषण नियंत्रण समिति
Pollution Control Committee
दमण एवं दीव तथा दा.न.ह.
Daman & Diu and Dadra Nagar Haveli
1st Floor, Udyog Bhavan, Bhensiore, Nani Daman.

2131
212

CATEGORY-II (RENEWAL)

Consent order No. PCC/DDD/G-4380/WA/AA/MA/10-11/482 Date :- 17/07/17

In exercise of the powers delegated to the Pollution Control Committee, Daman, Diu and Dadra & Nagar Haveli by the Central Pollution Control Board vide notification No.B-12015/7/92 published in the gazette of India No.746 dated 26/11/1992 and administration order No.45/1(1)/92-F&E/4700 dated 8/2/1993, the consent is hereby granted under Section 25, Sub section (1) & (2) of Water (Prevention & Control of Pollution) Amended Act, 1988and under Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules and orders made there under to manufacture below mentioned products at the below mentioned address subjected to the following terms and conditions.

Consent is granted to:
M/s Beekaylon Synthetics Pvt. Ltd.,
Sr. No. 205/1-2 & 207, Plot No. 60, 62, 64 & 65,
Govt. Industrial Estate, Village Masat, Silvassa.

1. The Consent to **Renewal** is granted for a period up to **31/03/2018**

2. The Consent is valid for the manufacture of following items

Sr. No.	Product	Maximum Production Quantity
1.	Man made fibers-Polyester Oriented Yarn (POY)/Fully Drawn Yarn (FDY) using raw material ready POY chips as back ward integration to their existing unit	31,500 MT/Year
2.	Polyester texturised/twisted yarn	24,960 MT/Year

3. Conditions under Water Act:

3.1 The daily quantity of trade effluent from the factory shall not exceed 15.0 KLD.

3.2 The daily quantity of sewage from the factory shall not exceed 14.0 KLD.

3.3 Trade Effluent: The quality of the treated effluent as per PCC norms mentioned below.

(1)	pH	Between	6.5-9.0
(2)	Suspended Solids	Not to exceed	100 mg/lit.
(3)	BOD, 3 days, 27°C	Not to exceed	100 mg/lit.
(4)	C.O.D.	Not to exceed	250 mg/lit.
(5)	Oil & Grease	Not to exceed	10 mg/lit.
(6)	Other specific parameters		

3.4 Trade Effluent Disposal Outlet Conditions: Industry shall not discharge treated effluent out side factory premises. The treated effluent shall be reused/recycled or used for plantation/gardening within the factory premises:

3.5 Sewage Treatment. - Domestic effluent shall be disposed off through septic tank/soak pit system to conform to the following standards.

BOD (5 days at 20^0 C)	less than 20 mg/l
Suspended solids	less than 30 mg/l
Residual Chlorine	minimum 0.5 mg/l

3.6 The unit shall operate effluent treatment plant efficiently so that the treated effluent shall meet PCC norms.

3.7 The unit shall comply all the specific and general conditions stipulated in the Environmental Clearance issued by Govt. of India vide letter dated 30/12/2010.

3.8 Hazardous waste generated shall be dispose to TSDF only.

3.9 Treated water shall be used for gardening within the factory premises.

3.10 The unit shall maintain records of the energy meter and shall submit copy of the same to PCC yearly.

3.11 The unit is not permitted to manufacture or start the expansion production capacity or the additional products till valid Consent is obtained under Water Act and Air Act for Extension/Operate.

3.12 The unit shall submit the analysis report of stack monitoring and ambient air monitoring and D.G. Set noise monitoring report every quarterly.

3.13 The unit shall remove extra D.G. Set which are not in use or operational without PCC Consent except the one obtained valid Renewal Consent under Air Act.

3.14 D.G. Set is permitted as stand by arrangement only.

3.15 The unit shall obtain valid Consent to Operate under Air Act and submit to PCC.

4. Conditions under Air Act:

4.1 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder:

Parameter	**Permissible Limit**
Particulate Matter(size less than 10μm) or PM_{10} $\mu g/m^3$	100 (24 hours average)
Particulate Matter(size less than2.5μm) or $PM_{2.5}$ $\mu g/m^3$	60 (24 hours average)
Oxides of Nitrogen(NO_2) $\mu g/m^3$	80 (24 hours average)
Oxides of Sulphur (SO_2) $\mu g/m^3$	80 (24 hours average)

4.2 The applicant shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirements for monitoring the air emissions and the same shall be open for inspection and use by the committees staff. The chimney/stacks attached to various sources of emission shall be designated by numbers such as S-1, S-2 etc and these shall be painted/displayed to facilitate identification.

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 the Pollution Control Committee.

5.2 If at any time, it is observed that effluent fails to confirm to the limits prescribed, consent will be withdrawn prohibiting the industry to manufacture either existing or new products.

5.3 The applicant shall submit separate application for obtaining Consent for Operation/Renewal under Water (Prevention and Control of Pollution) Act, 1974, before 30 days of expiry of validity period of Consent.

5.4 The industry shall comply with Water (Prevention and Control of Pollution) Cess Act, 1977, and submit monthly Cess returns as contemplated in the Act, in the prescribed form.

5.5 The applicant shall comply with the notified standards under Environment (Protection) Act, 1986.

5.6 This consent is further subject to green up the surrounding area inside and outside the unit/factory.

5.7 In case of change process/installation, which is likely to have discharge/an emission a separate application shall be made.

5.8 In case of failure to comply with any of the consent conditions, the consent order issue to you stands automatically revoked without any notice on this behalf.

5.9 This consent is granted to establish and operate DG Set as a standby arrangement only and not as a captive power generation unit.

6.0 Applicant shall also comply with the general conditions given in annexure I & II.

Member Secretary
Pollution Control Committee
Daman, Diu and Dadra & Nagar Haveli
Daman

The Consent is valid for the manufacture of following items

Sr. No.	Product	Maximum Production Quantity
1.	Man made fibers-Polyester Oriented Yarn (POY)/Fully Drawn Yarn (FDY) using raw material ready POY chips as back ward integration to their existing unit	31,500 MT/Year
2.	Polyester texturised/twisted yarn	24,960 MT/Year

Copy to.

1. SWIFT, Silvassa.
2. Guard file.
3. M/s Beekaylon Synthetics Pvt. Ltd.,
   Sr. No. 205/1-2 & 207, Plot No. 60, 62, 64 & 65, Govt. Industrial Estate,
   Village Masat, Silvassa.

CONSENT TO RENEWAL

COMPLIANCE REPORT OF CONSENT TO RENEWAL

For Water (Prevention and Control of Pollution) Amendment Act –1988, Air (Prevention and Control of Pollution) Amendment Act – 1981:

LIST OF PRODUCTS & PRODUCTION CAPACITY PER YEAR AS PER CONSET TO RENEWAL:

<table>
<tr><td colspan="3">Compliance of conditions under Water Act :
Order Ref. No. of Water Act: PCC/DDD/G-4380/WA/AA/MA/10-11/482 Date: 17.07.2017.</td></tr>
<tr><td>Sr. No.</td><td>CONDITION</td><td>COMPLIANCE REPORT</td></tr>
<tr><td>1.</td><td>This consent is valid up to</td><td>31-03-2018</td></tr>
<tr><td>2.</td><td colspan="2">The consent is valid for the manufacture of following items</td></tr>
<tr><td>Sr.No.</td><td>Name of the Product</td><td>Production Capacity</td></tr>
<tr><td>1</td><td>Man made fiber-Polyester Oriented yarn (POY)/Fully Drawn Yarn (FDY) using raw material ready POY chips as back ward integration to their existing unit.</td><td>31,500 MT/Year</td></tr>
<tr><td>2</td><td>Polyester texturised/twised yarn</td><td>24,960 MT/Year</td></tr>
<tr><td colspan="3">3. Condition under Water Act:</td></tr>
<tr><td>3.1</td><td>The daily quantity of trade effluent from the factory shall not exceed 15.0 KLD.</td><td>Unit water requirement is 15.00 KLD only. We shall not exceed the quantity of tread effluent more than 15.0 KLD.</td></tr>
<tr><td>3.2</td><td>The daily quantity of Sewage from the factory shall not exceed 14.0 KLD.</td><td>Domestic waste water generation is below 14 m3/day (max.) is which is being disposed off through septic tank into soak pit.</td></tr>
<tr><td>3.3</td><td>Trade Effluent: The quantity of the treated effluent as per PCC norms mentioned below.
<table>
<tr><td>(1)</td><td>pH</td><td>Between</td></tr>
<tr><td>(2)</td><td>Suspended Solids</td><td>Not to exceed</td></tr>
<tr><td>(3)</td><td>BOD, 3 days, 27^{o}C</td><td>Not to exceed</td></tr>
<tr><td>(4)</td><td>C.O.D.</td><td>Not to exceed</td></tr>
<tr><td>(5)</td><td>Oil & Grease</td><td>Not to exceed</td></tr>
<tr><td>(6)</td><td>Other specific parameters</td><td>Not to exceed</td></tr>
</table></td><td>The trade effluent generated is treated in in-house ETP having primary, secondary and tertiary treatment facility. The treated effluent is meet PCC norms.
The existing treated effluent Test repot is enclosed as Annexure-I.
the results of treated effluent test results are provided in condition no.3.6 in the Table no.1 & 2 mention below:</td></tr>
<tr><td>3.4</td><td>Trade Effluent Disposal Outlet conditions: industry shall not discharge treated effluent outside factory premises. The treated effluent shall be reused/recycled or used for plantation/gardening within the factory premises:</td><td>The industrial effluent generated is treated in in-house ETP having primary, secondary and tertiary treatment facility.
The treated waste water is after conforming to the prescribed standard is used for plantation of greenbelt within premises.
The untreated and treated effluent test report is enclosed as Annexure-I..</td></tr>
<tr><td>3.5</td><td>Sewage treatment – domestic effluent shall be disposed off through septic tank/soak pit system to conform to the following standards.</td><td>Sewage treatment-Domestic effluent is disposed off through Septic tank/Soak-pit system after confirming to the standards as mentioned in the consent.</td></tr>
<tr><td>3.6</td><td>The unit shall operate effluent treatment plant efficiently so that the treated effluent shall meet</td><td>The industrial effluent generated is treated in in-house ETP having primary, secondary and tertiary</td></tr>
</table>

	PCC norms.	treatment facility. The treated effluent is meet PCC norms. The existing treated effluent Test repot is enclosed as **Annexure-I.** the results of treated effluent test results are provided in the Table no.1 & 2 mention below:

Table No.1 Water Quality Monitoring Data (POY Div.)

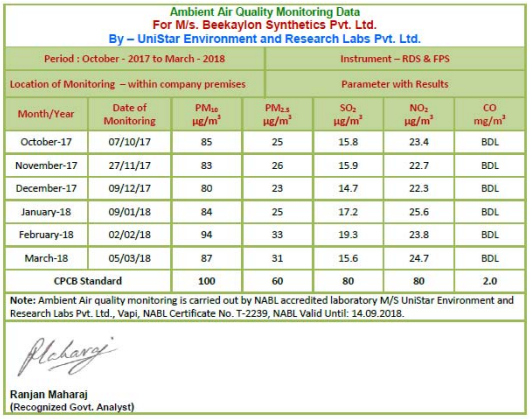
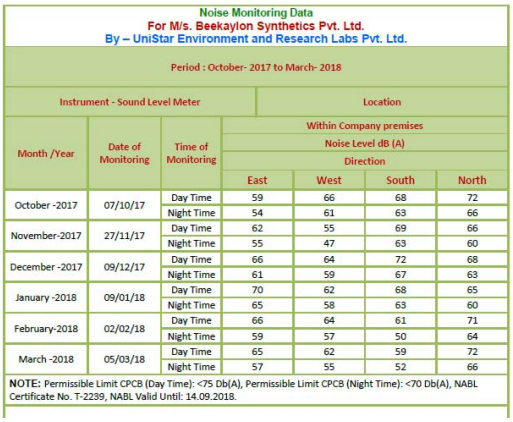
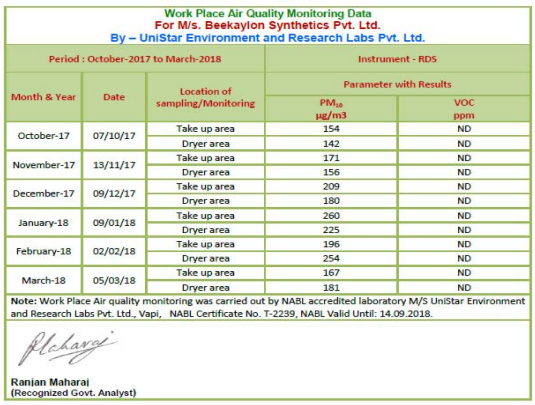
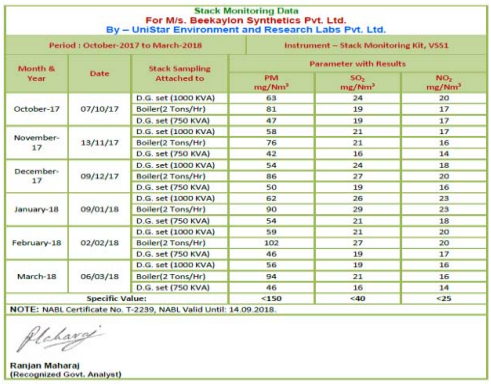
Water Quality Monitoring Data (POY Div.)								
Appearance of sample : Colorless			Treated Water Sample					
Sr. No.	Test Parameters	P.C.C Limit	Month/Year (Period: October - 2017 to March-2018)					
			Oct-2017	Nov-2017	Dec-2018	Jan-2018	Feb-2018	March-2018
			Date of Sampling					
			07/10/2017	13/11/2017	09/12/2017	09/01/2018	02/02/2018	05/03/2018
1.	pH at 25^{o}C	6.5 – 9.0	7.18	7.45	7.62	7.55	7.49	7.58
2.	Colour (Pt. Co. Scale)	--	60	80	80	100	80	80
3.	Total Dissolved Solids	--	1028	1324	1562	1170	1426	1656
4.	Total Suspended Solids	100 Max	28	52	38	34	54	38
5.	Chemical Oxygen Demand (COD)	250 Max	105.5	144.3	182.2	236.7	183.6	155.5
6.	Biochemical Oxygen Demand (BOD)	100 Max	34	46	55	74	55	48
7.	Oil & Grease	10 Max	N.D	N.D	N.D	7.0	5.0	4.0
8.	Chloride (as Cl)	--	155.9	178.3	163.2	258.8	275.1	306.3
9.	Sulphate (as SO_4^{-2})	--	367.2	396.1	344.4	223.1	324.5	412.2
Note: N.D. = Not Detectable, MDL = Minimum Detection Limit								
Analysis of treated effluent was carried out by NABL accredited laboratory M/S UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.								

Table No.2 Water Quality Monitoring Data (Texturised Div.)

Water Quality Monitoring Data (FDY Div.)								
Appearance of sample : Colorless			Treated Water Sample					
Sr. No.	Test Parameters	P.C.C Limit	Month/Year (Period: October - 2017 to March-2018)					
			Oct-2017	Nov-2017	Dec-2018	Jan-2018	Feb-2018	March-2018
			Date of Sampling					
			07/10/2017	13/11/2017	09/12/2017	09/01/2018	02/02/2018	05/03/2018
10.	pH at 25°C	6.5 – 9.0	7.06	7.29	7.47	7.81	7.63	7.77
11.	Colour (Pt. Co. Scale)	--	150	100	150	100	100	100
12.	Total Dissolved Solids	--	912	1096	1326	1276	1652	1908
13.	Total Suspended Solids	100 Max	62	48	66	18	40	68
14.	Chemical Oxygen Demand (COD)	250 Max	139.5	177.4	148.8	236.5	179.3	203.3
15.	Biochemical Oxygen Demand (BOD)	100 Max	45	55	45	74	54	64
16.	Oil & Grease	10 Max	N.D	N.D	N.D	5.0	4.0	5.0
17.	Chloride (as Cl)	--	118.7	135.5	186.6	176.3	198.8	247.7
18.	Sulphate (as SO_4^{-2})	--	173.4	201.4	259.3	244.1	278.5	324.5
Note: N.D. = Not Detectable, MDL = Minimum Detection Limit								
Analysis of treated effluent was carried out by NABL accredited laboratory M/S UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.								

3.7	The unit shall comply the all specific and general conditions stipulated in the Environmental Clearance issued by Govt. of India vide Letter dated 30/12/2010.	We comply the all specific and general conditions stipulated in the Environmental Clearance issued by Govt. of India vide Letter dated 30/12/2010.
3.8	Hazardous waste generated shall be dispose to TSDF only.	We have obtained Authorization for collection, storage and disposal of hazardous waste under the hazardous waste (Management, Handling and Trans boundary Movement) Rules, 2016 and as amended. Management of hazardous wastes and prior permission from GEPIL, Mota Randha and the copy of membership of GEPIL is enclosed as **Annexure-IV.** ❖ Membership of Gujarat Enviro Project & Infrastructure (D&NH) Pvt. Ltd., • Certificate No: CD1W1B0016,

		• Date of Issue: 08.10.2013, • Date of Expiration: 07.10.2018. ❖ Membership of Gujarat Enviro Project & Infrastructure (D&NH) Pvt. Ltd., • Certificate No: CD1W1B0027, • Date of Issue: 14.11.2013, • Date of Expiration: 13.11.2018. The GEPL Certificate is provided as fig. no.1 and 2. The Hazardous waste has been stored in separate designated hazardous waste storage area. The Hazardous Waste storage Area photograph is provided as fig.no.3 and 4.
	Fig.No.1: GEPIL Certificate  	**Fig.No.2: GEPIL Certificate** 
	Fig.No.3:Hazardous Waste Storage Area 	**Fig.No.4:Hazardous Waste Storage Area** 
3.9	Treated water shall be used for gardening within the factory premises.	The treated waste water is after conforming to the prescribed standard is used for plantation of greenbelt within premises.
3.10	The unit shall maintain records of the energy meter and shall submit copy of the same to PCC yearly.	We maintain records of the energy meter and submit copy of the same to PCC yearly.
3.11	The unit is not permitted to manufacture or start the expansion production capacity or the	We agree with this condition.

	additional products till valid Consent is obtained under Water Act and Air Act for Extension/Operate.	
3.12	The unit shall submit the analysis report of stack monitoring and ambient air monitoring and D.G. Set noise monitoring report every quarterly.	We are regular submitting the analysis report of stack monitoring and ambient air monitoring and D.G. Set noise monitoring report is every monthly. The results of Ambient air quality monitoring, Noise Monitoring, Work Place Monitoring and Stack Monitoring are provided as fig.No.5, 6, 7, and 8.
	Fig.No.5: Ambient Air Quality Monitoring Data: 	**Fig.No.6: Noise Monitoring Data:** 
	Fig.No.7: Work Place Air Quality Monitoring Data: 	**Fig.No.8: Stack Monitoring Data:** 
3.13	The unit shall remove extra D.G. Set which are not in use or operational without PCC Consent except the one obtained valid Renewal Consent under Air Act.	We agree with this condition.
3.14	D.G. Set is permitted as standby arrangement only.	We agree with this condition. We are using DG Set as a standby arrangement only and not as a captive power generation unit.
3.15	The unit shall obtain valid Consent to Operate under Air Act and submit to PCC.	We are obtaining valid Consent to Operate under Air Act and submit to PCC.
4.	**Conditions under Air act:**	

Ambient Air Quality Monitoring Data
For M/s. Beekaylon Synthetics Pvt. Ltd.
By – UniStar Environment and Research Labs Pvt. Ltd.

Period : October - 2017 to March - 2018 | Instrument – RDS & FPS
Location of Monitoring – within company premises | Parameter with Results

Month/Year	Date of Monitoring	PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
October-17	07/10/17	85	25	15.8	23.4	BDL
November-17	27/11/17	83	26	15.9	22.7	BDL
December-17	09/12/17	80	23	14.7	22.3	BDL
January-18	09/01/18	84	25	17.2	25.6	BDL
February-18	02/02/18	94	33	19.3	23.8	BDL
March-18	05/03/18	87	31	15.6	24.7	BDL
CPCB Standard		100	60	80	80	2.0

Note: Ambient Air quality monitoring is carried out by NABL accredited laboratory M/S UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.

Ranjan Maharaj
(Recognized Govt. Analyst)

Noise Monitoring Data
For M/s. Beekaylon Synthetics Pvt. Ltd.
By – UniStar Environment and Research Labs Pvt. Ltd.

Period : October- 2017 to March- 2018

Month /Year	Date of Monitoring	Time of Monitoring	Instrument - Sound Level Meter / Location: Within Company premises – Noise Level dB (A) – Direction: East	West	South	North
October -2017	07/10/17	Day Time	59	66	68	72
		Night Time	54	61	63	66
November-2017	27/11/17	Day Time	62	55	69	66
		Night Time	55	47	63	60
December -2017	09/12/17	Day Time	66	64	72	68
		Night Time	61	59	67	63
January -2018	09/01/18	Day Time	70	62	68	65
		Night Time	65	58	63	60
February-2018	02/02/18	Day Time	66	64	61	71
		Night Time	59	57	50	64
March -2018	05/03/18	Day Time	65	62	59	72
		Night Time	57	55	52	66

NOTE: Permissible Limit CPCB (Day Time): <75 Db(A), Permissible Limit CPCB (Night Time): <70 Db(A), NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.

Work Place Air Quality Monitoring Data
For M/s. Beekaylon Synthetics Pvt. Ltd.
By – UniStar Environment and Research Labs Pvt. Ltd.

Period : October-2017 to March-2018 | Instrument - RDS
Parameter with Results

Month & Year	Date	Location of sampling/Monitoring	PM_{10} µg/m3	VOC ppm
October-17	07/10/17	Take up area	154	ND
		Dryer area	142	ND
November-17	13/11/17	Take up area	171	ND
		Dryer area	156	ND
December-17	09/12/17	Take up area	209	ND
		Dryer area	180	ND
January-18	09/01/18	Take up area	260	ND
		Dryer area	225	ND
February-18	02/02/18	Take up area	196	ND
		Dryer area	254	ND
March-18	05/03/18	Take up area	167	ND
		Dryer area	181	ND

Note: Work Place Air quality monitoring was carried out by NABL accredited laboratory M/S UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.

Ranjan Maharaj
(Recognized Govt. Analyst)

Stack Monitoring Data
For M/s. Beekaylon Synthetics Pvt. Ltd.
By – UniStar Environment and Research Labs Pvt. Ltd.

Period : October-2017 to March-2018 | Instrument – Stack Monitoring Kit, VSS1

Month & Year	Date	Stack Sampling Attached to	Parameter with Results: PM mg/Nm³	SO_2 mg/Nm³	NO_2 mg/Nm³
October-17	07/10/17	D.G. set (1000 KVA)	63	24	20
		Boiler(2 Tons/Hr)	81	19	17
		D.G. set (750 KVA)	47	19	17
November-17	13/11/17	D.G. set (1000 KVA)	58	21	17
		Boiler(2 Tons/Hr)	76	21	16
		D.G. set (750 KVA)	42	16	14
December-17	09/12/17	D.G. set (1000 KVA)	54	24	18
		Boiler(2 Tons/Hr)	86	27	20
		D.G. set (750 KVA)	50	19	16
January-18	09/01/18	D.G. set (1000 KVA)	62	26	23
		Boiler(2 Tons/Hr)	90	29	23
		D.G. set (750 KVA)	54	21	18
February-18	02/02/18	D.G. set (1000 KVA)	59	21	20
		Boiler(2 Tons/Hr)	102	27	20
		D.G. set (750 KVA)	46	19	17
March-18	06/03/18	D.G. set (1000 KVA)	56	19	16
		Boiler(2 Tons/Hr)	94	21	16
		D.G. set (750 KVA)	46	16	14
Specific Value:			<150	<40	<25

NOTE: NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.

Ranjan Maharaj
(Recognized Govt. Analyst)

<table>
<tr>
<td>4.1</td>
<td>The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder:
<table>
<tr><th>Parameter</th><th>Permissible Limit</th></tr>
<tr><td>Particular Matter(size less than 10µm)or PM_{10} µm/m^3</td><td>100 (24 hours average)</td></tr>
<tr><td>Particular Matter(size less than 2.5µm)or $PM_{2.5}$ µm/m^3</td><td>60 (24 hours average)</td></tr>
<tr><td>Oxides of Nitrogen (NO_2) µm/m^3</td><td>80 (24 hours average)</td></tr>
<tr><td>Oxides of Sulphur (SO_2) µm/m^3</td><td>80 (24 hours average)</td></tr>
</table>
</td>
<td>The ambient air quality report is enclosed as Annexure-I.
the ambient air within the premises of the industry is not exceed the limits specified hereunder:
The Ambient air quality monitoring Test reports (for the period of Oct.’17 to March.’18) are enclosed as Annexure-I.
The results of Ambient air quality monitoring is provided in the Table no.3 mention below:</td>
</tr>
<tr>
<td colspan="3"><u>Tale No.3: Ambient Air Quality Monitoring Data</u>
<table>
<tr><th colspan="7">Ambient Air Quality Monitoring Data (Period : October - 2017 to March - 2018)</th></tr>
<tr><th colspan="2">Location of sampling/Monitoring – within company premises</th><th colspan="5">Parameter with Results</th></tr>
<tr><th>Month/Year</th><th>Date</th><th>PM_{10} µg/m^3</th><th>$PM_{2.5}$ µg/m^3</th><th>SO_2 µg/m^3</th><th>NO_2 µg/m^3</th><th>CO mg/m^3</th></tr>
<tr><td>October-17</td><td>07/10/17</td><td>85</td><td>25</td><td>15.8</td><td>23.4</td><td>BDL</td></tr>
<tr><td>November-17</td><td>27/11/17</td><td>83</td><td>26</td><td>15.9</td><td>22.7</td><td>BDL</td></tr>
<tr><td>December-17</td><td>09/12/17</td><td>80</td><td>23</td><td>14.7</td><td>22.3</td><td>BDL</td></tr>
<tr><td>January-18</td><td>09/01/18</td><td>84</td><td>25</td><td>17.2</td><td>25.6</td><td>BDL</td></tr>
<tr><td>February-18</td><td>02/02/18</td><td>94</td><td>33</td><td>19.3</td><td>23.8</td><td>BDL</td></tr>
<tr><td>March-18</td><td>05/03/18</td><td>87</td><td>31</td><td>15.6</td><td>24.7</td><td>BDL</td></tr>
<tr><td colspan="2">CPCB Standard</td><td>100</td><td>60</td><td>80</td><td>80</td><td>2.0</td></tr>
<tr><td colspan="7">NOTE: Ambient Air quality monitoring was carried out by NABL accredited laboratory M/S UniStar Environment and Research Labs Pvt. Ltd., Vapi, NABL Certificate No. T-2239, NABL Valid Until: 14.09.2018.</td></tr>
</table>
</td>
</tr>
<tr>
<td>4.2</td>
<td>The applicant shall provide ports in the chimney/stack and facilities as ladder, platform etc. as per requirements for monitoring the air emissions and the same shall be open for inspection and use by the committees staff. The chimney/stacks attached to various sources of emission shall be designated by numbers such as S-1, S-2 etc and these shall be painted/displayed to facilitate identification.</td>
<td>We do comply with the condition. We have provide portholes, ladder, platform etc at chimney(s) for monitoring the air emission and the same has been open for inspection to/and for use of Board’s staff. The chimney(s) vents attached to various sources of emission are designed by numbers such as S-1, S-2, etc. and these are painted/displayed to facilitate identification.</td>
</tr>
<tr>
<td>5.</td>
<td colspan="2">GENERAL CONDITIONS:</td>
</tr>
<tr>
<td>5.1</td>
<td>Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to the Pollution Control Committee.</td>
<td>Any change in personnel, equipment or working conditions as mentioned in the consents form/order we will immediately be intimated to the Pollution Control Committee.</td>
</tr>
</table>

5.2	If at any time, it is observed that effluent fails to confirm to the limits prescribed, consent will be withdrawn prohibiting the industry to manufacture either existing or new products.	We agree with this condition.
5.3	The applicant shall submit separate application for obtaining Consent for Operation/Renewal under Water (Prevention and Control of Pollution) Act, 1974 before 30 days of expiry of validity period of Consent.	We will submit separate application for obtaining Consent for Operation/Renewal under Water (Prevention and Control of Pollution) Act, 1974 before 30 days of expiry of validity period of Consent.
5.4	The industry shall comply with Water (Prevention and Control of Pollution) Cess Act, 1977, and submit monthly Cess returns as contemplated in the Act, in the prescribed form.	We file annual returns under water cess act-1977 to PWD Silvassa and pay the cess amount as per the assessment order.
5.5	The applicant shall comply with the notified standards under Environment (Protection) Act, 1986.	We have taken note of the same and we do and we shall comply the same.
5.6	This consent is further subject to green up the surrounding area inside and outside the unit/factory.	Greenbelt has been developed as per the guidelines of CPCB, under the supervision of experienced personnel and guidance of local experts. The company has developed greenbelt in about 8500 sq. m. land out of total land of 32300 sq. m. The green belt photographs and green belt layout is provided as fig. no.09,10, 11 and 12.
	Fig.No.9: Green Belt Photographs 	**Fig.No.10: Green Belt Photographs** 

	Fig.No.11: Green Belt Photographs 	**Fig.No.12: Green Belt Photographs** 
5.7	In case of change process/installation, which is likely to have discharge/an emission a separate application shall be made.	We shall comply with the condition as and when required.
5.8	In case of failure to comply with any of the consent conditions, the consent order issue to you stands automatically revoked without any notice on this behalf.	We have taken note of the same and we assure that such condition will not arise and we agree with this condition.
5.9	This consent is granted to establish and operate DG Set as a standby arrangement only and not as a captive power generation unit.	We are using DG Set as a standby arrangement only and not as a captive power generation unit.
6.0	Applicant shall also comply with the general conditions given in annexure I & II.	As per annexure – I & II we do comply the applicable general conditions.

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TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.:	**UERL/18/03/A-005**	**Report Issue Date**	10/03/2018
Service Request form No.:	UERL/AIR/SRF/03/014	**Service Request Date**	05/03/2018
Sample ID No.:	UERL/AIR/ID/A-18/03/005	**Field Data Sheet No.**	UERL/AIR/FDS/A-18/03/003
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village - Masat - Samarvarni, Silvassa, Dadara& Nagar Haveli - 396 232.		
Dates of Sampling :	05/03/2018	Date of Testing	06/03/2018
Sampling Procedure:	CPCB Guideline		

Location of Sampling / Monitoring:	**Within Company Premises**									
Environmental Conditions during Sampling :	Temp.:	Min.:	28	^{0}C	Max.:	34	^{0}C	**Avg.:**	31	^{0}C
	Rel. Humidity:	Min.:	30	%	Max.:	62	%	**Avg.:**	46	%

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/03	Respirable Dust Sampler	1117-DTC-2008 3355-DTB-2008	21/08/2017	20/08/2018
UERL/AIR/FPS/07	Fine Particulate Sampler	271-DTE-2010	01/09/2017	31/08/2018

➢ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24
2.	Flow Rate of PM_{10}	m^3/min	1.25
3.	Volume of Air Sampled for PM_{10}	m^3	1800
4.	Volume of Air Sampled for $PM_{2.5}$	m^3	24.05
5.	Flow Rate for Gas	L/min	0.2
6.	Volume of Air Sample for Gas	L	288

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 52%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)	Test Method
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	87	**100**	IS – 5182, Part - 23
2.	Particulate Matter. ($PM_{2.5}$)	$\mu g/m^3$	31	**60**	CPCB Manual Volume – 1
3.	Sulphur Dioxide	$\mu g/m^3$	15.6	**80**	IS – 5182, Part – 2
4.	Nitrogen Dioxide	$\mu g/m^3$	24.7	**80**	IS – 5182, Part - 6
5.	Carbon Monoxide	mg/m^3	BDL	**2.0**	By using Gas Analyzer

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

Regd. Office : 215, Royal Arcade, Near G.I.D.C.Office, Char Rasta,Vapi-396 195, Gujarat, India.
Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
CIN:U73100GJ2007PTC051463

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TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/18/03/W-BS001**	**Report Issue Date:**	10/03/2018
Service Request Form No.	UERL/AIR/SRF/03/001	**Service Request Date**	05/03/2018
Sample ID No.	UERL/AIR/ID/W-18/03/001	**Field Data Sheet No.:**	UERL/AIR/FDS/W-18/03/001
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate,Village – Masat – Samarvarni, Silvassa, Dadara&Nagar Haveli – 396 232.		
Dates of Sampling	05/03/2018	Date of Testing	06/03/2018
Location of Sampling / Monitoring	**Take-up area**		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/12	Respirable Dust Sampler	1861-DTL-2010	25/10/2017	24/10/2018

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.22
3.	Volume of Air Sampled for PM_{10}	m^3	585

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	167
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

UERL/AIR/F-05/02

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TEST REPORT
(WORK PLACE MONITORING)

Test Report No.	**UERL/18/03/W-BS002**	**Report Issue Date:**	10/03/2018
Service Request Form No.	UERL/AIR/SRF/03/002	**Service Request Date**	05/03/2018
Sample ID No.	UERL/AIR/ID/W-18/03/002	**Field Data Sheet No.:**	UERL/AIR/FDS/W-18/03/002
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate,Village – Masat – Samarvarni, Silvassa, Dadara&Nagar Haveli – 396 232.		
Dates of Sampling	05/03/2018	Date of Testing	06/03/2018
Location of Sampling / Monitoring	**Dryer area**		

➢ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/11	Respirable Dust Sampler	1851-DTK-2010	25/10/2017	24/10/2018

➢ **General Sampling / Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	8
2.	Flow Rate of PM_{10}	m^3/min	1.24
3.	Volume of Air Sampled for PM_{10}	m^3	595

➢ **Environmental Conditions during testing :** Temp.: 25 ± 5 °C, Relative Humidity: 40 to 50%

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result
1.	Particulate Matter. (PM_{10})	$\mu g/m^3$	181
2.	VOC	ppm	Not Detected

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

Regd. Office : 215, Royal Arcade, Near G.I.D.C.Office, Char Rasta,Vapi-396 195, Gujarat, India.
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TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/03/S-010**	**Report Issue Date**	10/03/2018
Service Request form No.	UERL/AIR/SRF/03/015	**Service Request Date**	05/03/2018
Sample ID No.	UERL/AIR/ID/S-18/03/010	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/03/010
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	06/03/2018	Date of Testing	06/03/2018
Stack Sampling Attached to	**Boiler**		
Air Pollution Control Device	Dust Collector		
Fuel Used	Coal		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	500
3.	Stack Area	m^2	0.1962
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	140
6.	Exit Gas Velocity	m/s	8.69
7.	Exit Gas Flow	m^3/h	6137

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	94	**<150**	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	21	**<40**	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	16	**<25**	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)
6-3-18

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Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
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TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/03/S-011**	**Report Issue Date**	10/03/2018
Service Request form No.	UERL/AIR/SRF/03/016	**Service Request Date**	05/03/2018
Sample ID No.	UERL/AIR/ID/S-18/03/011	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/03/011
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	06/03/2018	Date of Testing	06/03/2018
Stack Sampling Attached to	**D. G. Set (1000 KVA)**		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	30
2.	Stack Dia	mm	200
3.	Stack Area	m^2	0.0314
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	335
6.	Exit Gas Velocity	m/s	22.63
7.	Exit Gas Flow	m^3/h	2558

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	56	<150	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	19	<40	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	16	<25	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

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TEST REPORT
(STACK MONITORING)

Test Report No.	**UERL/18/03/S-012**	**Report Issue Date**	10/03/2018
Service Request form No.	UERL/AIR/SRF/03/017	**Service Request Date**	05/03/2018
Sample ID No.	UERL/AIR/ID/S-18/03/012	**Field Data Sheet No.**	UERL/AIR/FDS/S-18/03/012
Name & Add. of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Date of Sampling	06/03/2018	Date of Testing	06/03/2018
Stack Sampling Attached to	**D. G. Set (750 KVA)**		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➢ **Details of Instrument Used for Monitoring**

Instrument Id No.	**UERL/AIR/SMK/05**		
Instrument Name	**Stack Monitoring Kit, VSS1**	Serial Number	**436 DTB 08**
Calibration Date	**29/07/2017**	Next Calibration Due On	**28/07/2018**

➢ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	11
2.	Stack Dia	mm	150
3.	Stack Area	m^2	0.0176
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	°C	285
6.	Exit Gas Velocity	m/s	20.19
7.	Exit Gas Flow	m^3/h	1279

➢ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific Value	Test Method
1.	Particulate Matter	mg/Nm^3	46	<150	IS 11255(Part 1)
2.	Sulphur Dioxide	mg/Nm^3	16	<40	IS 11255(Part 2)
3.	Oxide of Nitrogen	mg/Nm^3	14	<25	IS 11255(Part 7)

Sampling Done By:
(Chemist) / (Supervisor)

Tested By:
(Chemist) / (Sr. Chemist)

Authorized By:
(Manager - Operations)

Regd. Office : 215, Royal Arcade, Near G.I.D.C.Office, Char Rasta,Vapi-396 195, Gujarat, India.
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AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	18/03/N-007	Date Of Report:	10/03/2018
Name & Add. Of Industries	M/s. Beekaylon Synthetics Pvt. Ltd. Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Sampling Method	IS : 9989 : 1981		

➢ Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 05-03-2018 at 12:15 Hrs. (Day Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	65	<75 dB(A)
		West	62	<75 dB(A)
		South	59	<75 dB(A)
		North	72	<75 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Prepared By

Authorized By

Regd. Office : 215, Royal Arcade, Near G.I.D.C.Office, Char Rasta,Vapi-396 195, Gujarat, India.
Extended Work Office : G.I.D.C., Dahej-II, Bharuch, Gujarat.
CIN:U73100GJ2007PTC051463

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AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	18/03/N-008	Date Of Report:	10/03/2018
Name & Add. Of Industries	**M/s. Beekaylon Synthetics Pvt. Ltd.** Survey No. 205/1-2 & 207 & Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Village – Masat – Samarvarni, Silvassa, Dadara& Nagar Haveli – 396 232.		
Sampling Method	**IS : 9989 : 1981**		

➢ **Details of Instrument Used for Monitoring.**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/SLM/09A	Sound Level Meter	24 DTE 2008	01/04/2017	31/03/2018

Date and Time of Monitoring : 05-03-2018 at 22:00 Hrs. (Night Time)

Result

Sr. No.	Location	Direction	Noise Level dB(A)	Permissible Limit CPCB
1	Within Company Premises	East	57	<70 dB(A)
		West	55	<70 dB(A)
		South	52	<70 dB(A)
		North	66	<70 dB(A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Prepared By

Authorized By

UERL/AIR/F-18/00

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TEST REPORT

Report No.	**UERL /18/03/BSPL-0072**	Date Of Report	**09/03/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.)** Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	**ETP Inlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**05/03/2018**	Sample Received Date	**05/03/2018**
Sampled By	**Us.**	Appearance Of Sample	**White Colour**
Test Started Date	**05/03/2018**	Test Completion Date	**08/03/2018**
UERL Lab Sample ID.No. **18/03/BSPL-0072**			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	4.26
2.	Colour (Pt. Co. Scale)	IS 3025(Part 4)1983	>500
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	30242
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	286
	CHEMICAL QUALITY (In mg/L)		
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	85626.3
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	30825
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	29.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	466.1
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	1758

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F–2/02

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TEST REPORT

Report No.	**UERL /18/03/BSPL-0073**	Date Of Report	**09/03/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd. (POY Div.)** Survey No. 205/1-2 & 207, Village – Samarvarni, Silvassa, Dadra & Nagar Haveli – 396 232.		
Sample Details	**ETP Outlet Water Sample**	Sample Qty.	**2 Lit.**
Sampling Date	**05/03/2018**	Sample Received Date	**05/03/2018**
Sampled By	**Us.**	Appearance Of Sample	**Light turbid**
Test Started Date	**05/03/2018**	Test Completion Date	**08/03/2018**
UERL Lab Sample ID.No. **18/03/BSPL-0073**			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
	PHYSICAL QUALITY			
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	**6.5 – 9.0**	7.58
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	80
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1656
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	**100 Max**	38
	CHEMICAL QUALITY (In mg/L)			
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	**250 Max**	155.5
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	**100 Max**	48
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	**10 Max**	4.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	306.3
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	412.2

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	UERL /18/03/BSPL-0074	Date Of Report	09/03/2018
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	ETP Inlet Water Sample	Sample Qty.	2 Lit.
Sampling Date	05/03/2018	Sample Received Date	05/03/2018
Sampled By	Us.	Appearance Of Sample	Red Colour
Test Started Date	05/03/2018	Test Completion Date	08/03/2018
UERL Lab Sample ID.No. 18/03/BSPL-0074			

TEST RESULTS

Sr. No.	Parameters	Test Method	Results
	PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	8.71
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	>500
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	1768
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	214
	CHEMICAL QUALITY (In mg/L)		
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	1026.3
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	360
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	9.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	289.1
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	875.5

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	UERL /18/03/BSPL-0075	Date Of Report	09/03/2018
Name & Address of Customer	M/s. Beekaylon Synthetics Pvt. Ltd. Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	ETP Outlet Water Sample	Sample Qty.	2 Lit.
Sampling Date	05/03/2018	Sample Received Date	05/03/2018
Sampled By	Us.	Appearance Of Sample	Slightly Brown
Test Started Date	05/03/2018	Test Completion Date	08/03/2018
UERL Lab Sample ID.No. 18/03/BSPL-0075			

TEST RESULTS

Sr. No.	Parameters	Test Method	P.C.C. Limit	Results
		PHYSICAL QUALITY		
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	6.5 – 9.0	7.77
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	-	100
3.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	-	1908
4.	Total Suspended Solids (mg/L)	IS 3025(Part 17)1984,Amd.1 (APHA 22nd Ed.,2012,2540 -D),	100 Max	68
		CHEMICAL QUALITY (In mg/L)		
1.	Chemical Oxygen Demand (COD)	IS 3025(Part 58)2006, (APHA 22nd Ed.,2012,5220-B),	250 Max	203.3
2.	Biochemical Oxygen Demand (BOD) (3 days at 27 °C)	IS 3025(Part44)1993, Amd. 1	100 Max	64
3.	Oil & Grease	IS 3025(Part39)1991,Amd. 1	10 Max	5.0
4.	Chloride (as Cl)	IS 3025(Part 32)1988, (APHA 22nd Ed.,2012,4500-Cl)	-	247.7
5.	Sulphate (as SO_4)	IS 3025(Part 24)1986	-	324.5

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

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TEST REPORT

Report No.	**UERL /18/03/BSPL-0076**	Date Of Report	**09/03/2018**
Name & Address of Customer	**M/s. Beekaylon Synthetics Pvt. Ltd.** Plot No. 60, 62, 64 & 65, Govt. Ind. Estate, Masat, Silvassa (D. & N.H.)		
Sample Details	**Bore well Water Sample**	Sample Qty.	**3 Lit.**
Sampling Date	**05/03/2018**	Sample Received Date	**05/03/2018**
Sampled By	**Us.**	Appearance Of Sample	**Colourless**
Test Started Date	**05/03/2018**	Test Completion Date	**08/03/2018**
UERL Lab Sample ID.No. **18/03/BSPL-0076**			

TEST RESULTS

Sr. No.	Parameters	Test Method	As Per IS 10500:2012		Results
			Desirable Limit	Permissible limit in the Absence of Alternate Source	
	PHYSICAL QUALITY				
1.	pH @ 25 ° C	IS 3025(Part 11)1983, (APHA 22nd Ed.,2012,4500-H+B)	6.5 – 8.5	6.5 – 8.5	7.45
2.	Colour [Pt. Co. Scale]	IS 3025(Part 4)1983	5Max	15 Max.	10
3.	Odour	IS 3025(Part 5)1983	Agreeable	Agreeable	Agreeable
4.	Turbidity (NTU)	IS 3025(Part 10)1984	1 Max	5 Max	0.1
5.	Taste	IS 3025(Part 7)1984	Agreeable	Agreeable	Agreeable
6.	Total Dissolved Solids (mg/L)	(APHA 22nd Ed.,2012,2540- C), IS 3025(Part 16)1984	500 Max	2000 Max	204
	CHEMICAL QUALITY (In mg/L)				
1.	Total Alkalinity	(IS 3025(Part 23)1986, Amd.2)	200 Max	600 Max	135.7
2.	Chloride (as Cl)	IS 3025(Part 32)1988 (APHA 22nd Ed.,2012,4500-Cl)	250 Max	1000 Max	23.3
3.	Sulphate (as SO_4^{-2})	IS 3025(Part 24)1986	200 Max	400 Max	14.7
4.	Nitrate (as NO_3)	(APHA 22nd Ed.,2012,4500 NO3-B)	45 Max	45 Max	1.1
5.	Calcium (as Ca)	(APHA 22nd Ed.,2012,3500 Ca.B)	75 Max	200 Max	28.1
6.	Magnesium (as Mg)	(APHA 22nd Ed.,2012,3500 Mg.B	30 Max	100 Max	16.0
7.	Fluoride (as F)	(APHA 22nd Ed.,2012,4500 F,D)	1.0 Max	1.5 Max	0.52
8.	Iron (as Fe)	IS 3025(Part 53)2003, (APHA 22nd Ed.,2012,3111-B)	0.3 Max	1.0 Max.	0.059
9.	Zinc (as Zn)	IS 3025(Part 49)1994, (APHA 22nd Ed.,2012,3111-B)	5.0 Max	15 Max	0.036
10.	Phenolic Compound as (C_6H_5OH)	(APHA 22nd Ed.,2012,5530-C)	0.001 Max	0.002 Max	N.D.(MDL:0.01)
11.	Free Residual Chlorine	IS 3025(Part 26)1986, (APHA 22nd Ed.,2012,4500-Cl-B)	0.2 Min	1.0 Min	0.32

Note: Turbidity = 0.1=2.05 NTU, **N.D.** = Not Detectable, **MDL** = Minimum Detection Limit

******* End of Report *******

Tested By
(Chemist)

Checked By
(Sr. Chemist)

Authorized By
(Technical Manager)

UERL/CHM/F-2/02

Annexure-III

- The copy of water permission letter from Damanganga Canal Distry Dn. No.3, Balitha.

જા.નં.:- દનવિવિ-૩/પીબી-૨/બીકેલોન-મસાટ/ ૬૨૨૬

તા. ૧૫-૧૧-૨૦૧૬

કાર્યપાલક ઈજનેરશ્રીની કચેરી
દમણગંગા નહેર વિશાખા વિભાગ નં.૩,
નેશનલ હાઈવે નં.૮, બલીઠા (વાપી)
ફોન નં.૦૨૬૦-૨૪૦૧૩૧૨
ફેક્સ નં.૦૨૬૦-૨૪૨૩૪૬૨
ઈ-મેલ:- dcdd3vapi@yahoo.com

પ્રતિ,
અધિક્ષક ઈજનેરશ્રી,
દમણગંગા યોજના વર્તુળ,
વલસાડ.

વિષય:- મે.બીકેલોન સીન્થેટીક્સ પ્રા.લી, મસાટને બિનખેતી વિષયક હેતુ માટે દમણગંગા યોજનાની ડાબાકાંઠાની મુખ્ય નહેરની સાંકળ ૪૯૫૦ મીટર પરથી વાર્ષિક ૪૩,૮૦૦ કિલોલીટર્સ પાણીનો જથ્થો ઉપાડવા માટે કરારનામાનાં નવીનીકરણ બાબત.

સંદર્ભ:- (૧) સરકારશ્રીના ઠરાવ ક્રમાંક:- ડબલ્યુટીઆર/૨૦૦૪/૧૪૦૨/૧૮/પી, તા.૨૪-૦૮-૨૦૧૬.
(૨) આપની કચેરીના પત્ર શેરા ક્રમાંક:- ડીએમએન/પીબી/બીકેલોન સીન્થેટીક્સ/૨૪૫૨, તા.૦૧-૦૯-૨૦૧૬.

ઉપરોક્ત વિષયના અનુસંધાનમાં સવિનય જણાવવાનું કે મે. બીકેલોન સીન્થેટીક્સ પ્રાઈવેટ લીમીટેડ, મસાટ, દાદરા અને નગર હવેલી દ્વારા દમણગંગા ડાબા કાંઠા મુખ્ય નહેરની સાંકળ ૪૯૫૦ મીટર ઉપરથી વાર્ષિક ૪૩૮૦૦ કિલોલીટર્સ પાણીનો જથ્થો ઉપાડવા માટે તા.૦૯-૧૧-૨૦૧૬ના રોજ કરારનામા ઉપર સહી સિક્કા કરવામાં આવેલ છે. જે સંદર્ભ(૧) થી દર્શાવેલ સરકારશ્રીના તા.૨૪-૦૮-૨૦૧૬ના ઠરાવમાં આપેલ સુચના મુજબ છે. ઉક્ત કરારનામાની બે નકલ તેમજ કરેલ કરારનામા બાબતે આપવાનું રહેતું પ્રમાણપત્ર આ સાથે સાદર કરવામાં આવે છે. જે આપ સાહેબને સુવિદિત થાય.

બિડાણ:- (૧) કરારનામાની નકલ.
(૨) પ્રમાણપત્ર

(બી.ડી.સુરતી)
કાર્યપાલક ઈજનેર
દમણગંગા નહેર વિશાખા વિભાગ નં.૩
બલીઠા (વાપી)

નકલ રવાના પ્રતિ નાયબ કાર્યપાલક ઈજનેરશ્રી દમણગંગા નહેર પેટાવિભાગ નં.૧૫, ભિલાડ તરફ જાણ તેમજ જરૂરી કાર્યવાહી સારૂં.

નકલ રવાના પ્રતિ, ડેપ્યુટી જનરલ મેનેજરશ્રી (કોમર્સીયલ), બીકેલોન સીન્થેટીક્સ પ્રાઈવેટ લીમીટેડ, ૬૧-૬૩, ગવર્મેન્ટ ઈન્ડસ્ટ્રીયલ એસ્ટેટ, મસાટ, વાયા-સીલવાસા, દાદરા અને નગર હવેલી, પીનકોડ-૩૯૬૨૩૦ તરફ જાણ સારૂં.

AGREEMENT

Period:- 31-08-2015 to 30-08-2020

(Five Years)

BEEKAYLON SYNTHETICS PRIVATE LIMITED,

MASAT

U.T. OF D.N.H.

Permission for withdrawal of 120 Cubic Meter Per Day (43,800 Cubic Meter Per Year) water for Industrial use From Ch.4950 M of D.L.B.M.C. of Damangang Project



प्रशासन दादरा एवं नगर हवेली, संघ शासित प्रदेश
ADMN. OF DADRA & NAGAR HAVELI U.T.

207836

Vivessa Stamp of ₹ 100 issued to Shri/Smt Beekaylon Synthetics PVT LTD
No. 165 at Piparia handed over to
Date 16 JUN 2016

Treasury Officer
DNH-Silvassa

AGREEMENT

Agreement for supply of water to **Beekavlon Synthetics Private Limited** for drawl of **120 Cubic Meter Per Day water (i.e 43,800 Cubic Meter Per Year)** from **Ch.4950 mt. of Damanganga Left Bank Main Canal of Damanganga Project** for **Industrial Purpose.**

This agreement made on this day of **09-10-2016** between "**Beekavlon Synthetics Private Limited**" through its Authorized representative (here in after in this agreement called the "Licensee" Which expression shall, unless context otherwise requires and admits, be deemed to include its administrators, executors, successors and assigns) having its registered office at **10, Jasville, New Marine Lines, Opp. Liberty Cinema, Mumbai-400020** of the one part and the Governor of the State of Gujarat through Executive Engineer, Damanganga Canal Distributory Division No.3, Balitha (Vapi) in office (herein after called as "the Government" which expression shall, unless context otherwise requires and admits, be deemed to include his successors in office and assigns) of the other part.

For BEEKAVLON SYNTHETICS PVT. LTD.

Authorised Signatory

Executive Engineer,
D'ganga Canal Distry Dn. No.3,

WHERE AS the Licensee has applied to the Government for permission to draw 120 KL Per Day (43,800 KL Per Year) water from Ch.4950 mt. of Damanganga Left Bank Main Canal of Damanganga Project for manufacturing & Processing of yarn for purpose of Non Agricultural (Industrial) for use of its existing **Beekaylon Synthetics Private Limited, Masat, Via-Silvassa, U.T. of Dadra & Nagar Haveli.**

AND WHEREAS the Government has, under its sanction letter No:- **WTR/2004/1402/P, Dated:- 24-08-2016 (Vernacular),** agreed to grant such permission on the terms and conditions herein after appearing and as mentioned in the Government of Gujarat, Narmada, Water Resources, Water Supply & Kalpsar Department Resolution No.WTR/2005/41/P dated 3-2-2007.

NOW THIS INDENTURE WITNESS and the parties here to hereby agree as follows:

(1) The Government hereby grants the permission to the Licensee to draw 120 KL Per Day (43,800 KL Per Year) water from Ch.4950 mt. of Damanganga Left Bank Main Canal of Damanganga Project on the terms and conditions hereafter appearing.

The licensee shall construct and maintain the head works for drawing water from Ch.4950 mt. of Damanganga Left Bank Main Canal of Damanganga Project and other required structures at suitable places as approved by the Government or its authorized officer at their risk & cost and shall provide all ancillary arrangements that may be required in connection with the drawing and conveying the water required for the use of Licensee near **Masat, Via-Silvassa, U.T. of Dadra & Nagar Haveli**. The intake structures shall be open to inspection by the Government and the Government shall exercise necessary control.

(2) The licensee shall install and maintain at its own cost, the pipeline and other requirements required for conveying water from the source of supply to the place of actual use. The expenditure towards the drawal of water i.e. installation of pumps, pipelines, meters and all other requirements in connection with the drawal of water, shall be borne by the Licensee.

(3) The licensee shall draw water directly from Ch.4950 mt. of Damanganga Left Bank Main Canal of Damanganga Project to the extent of 120 cubic meter per day throughout the year for the construction period and thereafter and maximum up to

For BEEKAYLON SYNTHETICS PVT. LTD.

Authorized Signatory

Executive Engineer,
D'ganga Canal Distry Dn. No.3,

120 cubic meter per day or less as may be required for the optimum plant capacity under operation from time to time. It would be permissible for the Licensee to increase the intake up to 240 cubic meter Per Day for one month during the construction period and thereafter maximum up to 240 cubic meter per day for a period not exceeding one month with the approval of the Narmada, Water Resources, Water Supply & Kalpsar Department, to facilitate the filling of the Licensee reservoir before closure of the canal.

(4) (1) The licensee agrees to bear the cost herein below detailed that may be apportioned between the beneficiaries on prorate basis of their demands, on account of remodeling that may take place to meet the total requirements of the beneficiaries in case.

Supply of water to him is from Ch.4950 mt. of Damanganga Left Bank Main Canal of Damanganga Project. The cost of remodeling shall include cost of preparation of plans, estimates and scrutiny thereof, etc. as per Appendix- I to the Gujarat Public Work Department Volume I & II. The total cost of strengthening and remodeling of Canal is estimated to be Rupees Nil at present, out of which the share of the Licensee is estimated to be Rupees Nil.

The licensee shall deposit this amount of Rupees Nil in advance to enable the Government to take up the entire work on priority basis. The licensee shall pay the balance amount on the basis of actual immediately after the work is completed.

(2) The licensee shall be allowed to draw the water only after he is paid up the apportioned cost referred to in sub-clause 4(1) above, in advance.

(5) The licensee shall pay a **License fee at the rate of Rs. 501/- per year** or at as such rates as may be fixed by the Government from time to time in that behalf during the subsistence as the agreement.

(6) The licensee shall pay for the quantity of water drawn, as measured in the manner provided under clause-7 below, at the rates and terms given below.

(i) The Licensee shall pay the water charges for the quantity of water actually drawn as per the rates mentioned in the Government of Gujarat, Narmada, Water Resources, Water supply & Kalpsar Department Resolution No. WTR/2005/41/P dated 3-2-2007, effective from 1-1-2007 subject to fulfillment of conditions laid

Executive Engineer,
D'ganga Canal Distry Dn. No.3,

For BEEKAYLON SYNTHETICS PVT. LTD.

Authorised Signatory

down in above mentioned resolution as well as conditions mentioned in sanction letter.

(ii) The interest rates, penalty and all other charges/conditions mentioned in above mentioned Government of Gujarat, Narmada, Water Resources, Water Supply & Kalpsar Department, resolution No. WTR/2005/41/P dated 3-2-2007 shall be applicable and the licensee shall have to fulfill it.

(iii) The above rates so fixed shall be subject to upward revision that may be made by the government in Narmada, Water Resources, Water Supply & Kalpsar Department from time to time in connection with water reserved and used for irrigation & non-irrigation purposes. The rates fixed by the government shall be exclusive of cost of pumping, conveying etc. of water from the source.

(iv) The charges as mentioned in sub clause-(i), above, shall be paid in advance by the Licensee before 10th day of each month following the month to which water charges pertains calculated as per the estimated requirement of water for the month. The bills as per actual payment of charges shall be prepared every month and served on the Licensee for payment thereof.

(v) If the arrears of water charges referred to above accumulate for more than six months, the Government shall be at liberty to ask the licensee to stop drawl of water from the source and it shall be incumbent on the licensee to do so and in case of default, Government may take action to stop entry into the intake without any notice at the risk and cost of the licensee.

(vi) If the measuring devices referred to in Clause-7 below, ceases to function or goes out of order in any month, the charges leviable in respect of that month shall be calculated on the basis of the average quantity of water drawn in the preceding three months or the quantity of water drawn in the same month of preceding year whichever is higher, provided that there has been no increase in the capacity of the plant/plants and the corresponding water requirements thereof during such year. If the capacity of the Plant/Plants has increased during such year, the water drawn shall be correspondingly estimated on the prorate basis. For the purpose of such estimate, the licensee shall furnish necessary data to the Executive Engineer concerned whose decision in the matter shall be final and binding to the licensee.

For BEEKAYLON SYN[illegible]3 PVT. LTD.

Authorised Signatory

Executive Engineer,
Dhanda Canal Distry Dn. No.3,

(7) A suitable scientific measuring device shall be installed by the Licensee at suitable place in consultation with and with the approval of the Executive Engineer, Damanganga Canal Distributory Division No.3, Balitha (Vapi) or his successor in office for measuring the quantity of water drawn by the Licensee.

The cost of measuring device, its installation and maintenance shall be borne by the Licensee. The measurement of the quantity of water drawn shall be taken jointly by the representative of the Government and of the Licensee. The measuring device shall be open for inspection by the concerned authorities.

(8) If the measuring device referred to in the clause-7, ceases to function or goes out of order, the Licensee shall, as and when such occasion arises, get necessary repairs there to carried out and restore the same to its original position or replace the same if so found necessary and as required by the Executive Engineer concerned within one month of its going out of order.

(9) The water drawn by the Licensee from the Ch.4950 mt. of Damanganga Left Bank Main Canal of Damanganga Project shall be used only for the purpose for which permission to use the same is granted to him and as such the use shall be confined to the legitimate requirements of the Licensee.

The Licensee shall not draw water from the above mentioned sources for sale or supply to any person, firm or Company or other body by whatever name called.

(10) (1) The grant of the permission to draw water under this agreement shall not mean any assurance to the Licensee regarding availability of quantity of water as per the requirements of the Licensee and regarding the quality of water. The Licensee shall not be entitled to any compensation for non availability of quantity of water on account of reasons beyond the control of the government/department. It shall be incumbent on the licensee to make its own arrangement to meet its requirement of water during the periods the canal is closed on account of repairs or accidental breach.

(2) If the special measures for conserving the water and reducing the losses of evaporation and seepage are found necessary in scarcity years, the expenses on this account shall be borne by the Licensee.

For BEEKAYLON SYN[illegible]VT. LTD.

Authorised Signatory

Executive Engineer,
D'ganga Canal Distry Dn. No.3,

(11) The permission granted in this agreement shall not in any manner prejudicially affect the existing water rights vested in the riparian owners nor shall it any way prejudice the rights of government to launch or implement any new scheme or schemes in public interest in future in connection with the water of Ch.4950 mt. of Damanganga Left Bank Main Canal of Damanganga Project of the Executive Engineer, Damanganga Canal Distributory Division No.3, Balitha (Vapi) from which Licensee is permitted to draw water.

(12) The drawal of water under this agreement by the licensee shall be subject to the provisions of the **Gujarat Irrigation and Drainage Act, 2013 Gujarat Irrigation and Drainage Rules, 2014** and other rules made there under as amended from time to time and orders that may be passed or issued in that behalf by the Government/Department from time to time.

(13) The Licensee shall at all reasonable times allow the officers of the government to inspect the work sites and records regarding quantity of water drawn, utilized and supplied to other parties, if any, and to take copy of the records.

(14) An amount equivalent to Three months prevailing water charges shall be initially deposited by the licensee with the Executive Engineer, Damanganga Canal Distributory Division No.3, Balitha (Vapi) or his successor in the office as security deposit for the due performance of the terms of this agreement. The deposit shall be in the form of **fixed deposit** in any Nationalized Bank/ scheduled bank and shall be pledged by the licensee in favour of the Executive Engineer, Damanganga Canal Distributory Division No.3, Balitha (Vapi) or his successor in office. The enhancement in amount of security deposit due to yearly increase in the rate of water charges shall also be deposited by the Licensee. *Such Fixed Deposit must continue in force during entire period of this agreement without any break.*

Or

~~An amount equivalent to Three months prevailing water charges shall be initially deposited by the licensee with the Executive Engineer, Damanganga Canal Distributory Division No.3, Balitha (Vapi) or his successor in the office as security deposit for the due performance of the terms of this agreement. The deposit shall be in the form of *Bank Guarantee* . The enhancement in amount of security~~

For BEEKAYLON SYNTHETICS PVT. LTD.

Authorised Signatory

Executive Engineer,
D'ganga Canal Distry Dn. No.3

~~deposit due to yearly increase in the rate of water charges shall also be deposited by the Licensee. *In the case of acceptance of Bank Guarantee in form of a Security Deposit, it must be issued from Nationalized Bank based in Gujarat state only* and shall be pledged by the licencee in favour of the Executive Engineer, Damanganga Canal Distributory Division No.3, Balitha (Vapi) or his successor in office. *Such Bank Guarantee must continue in force during entire period of this agreement without any break.*~~

(15) The Executive Engineer, Damanganga Canal Distributory Division No.3, Balitha (Vapi) shall dispose of all matters pertaining to this agreement subject and falling within his purview subject to decision that may be taken in appeal before the Superintending Engineer, Damanganga Project Circle, Valsad in the matter and the decision of the Superintending Engineer in the matter shall be final.

(16) The Licensee shall make its own arrangements for storing its water requirement of about 15 days. The Executive Engineer, Damanganga Canal Distributory Division No.3, Balitha (Vapi) shall ordinarily inform licensee in advance about the period of closures of the canal for any reason.

(17) The Licensee shall arrange at its own cost the discharge of the trade waste and effluents after due treatment as may be permitted from time to time by the State Water Pollution Control Board safely in the place earmarked for the purpose in the vicinity in consultation and with the approval of Public Health Authority. In case where the Collector, Silvassa, U.T. of D.N.H finds that the arrangement of discharge is not suitable, it shall be the duty of Licensee to make other suitable arrangement as may be directed by him. If the discharge of trade waste and effluent proves to be a source of nuisance to the field and or the population in the neighborhoods, the Licensee shall treat the same further in such manner as may be directed by the Government.

(18) This agreement shall remain in force for a period of 5 (Five) years from the date of previous agreement **i.e. 31-08-2015** of execution thereof unless terminated earlier, by the Licensee by giving six calendar month's notice in writing to the Government for the purpose. The Licensee shall not be eligible for any compensation on account of such premature termination.

For BEEKAYLON SYNTHETICS PVT. LTD.

Authorised Signatory

Executive Engineer,
Damanganga Canal Distry Dn. No.3.

(19) The Government may allow the drawal of water according to the terms stated in this agreement after the expiry of the agreement on receipt of a request to that effect from the Licensee at least six month before the expiry of the period of this agreement.

(20) The Licensee shall bear all the legal charges, stamp duty, registration fees and translation charges and all other charges and expenses incurred in connection with this presents.

(21) The Government shall be entitled to terminate this agreement upon serving the Licensee with a notice of 1 month (One month) for breach of any of the terms and conditions of this agreement or in the event the Licensee fails to pay any sum due to the Government under this agreement. The Licensee shall not be eligible to claim any compensation from the Government on account of withdrawing the facility of drawal of water as a result of premature termination of the agreement or even otherwise. Without prejudice to any right of the Government to proceed in accordance with the relevant rules No.6 (v) to recover such sums due from the Licensee, the security deposits shall be forfeited. Any drawl of water from the Ch.4950 mt. of Damanganga Left Bank Main Canal of Damanganga Project after the expiry of the period of the notice shall be treated as an unauthorized act and shall be subject to such penal charges as may be determined by the Government.

(22) Except as otherwise herein provided, all notices to be given and other actions to be taken on behalf of the Licensee shall be given or taken by the **Beekaylon Synthetics Private Limited, Masat, Via-Silvassa, U.T. of Dadra & Nagar Haveli** or any other official authorized by the Licensee.

(23) All sums and amount due and payable under this agreement shall be recoverable as arrears of land revenue under the **Gujarat Land Revenue Code, 1879** without prejudice to any other rights or remedies available to the Government under any other case.

For BEEKAYLON SYNTHETICS PVT. LTD.

Authorised Signatory

Executive Engineer,
D'ganga Canal Distry Dn. No.3,
BALITHA (VAPI)

(24) The Licensee shall have to pay a token rent of Rs. 5000/- per year for land utilized for construction of cabin. There shall be 8% incremental increase in rent every year i.e. there shall be increase of 8% in previous year rent every year. The amount of rent should be deposited in 1st week of April every year. If Licensee fails to deposit the rent Government may take action to stop entry in to the intake without any notice at the risk and cost of the Licensee.

IN WITNESS WHERE OF **Mr. S. Chatterjee, DGM (Commercial)** duly authorized by the Board of Directors of the Licensee for and on behalf of the Licensee and **Shri B.D. SURATI** Executive Engineer, Damanganga Canal Distributory Division No.3, Balitha (Vapi) for and on behalf of the Governor of Gujarat have signed there presents and herein set their respective seals on the day and year first above written.

For BEEKAYLON SYNTHETICS PVT. LTD.

Authorised Signatory

Signed, Sealed and delivered by

B.D.SURATI

Executive Engineer,

Damanganga Canal Distributory Dn.No.3

Balitha (Vapi)

For and on behalf of the

Governor of Gujarat

In Presence of

Witness (I) Deputy Executive Engineer Damanganga Canal Sub Dn. No. 1 Bhilad.

Witness (II) (H.J.PATEL) AAE

Signed, Sealed and delivered by

Mr. S. Chatterjee

Deputy General Manager (Commercial)

Beekaylon Synthetics Pvt. Limited

Masat, Dadra & Nagar Haveli

For and on behalf of the

Licensee

In Presence of

Witness (I) Pankaj B. Rathod

Witness (II)

Annexure-IV

- Copy of Membership of GEPIL.

A Luthra Group company
GUJARAT ENVIRO PROTECTION
& INFRASTRUCTURE (D&NH) Pvt. Ltd.
S.No. 9/1, Village Mota Randha,
Silvassa - 396230. UT of Dadra & Nagar Haveli.
Telefax : +91 260 2993344 E-mail : dnh@luthraindia.com

Certificate

Certificate No: **CD1W1B0027**

To Whomsoever it may concern

This is to certify that

BEEKAYLON SYNTHETICS PVT.LTD.(POY DIVN.)

SR.NO.207,205/1,205/2,
VILLAGE SAMARVANI,
SILVASSA

is a valid member of

Gujarat Enviro Protection & Infrastructure (D & N H) Pvt. Ltd.

This membership is valid for a period of

5 Years

Date of issue : *14/11/2013*
Date of expiration : *13/11/2018*
Place of issue : *Dadra & Nagar Haveli*

For, Gujarat Enviro Protection & Infrastructure(D&NH) Pvt. Ltd.

Director/Authorised signatory

Waste Information :

SrNo	Type of Waste	Sign Qty (TPA)	SrNo	Type of Waste	Sign Qty (TPA)
1	ETP SLUDGE	10.800			

Total Sign Qty (TPA) : 10.800

SUBJECT TO D&NH JURISDICTION

A Luthra Group company
GUJARAT ENVIRO PROTECTION
& INFRASTRUCTURE (D&NH) Pvt. Ltd.
S.No. 9/1, Village Mota Randha,
Silvassa - 396230. UT of Dadra & Nagar Haveli.
Telefax : +91 260 2993344 E-mail : dnh@luthraindia.com

Renewal

Certificate

Certificate No: **CD1W1B0016**

To Whomsoever it may concern

This is to certify that

BEEKAYLON SYNTHETICS PVT. LTD.

PLOT NO.60, GOVT. IND. ESTATE.
MASAT, D.& N.H.
SILVASSA

is a valid member of

Gujarat Enviro Protection & Infrastructure (D & N H) Pvt. Ltd.

This membership is valid for a period of

5 Years

Date of issue : *08/10/2013*
Date of expiration : *07/10/2018*
Place of issue : *Dadra & Nagar Haveli*

For, Gujarat Enviro Protection & Infrastructure(D&NH) Pvt. Ltd.

Director/Authorised signatory

Waste Information :

SrNo	Type of Waste	Sign Qty (TPA)	SrNo	Type of Waste	Sign Qty (TPA)
1	ETP SLUDGE	10.800			

Total Sign Qty (TPA) : 10.800

Annexure-V

- CSR Activity Plan.

CSR Activities proposal

M/s. Beekaylon synthetics Pvt. Ltd.

Sr. No.	Area of Work	2018 to 2019	2019 to 2020	2020 to 2021	2021 to 2022	2022 to 2023	Activity
1.	**Health** •Awareness Camps for health and mediclaim policy opening (opening bank account, evidence of adharcard & any others know) •Planning of Health related seminar So that people get information(All diseases Information) •Female & Child health program (Seminar planning for Health and Nutrition of Children & Female, Vaccination information based on age) •Upgradation of various Existing Sub-Centres of Heath Department DNH into Health	40 Lakhs	40 Lakhs	40 Lakhs	40 Lakhs	40 Lakhs	1. The activities under such program shall cover awareness programs for child immunization, general and specialized health checkup & medical camps, ICTC (Integrated Counseling and Testing Centre) for free of cost HIV testing, awareness programs & camps for female & child health as well as nutrition and awareness programs on various diseases etc.
2.	**Drinking water** • Infrastructure development through providing drinking water facilities in the villages of the region. (R.O.Plant) • Hand pump facility will provide between two villages	9 Lakhs	9 Lakhs	9 Lakhs	9 Lakhs	9 Lakhs	1. Hand pump. 2. Rain water harvesting. 3. Built Water tank or wells.
3.	Social activities •Sustainable livelihood and Farming Systems by providing awareness on various agricultural practices for better yield, pesticide and fertilizer management, etc. •Vocational training for Youth & Women.After 12th pass and Graduation students (Basic computer course,Telly,NET) •Development of Nand Ghar/Aganwadis •As per timely requirement	50 Lakhs	50 Lakhs	50 Lakhs	50 Lakhs	50 Lakhs	1. Apart from the above, company can also conduct activities for social & public infrastructure development & maintenance, cultural programs, support to village level cultural groups, village level sport programs, disaster support, training for prevention & mitigation of disaster, management , 2. Training school. 3. Vocational training programs.
	Total	**99 Lakhs**	**99 Lakhs**	**99 Lakhs**	**99 Lakhs**	**99 Lakhs**	

Note: total cost of the project is **495Lakhs** and As per TOR for Socio- economic development 5% from total Project cost is **Rs. 99 Lakhs** for five year.

ESR Plan

Applicability of Corporate Social Responsibility as per (Companies Act 2013) section 135

Eligibility Criteria:

1. Minimum net worth of rupees 500 Crore.
2. Turnover up to "1000 Crore"
3. Having a net profit of at least '5crore'. During any financial year, are covered by this provision.

    - Company investing 5%of Capital Cost towards CSR activities

Socio-economic Welfare& Corporate Social Responsibility (CSR)

The Company may take up such other activities which are broadly covered under Schedule VII of the Act and any additions which may be made hereafter.

M/s. Beekaylon Synthetics Pvt**.** Ltd., will follows In accordance with the requirements of the Companies Act, 2013 ("the Act"), the Company's CSR programs shall mainly focus on the following areas:

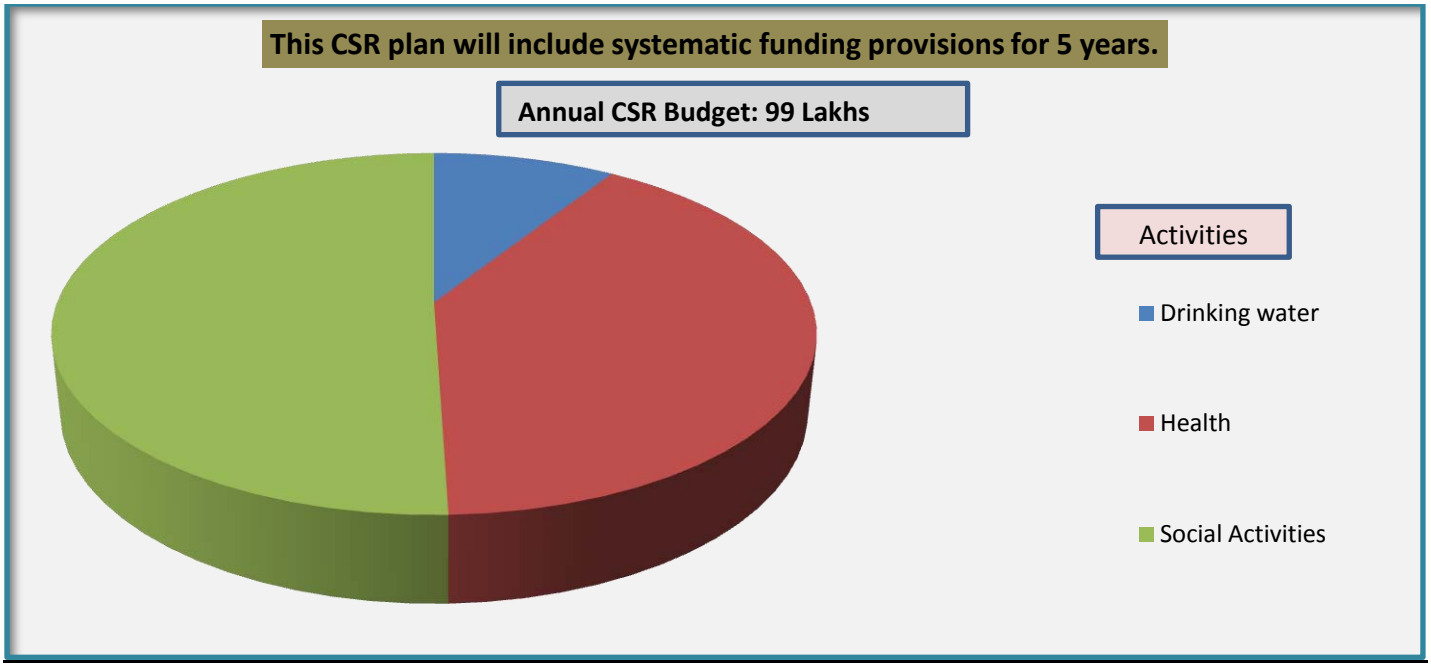
This is just a proposal according to the data collected and report drafted in Socio Economic Area. The suggestions put forward are purely on the basis of expert opinion which may be changed as per need. For implementation of the activities under CSR plan in command area of integrated project in surrounding area, a budgetary allocation of **Rs. 495** Lakhs for coming 5 years has been proposed. There under, annually minimum **Rs. 99** lakhs will be reserved in budget towards CSR activities.

Note: ***This CSR plan will include systematic funding provisions for 5 years.***

Annual CSR Budget: 99 Lakhs

1. **Drinking water**: **9 Lakhs /Annum**
    - Infrastructure development through providing drinking water facilities in the villages of the region. (R.O.Plant) :4 lakhs/Annum
    - Hand pump facility will provide between two villages: 5 lakhs/Annum
2. **Health: 40 Lakhs /Annum**
    - Awareness Camps for health and mediclaim policy opening (opening bank account, evidence of adharcard & any othersknow):10 lakhs /Annum.
    - Planning of Health related seminar So that people get information(All diseases Information):5 lakhs/Annum
    - Female & Child health program (Seminar planning for Health and Nutrition of Children & Female, Vaccination information based on age): 5 lakhs /Annum.
    - Upgradation of various Existing Sub-Centres of Heath Department DNH into Health & Wellness Centre: 20 lakhs /Annum.
3. **Social activities:50 Lakhs /Annum**
    - Sustainable livelihood and Farming Systems by providing awareness on various agricultural practices for better yield, pesticide and fertilizer management, etc.: 10 lakhs/Annum
    - Vocational training for Youth & Women.After 12^{th} pass and Graduation students (Basic computer course,Telly,NET): 10 lakhs/Annum
    - Development of Nand Ghar/Aganwadis: 20 lakhs/Annum
    - As per timely requirement:10 lakhs/Annum

CHART OF ESR PLAN



Note: Certain activities which are not approved by CSR Committee but are required to be implemented on an urgent basis in unforeseen circumstances relating to Natural calamity, can be taken up for implementation after approval from the Chairman. The CSR Committee and Board of Directors would be appraised about such projects/activities during their next meeting.

District Panchayat

Office of the Chief Executive Officer,
Dadra and Nagar Haveli,
SILVASSA

No.DP/CEO/SBM/2017/160 Date: 25/07/2017

APPRECIATION LETTER

This is to certify that M/s. Beekaylon Synthetics Private Limited has constructed **101 numbers** of Individual House Hold Sanitary Latrines in Masat and Samarvarni village during the Financial Year 2016-17 under CSR policy. We appreciate the company in recognition of the contribution towards benefit to poor tribal of Dadra & Nagar Haveli.

(Dr. Dinesh Kannan, IFS)
Chief Executive Officer,
District Panchayat

To
M/s. Beekaylon Synthetics Private Limited,
Government Industrial Estate,
Masat,
Dadra and Nagar Haveli,

गौरव सिंह राजावत, भा.प्र.से.
Gaurav Singh Rajawat, I.A.S.

समाहर्ता एवं जिलाधीश
दादरा नगर हवेली,
प्रशासन, दादरा एवं नगर हवेली,
संघ शासित प्रदेश,
सिलवासा-३९६ २३०.

Collector & District Magistrate
Dadra Nagar Haveli
Administration of
Dadra & Nagar Haveli, (UT)
Silvassa - 396 230.

No.ADM/Coll/Misc./2017/915 Date :- 17.06.2017.

CERTIFICATE OF APPRECIATION

This is to certify that **M/s. Beekaylon Synthetics Private Limited** has contributed a sum of **Rs.4,50,000/- (Rupees Four Lakhs Fifty Thousand Only)** to Association of Polyester Continuous Polymerisation Industry of D&NH, Silvassa for donating pressure cookers and gas stove to poor tribal woman of the UT of Dadra & Nagar Haveli under Pradhan Mantri Ujwala Yojna under CSR Policy. We appreciate the company in recognition of the contribution towards benefit to poor tribal of Dadra and Nagar Haveli.

(Gaurav Singh Rajawat)
Collector,
Dadra and Nagar Haveli.

To,
M/s. Beekaylon Synthetics Private Limited,
Through Association of Polyester
Continuous Polymerisation
Industry of D&NH, Silvassa.

Administration of
Union Territory of Dadra & Nagar Haveli,
District Industries Centre, Department of Industries,
Ground Floor, Udyog Bhavan, 66 KVA Road, Amli,
Silvassa - 396 230

No. DIC/5(474)/2010/ [illegible] Date: / .05.2010

To,
Beekaylon Synthetic Pvt. Ltd.,
Masat
DNH

Subject: Development of Nand Ghar / Anganwadis under CSR initiative

Sir,

As per discussion in the meeting dated 03.05.2010, the fresh allotment of the following Nand Ghar/Anganwadis are hereby made:

1	Beekaylon Synthetic Pvt. Ltd	Mandoni	Mandoni Chowkipada
2	Beekaylon Synthetic Pvt. Ltd	Mandoni	Mandoni Sukalipada
3	Beekaylon Synthetic Pvt. Ltd	Mandoni	Mandoni Kabampada
4	Beekaylon Synthetic Pvt. Ltd	Mandoni	Mandoni Hedvachimal
5	Beekaylon Synthetic Pvt. Ltd	Mandoni	Chuada Padhariyada
6	Beekaylon Synthetic Pvt. Ltd	Mandoni	Chuada Patelpada
7	Beekaylon Synthetic Pvt. Ltd	Mandoni	Chuada Margechimal
8	Beekaylon Synthetic Pvt. Ltd	Mandoni	Chuada Akharmal
9	Beekaylon Synthetic Pvt. Ltd	Mandoni	Sindoni Fadarpada
10	Beekaylon Synthetic Pvt. Ltd	Mandoni	Sindoni Tornachimal
11	Beekaylon Synthetic Pvt. Ltd	Mandoni	Sindoni Patelpada
12	Beekaylon Synthetic Pvt. Ltd	Mandoni	Sindoni Fadarmal
13	Beekaylon Synthetic Pvt. Ltd	Mandoni	Sindoni Sidhipada
14	Beekaylon Synthetic Pvt. Ltd	Mandoni	Khedpa Kachhariyada
15	Beekaylon Synthetic Pvt. Ltd	Mandoni	Khedpa Zalompada
16	Beekaylon Synthetic Pvt. Ltd	Mandoni	Berda Mulgam
17	Beekaylon Synthetic Pvt. Ltd	Mandoni	Berda Vadpada
18	Beekaylon Synthetic Pvt. Ltd	Mandoni	Bedpa Kuvechhadi
19	Beekaylon Synthetic Pvt. Ltd	Mandoni-Bedpa	Bedpa Belpada
20	Beekaylon Synthetic Pvt. Ltd	Mandoni-Bedpa	Bedpa Kasterpada
21	Beekaylon Synthetic Pvt. Ltd	Mandoni-Bedpa	Bedpa Mulgam
22	Beekaylon Synthetic Pvt. Ltd	Mandoni-Bedpa	Vasda Mulgam
23	Beekaylon Synthetic Pvt. Ltd	Mandoni-Bedpa	Vasda Harvadpada
24	Beekaylon Synthetic Pvt. Ltd	Mandoni-Bedpa	Vasda Chothapada

It is hereby requested to make visit to the Anganwadis in Daman district along with your Consultant/Architect/Engineer and prepare detailed plan with layout, design, instruments etc. and start development at earliest in consultation with the department of Social Welfare. In case of any issue, kindly contact Smt. Namrata Parmar, CDPO on 9426740701 or the office of Deputy Secretary(Social Welfare).

Yours faithfully

(Ravanjit Vadodaria)
Director of Industries, DNH
Silvassa

Copy to:

1. PA to Adviser to Administrator, DNH, Silvassa.
2. Secretary (Ind)/CCF, DNH, Silvassa.
3. Secretary (Social Welfare), DNH, Silvassa.
4. Deputy Secretary(Social Welfare), DNH & office of CDPO.

Administration of
Union Territory of Dadra & Nagar Haveli.
District Industries Centre, Department of Industries.
Ground Floor, Udyog Bhavan, 66 KVA Road, Amli,
Silvassa - 396 230

No. DIC/5(478)/PHCs/2018/

Date: 23.03.2018

To,
Beekayline Synthetics Pvt. Ltd.,
Plot No. 60,61,63,63-B, GIE,
Masat & Survey No.287/1,
Velugam, D&NH

Subject:- Upgradation of various Existing Sub-Centres of Health Department DNH into Health & Wellness Centre.

Sir,

In pursuance of the meeting on 08.03.2018 under the Chairmanship of Adviser to Hon'ble Administrator with the representatives of Industries. You are hereby allotted following PHCs/Sub-Centres for development into Health & Wellness:

Allotted PHCs/ Sub-Centre :- Near Gram Panchayat, Dapada, Missionpada, PHC-Dapada, Sub-Centre-Dapada

It is hereby requested to make visit to each allotted PHCs/Sub-Centres along with Dr. Mehta (9601286710) & Madam Dr. Gargi (8690693020) of Medical Department for details related to up gradation of PHCs/Sub-Centres. These two officers shall be overall in-charge for coordination with sponsoring industries for upgradation of allotted PHCs/Sub-Centres.

In case of any issue, kindly contact DIC office or Mr. Jignesh Patel, Project Manager on 9427108152.

23.3.18

Director of Industries (DIC)
Dadra & Nagar Haveli
Silvassa

Copy to:-

1. PA to Administrator, DNH, Silvassa.
2. PA to Adviser to Administrator, DNH, Silvassa.
3. PA to Secretary (Ind)/CCF, DNH, Silvassa.
4. Dr. V.K.Das, MHS, DNH, Silvassa

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Annexure-VI

- The annual medical checkup details of employees.

Beekaylon SYNTHETICS PVT. LTD.

Date: 25/04/2018

To
Dr Sachin A.Deshmukh,
Ratan Complex, 1st Floor,
Near Bank of Baroda,
Rakholi, Silvassa- 396230

Sub: Appointment for Pre & Post Employment Checkups

Sir,

We are pleased to appoint you on retainer as visiting Doctor for the Pre & Post Employment Checkups of our employees working at our unit located at S.No.205/1-2,207, Village Samarvarni, Silvassa.

For Pre Employment Check-ups

The candidate's health status.& includes the basic screening investigations needed to determine the candidate's medical fitness required for employment.

1. Complete Medical & Physical Examination i.e. Pulse, BP,HT, WT, BMI
2. Vision Test of both eyes for Near, Distant & Color Blindness
3. Audiometric Test of both Left & Right ears
4. Laboratory Investigations
    - Complete Blood Count
    - Blood Sugar Test (usually fasting)
    - Urine Routine & Microscopy
    - Blood Group & Rh Factor.

For Post Employment Check-ups

The regular Employee's health check-ups also need to be investigated with reference to his occupation & all the employees fitness needs to be accessed twice a year.
All the above mentioned Tests needs to be carried out & individual employees Report is to be issued & maintained by you accordingly.

This arrangement is for a period of two years with effect from 25/04/2018 & renewal of your retainership will be on a mutual basis. During the period of your retainership with us you will issue us the bills at end of every month as per our discussion & understanding with you.

Kindly sign the copy of this letter in acceptance of the above mentioned terms & conditions & return the same for our record.

Regards,

For **Beekaylon Synthetics Pvt.Ltd.**

Authorised Signatory

Dr. SACHIN ARUN DESHMUKH
M.B.B.S, A.F.I.H
Reg. No.-2 [illegible]/02/ 01024
Saraswati Hospital, Rakholi

Beekaylon SYNTHETICS PVT. LTD.

MEDICAL CHECKUP PLAN:

Beekaylon Synthetics Pvt. Ltd. has employed approximately 600 workmen & every employee is the most important asset to the company. We have formulated a plan whereby every employee will have medical checkup twice a year. Our company Doctor along with his panel will undertake the various medical checkups. The schedule of the checkup will be 100 employees per month i.e. 600 employees in six month or 600 employees twice in a year.

To Maintain Safety at Workplace

The new candidate should be free from medical conditions that could result in harming other people (colleagues) especially in health and safety sensitive jobs.

Health Record Compilation

A Pre employment health checkup establishes baseline health related data against which the future health status of an employee can be compared. It identifies existing medical conditions, including lifestyle and contagious diseases which could get adversely affected by occupational exposure.

Ascertain Productivity and Efficiency

These tests establish that the new employee is free from medical conditions which can affect his productivity post employed. Companies understand the importance of a healthy employee as his health is going to be directly proportional to his productivity and efficacy towards work.

PRE-EMPLOYMENT CHECKUPS:

Pre employment checkups are usually basic screening tests which gives a broad assessment of the candidate's health status.& includes the basic screening investigations needed to determine the candidate's medical fitness required for employment.

Usually they include the following Tests :

1. Complete Medical & Physical Examination i.e. Pulse, BP,HT, WT, BMI
2. Vision Test of both eyes for Near, Distant & Color Blindness
3. Audiometry Test of both Left & Right ears
4. Laboratory Investigations
    - Complete Blood Count
    - Blood Sugar Test (usually fasting)
    - Urine Routine & Microscopy
    - Blood Group & Rh Factor

For BEEKAYLON SYNTHETICS PVT. LTD.

Authorised Signatory

Works-1 : Plot No. 60,62,64,65, Govt. Ind. Estate, Masat (Via) Silvassa - 396 230.(D. & N. H.)
Works-2 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-3 : Survey No. 287/1, Village - Velugam, Silvassa - 396230. (D. & N. H.)
Tel.: (0260) 2640842, 2640843, E-mail : silvassa@beekaylon.com

Regd. & Administrative Office :Office No.15,16 & 17, Maker Chamber - 3, Jamnalal Bajaj Road, Nariman Point, Mumbai - 400 021
Tel.No.: (022) 43530400, 43530410, 43530411 E-mail : ho@beekaylon.com

AN ISO 9001:2015 Certified Hospital

24 HOURS EMERGENCY SERVICES

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Mobile : +91-98986 93381 / +91-99981 88247 • **E-mail** : saraswaticlinic@gmail.com

ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 1
- NAME: RATANLAL YADAV
- DEPT: QC EC NO: 113
- AGE: 38 YRS/ M
- PULSE- 70 /MIN BP- 110/80 MMHG
- HT- 161 CMS WT- 49 kg BMI- 18.90 kg/m^2 (N 18.5 – 25)
- SYSTEMIC EXAMINATION: NAD
- SKIN : NAD
- ENT: NAD
- PAST HISTORY: LEFT EAR CSOM
- FAMILY HISTORY: NP
- PERSONAL HISTORY: TOBACCO
- CURRENT COMPLAINTS: NP
-

VISION TEST	LEFT EYE	RIGHT EYE
NEAR	N8	N8
DISTANT	6/6	6/6
COLOUR	NORMAL	NORMAL

VISION IMPRESSION: **REFRACTIVE ERROR**

- AUDIOMETRY: **LEFT EAR MILD HEARING LOSS**

FREQUENCY Hz	Threshold Db	
	Left ear	Right ear
2000	42	25
4000	35	28
6000	25	30
8000	30	35

- PFT: MODERATE RESTRICTION

24 HOURS EMERGENCY SERVICES

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ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 1
- NAME: RATANLAL YADAV
- AGE: 38 YRS/ M

- PATHOLOGICAL REPORTS:

	RESULT	NORMAL VALUE
HB	14.40 gm%	(N 13.5 - 17)MALES (N 12 – 16) FEMALES
WBC	12000 /cumm	(N 4000-11000)
RBC	4.65 mill/cumm	(N 4.6 – 6.2)
PLATELET COUNT	0.91 lac/cumm	(N 1.5 - 4)
DIFFERENTIAL COUNT	P70 L25 E3 M2 B0	P 55-70%, L 20-40%, E 1-6%, M 2-8%, B 0-1%
HCT MCV MCH MCHC	44.50 % 95.70 fl 31.00 pg 32.40 %	(N 40-54) (N 80-96) (N 27-31) (N 32-36)
BLOOD SUGAR-RANDOM	79 mg/dl	(N 70-200)
URINE: NAD COLOUR : PALE YELLOW APPEARANCE: CLEAR ALB- NIL SUG- NIL PUS CELLS-NIL EPI CELLS- NIL BS/BP: NIL		
BLOOD GROUP: O RH POSITIVE		

- IMPRESSION: REFRACTIVE ERROR, LEFT EAR MILD HEARING LOSS, ABNORMAL PFT
- ADVICE: OPHTHAL REFERENCE, ENT REFERENCE, BREATHING EXERCISES
- OPINION: FIT TO WORK

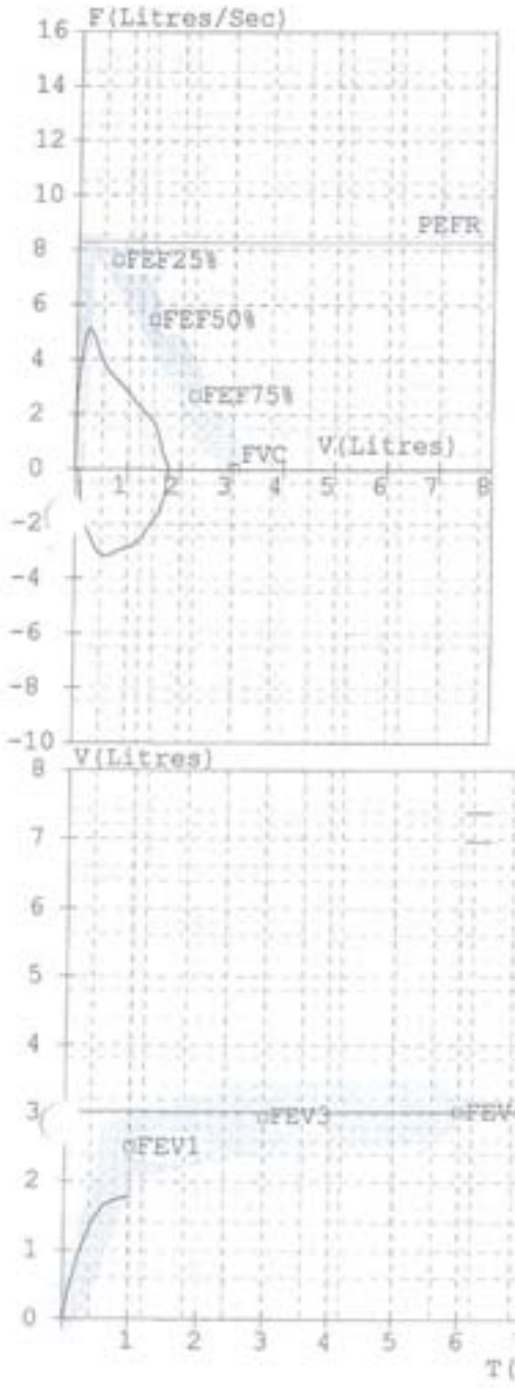
DR. SACHIN A. DESHMUKH (MBBS, AFIH)

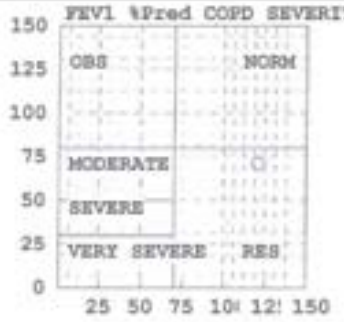
Dr. SACHIN ARUN DESHMUKH
M.B.B.S, A.F.I.H
Reg. No.-2000/02/ 01024
Saraswati Hospital, Rakholi

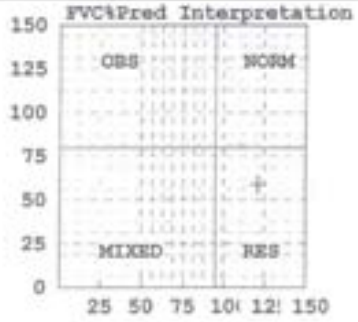
SARASWATI HOSPITAL

RATAN COMPLEX, NR BANK OF BARODA, RAKHOLI, 396230

Patient: RATANLAL YADAV	Age : 38 Years	Gender : Male	
Refd. By:	Height : 161 Cms	Smoker : No	
Pred.Eqns: RECORDERS	Weight : 49 Kgs	Eth. Corr: 100	
Date : 01-May-2018 05:56 PM	ID: 690	Temp :	







Spirometry(FVC Results)

Parameter		Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC	(L)	03.03	01.79	059	-----	---	---
FEV1	(L)	02.51	01.79	071	-----	---	---
FEV1/FVC	(%)	82.84	100.00	121	-----	---	---
FEF25-75	(L/s)	03.86	02.84	074	-----	---	---
PEFR	(L/s)	08.28	05.09	061	-----	---	---
FIVC	(L)	-----	01.72	---	-----	---	---
FEV.5	(L)	-----	01.51	---	-----	---	---
FEV3	(L)	02.94	01.79	061	-----	---	---
PIFR	(L/s)	-----	03.17	---	-----	---	---
FEF75-85	(L/s)	-----	01.73	---	-----	---	---
FEF.2-1.2	(L/s)	06.57	03.31	050	-----	---	---
FEF 25%	(L/s)	07.60	04.18	055	-----	---	---
FEF 50%	(L/s)	05.45	02.97	054	-----	---	---
FEF 75%	(L/s)	02.68	02.00	075	-----	---	---
FEV.5/FVC	(%)	-----	84.36	---	-----	---	---
FEV3/FVC	(%)	97.03	100.00	103	-----	---	---
FET	(Sec)	-----	01.04	---	-----	---	---
ExplTime	(Sec)	-----	00.05	---	-----	---	---
Lung Age	(Yrs)	038	049	129	-----	---	---
FEV6	(L)	03.03	-----	---	-----	---	---
FIF25%	(L/s)	-----	02.01	---	-----	---	---
FIF50%	(L/s)	-----	02.85	---	-----	---	---
FIF75%	(L/s)	-----	03.17	---	-----	---	---

Pre Test COPD Severity

Restrictive stage COPD as FEV1/FVC >= 70% and FEV1 < 80%

Pre Medication Report Indicates

Early Small Airway Obstruction as FEF 25-75 %Pred or PEFR %Pred < 70

Moderate Restriction as (FEV1/FVC) %Pred >95 and FVC%Pred <64

contents of this report require clinical co-relation before any clinical action.

http://www.rmsindia.com © RMS Spirometer(Helios_v3.1.83)

Dr. SACHIN ARUN DESHMUKH
M.B.B.S, A.F.I.H
Reg. No.-2000/02/ 01024
Saraswati Hospital

AN ISO 9001:2015 Certified Hospital

24 HOURS EMERGENCY SERVICES

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Mobile : +91-98986 93381 / +91-99981 88247 • **E-mail :** saraswaticlinic@gmail.com

ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 6
- NAME: JAYDEEPKUMAR C PATEL
- DEPT: FIRE & SAFETY EC NO: 38
- AGE: 30 YRS/ M
- PULSE- 86 /MIN BP- 120/80 MMHG
- HT- 170 CMS WT- 69 kg BMI- 23.88 kg/m^2 (N 18.5 – 25)
- SYSTEMIC EXAMINATION: NAD
- SKIN : NAD
- ENT: NAD
- PAST HISTORY: NP
- FAMILY HISTORY: NP
- PERSONAL HISTORY: NP
- CURRENT COMPLAINTS: NP
-

VISION TEST	LEFT EYE	RIGHT EYE
NEAR	N6	N6
DISTANT	6/6	6/6
COLOUR	NORMAL	NORMAL

VISION IMPRESSION: NORMAL

- AUDIOMETRY: NORMAL

FREQUENCY Hz	Threshold Db	
	Left ear	Right ear
2000	20	20
4000	25	25
6000	25	25
8000	20	20

- PFT: MODERATE RESTRICTION

24 HOURS EMERGENCY SERVICES

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Mobile : +91-98986 93381 / +91-99981 88247 • **E-mail :** saraswaticlinic@gmail.com

ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 6
- NAME: JAYDEEPKUMAR C PATEL
- AGE: 30 YRS/ M

- PATHOLOGICAL REPORTS:

	RESULT	NORMAL VALUE
HB	12.70 gm%	(N 13.5 - 17)MALES (N 12 – 16) FEMALES
WBC	8800 /cumm	(N 4000-11000)
RBC	5.95 mill/cumm	(N 4.6 – 6.2)
PLATELET COUNT	2.55 lac/cumm	(N 1.5 - 4)
DIFFERENTIAL COUNT	P86 L35 E3 M2 B0	P 55-70%, L 20-40%, E 1-6%, M 2-8%, B 0-1%
HCT MCV MCH MCHC	40.90 % 68.70 fl 21.30 pg 31.10 %	(N 40-54) (N 80-96) (N 27-31) (N 32-36)
BLOOD SUGAR-RANDOM	75 mg/dl	(N 70-200)
URINE: NAD COLOUR : PALE YELLOW APPEARANCE: CLEAR ALB- NIL SUG- NIL PUS CELLS-NIL EPI CELLS- NIL BS/BP: NIL		
BLOOD GROUP: O RH POSITIVE		

- IMPRESSION: ABNORMAL PFT, LOW HB
- ADVICE: BREATHING EXERCISES, IRON RICH DIET, HEMATINICS
- OPINION: FIT TO WORK

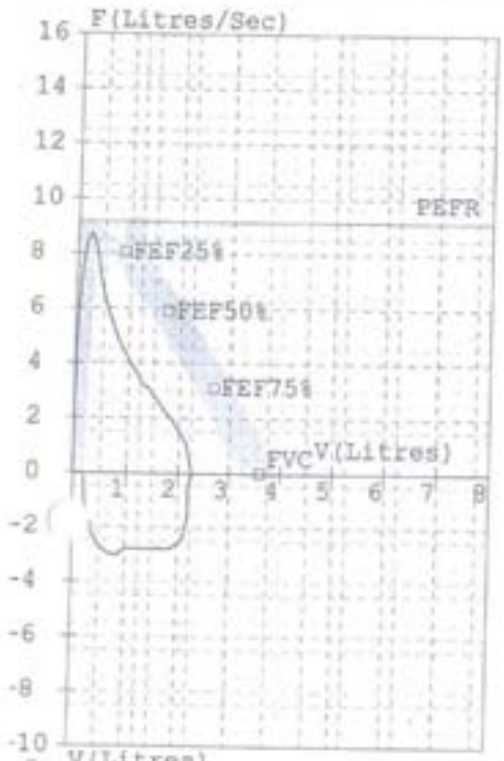
DR. SACHIN A. DESHMUKH (MBBS, AFIH)

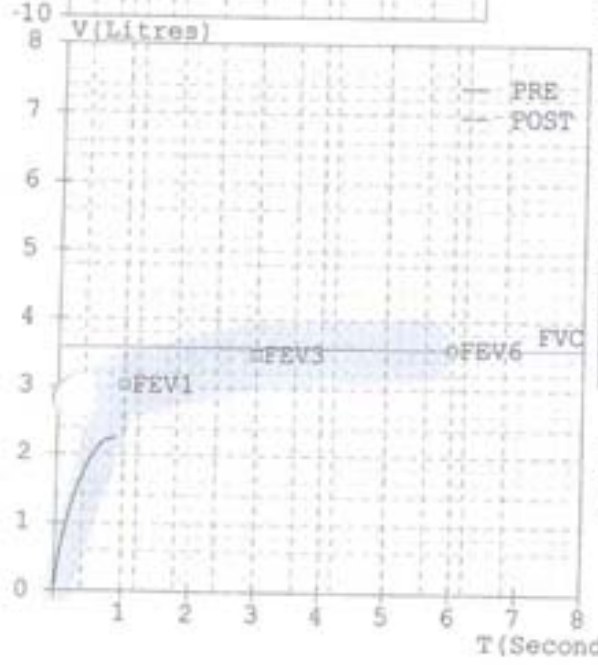
Dr. SACHIN ARUN DESHMUKH
M.B.B.S, A.F.I.H
Reg. No.-2000/02/ (M) ...
Saras... Hosp...

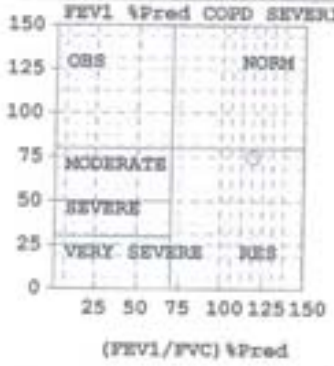
SARASWATI HOSPITAL

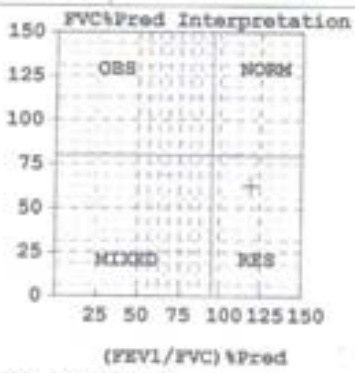
RATAN COMPLEX, NR BANK OF BARODA, RAKHOLI, 396230

Patient: JAYDEEP PATEL	Age : 31 Years	Gender : Male	
Refd. By: Dr Sachin	Height : 170 Cms	Smoker : No	
Pred.Eqns: RECORDERS	Weight : 69 Kgs	Eth. Corr: 100	
Date : 01-May-2018 06:25 PM	ID: 695	Temp :	









Spirometry(FVC Results)

Parameter		Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC	(L)	03.58	02.25	063	-----	---	---
FEV1	(L)	03.02	02.25	075	-----	---	---
FEV1/FVC	(%)	84.36	100.00	119	-----	---	---
FEF25-75	(L/s)	04.34	03.57	082	-----	---	---
PEFR	(L/s)	09.16	08.57	094	-----	---	---
FIVC	(L)	-----	02.08	---	-----	---	---
FEV.5	(L)	-----	01.93	---	-----	---	---
FEV3	(L)	03.47	02.25	065	-----	---	---
PIFR	(L/s)	-----	03.02	---	-----	---	---
FEF75-85	(L/s)	-----	02.03	---	-----	---	---
FEF.2-1.2	(L/s)	07.50	05.21	069	-----	---	---
FEF 25%	(L/s)	08.06	06.09	076	-----	---	---
FEF 50%	(L/s)	05.89	03.75	064	-----	---	---
FEF 75%	(L/s)	03.09	02.32	075	-----	---	---
FEV.5/FVC	(%)	-----	85.78	---	-----	---	---
FEV3/FVC	(%)	96.93	100.00	103	-----	---	---
FET	(Sec)	-----	00.87	---	-----	---	---
ExplTime	(Sec)	-----	00.03	---	-----	---	---
Lung Age	(Yrs)	031	039	126	-----	---	---
FEV6	(L)	03.58	-----	---	-----	---	---
FIF25%	(L/s)	-----	02.73	---	-----	---	---
FIF50%	(L/s)	-----	02.79	---	-----	---	---
FIF75%	(L/s)	-----	02.96	---	-----	---	---

Pre Test COPD Severity

Restrictive stage COPD as FEV1/FVC >= 70% and FEV1 < 80%

Pre Medication Report Indicates
Moderate Restriction as (FEV1/FVC)%Pred >95 and FVC%Pred <64

DR SACHIN A DESHMUKH

ontents of this report require clinical co-relation before any clinical action.

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24 HOURS EMERGENCY SERVICES

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Mobile : +91-98986 93381 / +91-99981 88247 • **E-mail :** saraswaticlinic@gmail.com

ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 5
- NAME: SHIV KUMAR TIWARI
- DEPT: FIRE & SAFETY EC NO: 549
- AGE: 29 YRS/ M
- PULSE- 90 /MIN BP- 110/80 MMHG
- HT- 163 CMS WT- 61 kg BMI- 22.96 kg/m^2 (N 18.5 – 25)
- SYSTEMIC EXAMINATION: NAD
- SKIN : NAD
- ENT: NAD
- PAST HISTORY: NP
- FAMILY HISTORY: NP
- PERSONAL HISTORY: NP
- CURRENT COMPLAINTS: NP
-

VISION TEST	LEFT EYE	RIGHT EYE
NEAR	N6	N6
DISTANT	6/6	6/6
COLOUR	NORMAL	NORMAL

VISION IMPRESSION: NORMAL

- AUDIOMETRY: NORMAL

FREQUENCY Hz	Threshold Db	
	Left ear	Right ear
2000	20	20
4000	25	25
6000	25	30
8000	20	20

- PFT: NORMAL

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ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 5
- NAME: SHIV KUMAR TIWARI
- AGE: 29 YRS/ M

- PATHOLOGICAL REPORTS:

	RESULT	NORMAL VALUE
HB	14.60 gm%	(N 13.5 - 17)MALES (N 12 – 16) FEMALES
WBC	8000 /cumm	(N 4000-11000)
RBC	4.94 mill/cumm	(N 4.6 – 6.2)
PLATELET COUNT	2.09 lac/cumm	(N 1.5 - 4)
DIFFERENTIAL COUNT	P90 L40 E3 M2 B0	P 55-70%, L 20-40%, E 1-6%, M 2-8%, B 0-1%
HCT MCV MCH MCHC	43.70 % 88.50 fl 29.60 pg 33.40 %	(N 40-54) (N 80-96) (N 27-31) (N 32-36)
BLOOD SUGAR-RANDOM	70 mg/dl	(N 70-200)
URINE: NAD COLOUR : PALE YELLOW APPEARANCE: CLEAR ALB- NIL SUG- NIL PUS CELLS-NIL EPI CELLS- OCC BS/BP: NIL		
BLOOD GROUP: A RH POSITIVE		

- IMPRESSION: NOTHING PARTICULAR
- ADVICE: NOTHING PARTICULAR
- OPINION: FIT TO WORK

DR. SACHIN A. DESHMUKH (MBBS, AFIH)

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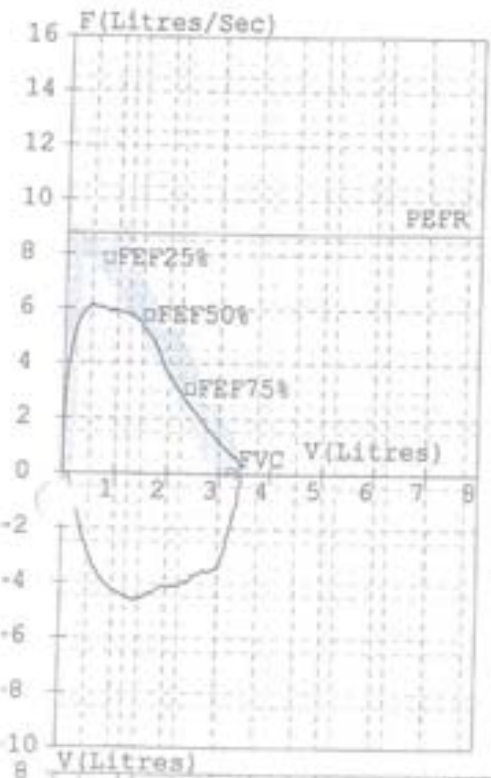
SARASWATI HOSPITAL

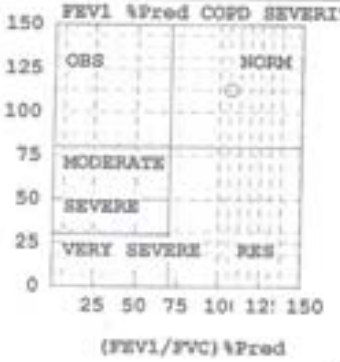
RATAN COMPLEX, NR BANK OF BARODA, RAKHOLI, 396230

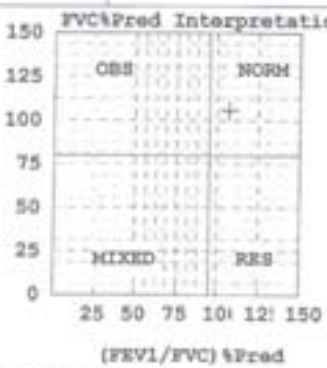
Patient: SHIUVKUMAR TIWARI
Refd. By: Dr Sachin
Pred.Eqns: RECORDERS
Date : 01-May-2018 06:18 PM

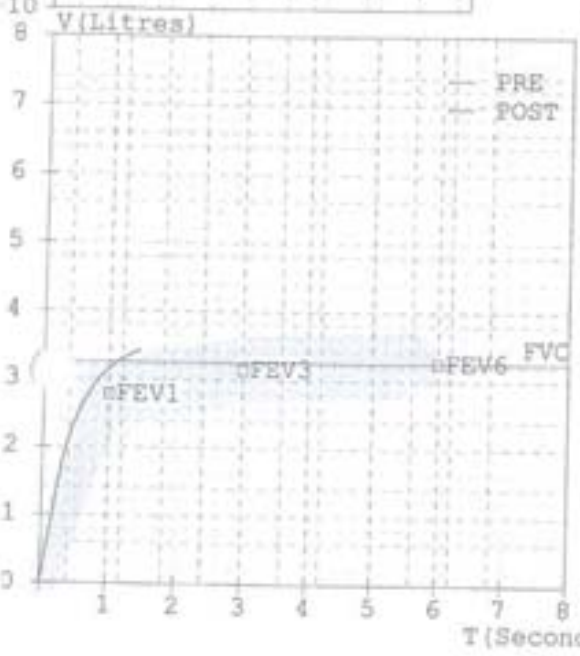
Age : 29 Years
Height : 163 Cms
Weight : 61 Kgs
ID: 694

Gender : Male
Smoker : No
Eth. Corr: 100
Temp :









Spirometry(FVC Results)

Parameter		Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC	(L)	03.25	03.43	106	-----	---	---
FEV1	(L)	02.78	03.15	113	-----	---	---
FEV1/FVC	(%)	85.54	91.84	107	-----	---	---
FEF25-75	(L/s)	04.30	04.00	093	-----	---	---
PEFR	(L/s)	08.74	06.08	070	-----	---	---
FIVC	(L)	-----	03.32	---	-----	---	---
FEV.5	(L)	-----	02.41	---	-----	---	---
FEV3	(L)	03.16	03.43	109	-----	---	---
PIFR	(L/s)	-----	04.58	---	-----	---	---
FEF75-85	(L/s)	-----	01.60	---	-----	---	---
FEF.2-1.2	(L/s)	07.28	05.79	080	-----	---	---
FEF 25%	(L/s)	07.86	05.80	074	-----	---	---
FEF 50%	(L/s)	05.77	04.90	085	-----	---	---
FEF 75%	(L/s)	03.07	02.14	070	-----	---	---
FEV.5/FVC	(%)	-----	70.26	---	-----	---	---
FEV3/FVC	(%)	97.23	100.00	103	-----	---	---
FET	(Sec)	-----	01.47	---	-----	---	---
ExplTime	(Sec)	-----	00.08	---	-----	---	---
Lung Age	(Yrs)	029	025	086	-----	---	---
FEV6	(L)	03.25	-----	---	-----	---	---
FIF25%	(L/s)	-----	03.51	---	-----	---	---
FIF50%	(L/s)	-----	04.17	---	-----	---	---
FIF75%	(L/s)	-----	04.29	---	-----	---	---

Pre Test COPD Severity

Test within normal limits

Pre Medication Report Indicates
Spirometry within normal limits as (FEV1/FVC)%Pred >95 and FVC%Pred >80.

DR SACHIN A DESHMUKH

ntents of this report require clinical co-relation before any clinical action.

http://www.rmsindia.com © RMS Spirometer(Helios_v3.1.51)

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ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 3
- NAME: SANKET KUMAR K PATEL
- DEPT: FIRE & SAFETY EC NO: 546
- AGE: 24 YRS/ M
- PULSE- 84 /MIN BP- 130/80 MMHG
- HT- 173 CMS WT- 75 kg BMI- 25.06 kg/m^2 (N 18.5 – 25)
- SYSTEMIC EXAMINATION: NAD
- SKIN : NAD
- ENT: NAD
- PAST HISTORY: NP
- FAMILY HISTORY: NP
- PERSONAL HISTORY: NP
- CURRENT COMPLAINTS: NP
-

VISION TEST	LEFT EYE	RIGHT EYE
NEAR	N6	N6
DISTANT	6/6	6/6
COLOUR	NORMAL	NORMAL

VISION IMPRESSION: NORMAL

- AUDIOMETRY: NORMAL

FREQUENCY Hz	Threshold Db	
	Left ear	Right ear
2000	20	20
4000	26	25
6000	30	25
8000	30	26

- PFT: MODERATE RESTRICTION

24 HOURS EMERGENCY SERVICES

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ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 3
- NAME: SANKET KUMAR K PATEL
- AGE: 24 YRS/ M

- PATHOLOGICAL REPORTS:

	RESULT	NORMAL VALUE
HB	13.00 gm%	(N 13.5 - 17)MALES (N 12 – 16) FEMALES
WBC	7600 /cumm	(N 4000-11000)
RBC	3.89 mill/cumm	(N 4.6 – 6.2)
PLATELET COUNT	2.75 lac/cumm	(N 1.5 - 4)
DIFFERENTIAL COUNT	P84 L38 E4 M2 B0	P 55-70%, L 20-40%, E 1-6%, M 2-8%, B 0-1%
HCT MCV MCH MCHC	39.80 % 102.00 fl 33.40 pg 32.70 %	(N 40-54) (N 80-96) (N 27-31) (N 32-36)
BLOOD SUGAR-RANDOM	84 mg/dl	(N 70-200)
URINE: NAD COLOUR : PALE YELLOW APPEARANCE: CLEAR ALB- NIL SUG- NIL PUS CELLS-NIL EPI CELLS- NIL BS/BP: NIL		
BLOOD GROUP: A RH POSITIVE		

- IMPRESSION: OVERWEIGHT, ABNORMAL PFT, LOW HB
- ADVICE: WEIGHT REDUCTION, BREATHING EXERCISES, IRON RICH DIET, HEMATINICS
- OPINION: FIT TO WORK

DR. SACHIN A. DESHMUKH (MBBS, AFIH)

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Reg No.-2000/02/ 01024
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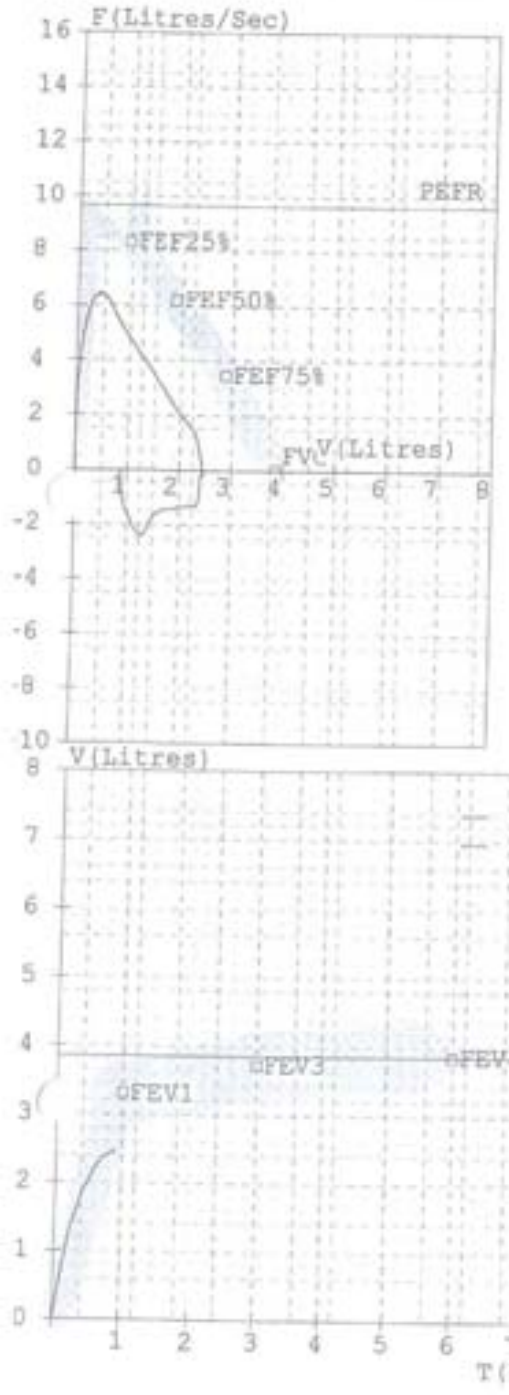
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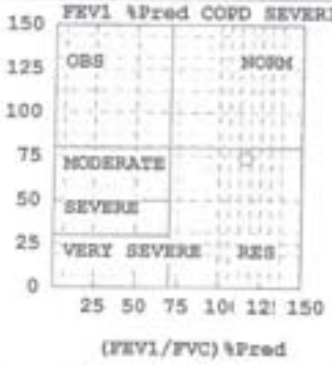
RATAN COMPLEX, NR BANK OF BARODA, RAKHOLI, 396230

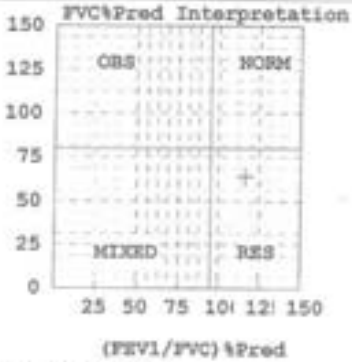
Patient: SANKET K PATEL
Refd. By: Dr Sachin
Pred.Eqns: RECORDERS
Date : 01-May-2018 06:10 PM

Age : 23 Years
Height : 173 Cms
Weight : 75 Kgs
ID: 692

Gender : Male
Smoker : No
Eth. Corr: 100
Temp :







Spirometry(FVC Results)

Parameter		Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC	(L)	03.84	02.45	064	-----	---	---
FEV1	(L)	03.31	02.45	074	-----	---	---
FEV1/FVC	(%)	86.20	100.00	116	-----	---	---
FEF25-75	(L/s)	04.76	03.92	082	-----	---	---
PEFR	(L/s)	09.66	06.40	066	-----	---	---
FIVC	(L)	-----	01.58	---	-----	---	---
FEV.5	(L)	-----	02.04	---	-----	---	---
FEV3	(L)	03.72	02.45	066	-----	---	---
PIFR	(L/s)	-----	02.39	---	-----	---	---
FEF75-85	(L/s)	-----	02.06	---	-----	---	---
FEF.2-1.2	(L/s)	08.20	05.38	066	-----	---	---
FEF 25%	(L/s)	08.32	06.08	073	-----	---	---
FEF 50%	(L/s)	06.21	04.16	067	-----	---	---
FEF 75%	(L/s)	03.46	02.50	072	-----	---	---
FEV.5/FVC	(%)	-----	83.27	---	-----	---	---
FEV3/FVC	(%)	96.88	100.00	103	-----	---	---
FET	(Sec)	-----	00.91	---	-----	---	---
ExplTime	(Sec)	-----	00.07	---	-----	---	---
Lung Age	(Yrs)	023	029	126	-----	---	---
FEV6	(L)	03.84	-----	---	-----	---	---
FIF25%	(L/s)	-----	02.11	---	-----	---	---
FIF50%	(L/s)	-----	00.96	---	-----	---	---
FIF75%	(L/s)	-----	01.33	---	-----	---	---

Pre Test COPD Severity

Restrictive stage COPD as FEV1/FVC >= 70% and FEV1 < 80%

Pre Medication Report Indicates

Early Small Airway Obstruction as FEF 25-75 %Pred or PEFR %Pred < 70
Moderate Restriction as (FEV1/FVC)%Pred >95 and FVC%Pred <64

DR SACHIN A DESHMUKH

ments of this report require clinical co-relation before any clinical action.

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24 HOURS EMERGENCY SERVICES

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ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 4
- NAME: SUMAN M VARTHA
- DEPT: ADMIN EC NO: 182
- AGE: 25 YRS/ M
- PULSE- 84 /MIN BP- 136/80 MMHG
- HT- 157 CMS WT- 50 kg BMI- 20.28 kg/m^2 (N 18.5 – 25)
- SYSTEMIC EXAMINATION: NAD
- SKIN : NAD
- ENT: NAD
- PAST HISTORY: NP
- FAMILY HISTORY: NP
- PERSONAL HISTORY: NP
- CURRENT COMPLAINTS: NP
-

VISION TEST	LEFT EYE	RIGHT EYE
NEAR	N6	N6
DISTANT	6/6	6/6
COLOUR	NORMAL	NORMAL

VISION IMPRESSION: NORMAL

- AUDIOMETRY: NORMAL

FREQUENCY Hz	Threshold Db	
	Left ear	Right ear
2000	20	20
4000	25	22
6000	30	25
8000	30	20

- PFT: MILD RESTRICTION

24 HOURS EMERGENCY SERVICES

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ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 4
- NAME: SUMAN M VARTHA
- AGE: 25 YRS/ M

- PATHOLOGICAL REPORTS:

	RESULT	NORMAL VALUE
HB	13.20 gm%	(N 13.5 - 17)MALES (N 12 – 16) FEMALES
WBC	8900 /cumm	(N 4000-11000)
RBC	6.21 mill/cumm	(N 4.6 – 6.2)
PLATELET COUNT	1.73 lac/cumm	(N 1.5 - 4)
DIFFERENTIAL COUNT	P84 L41 E4 M3 B0	P 55-70%, L 20-40%, E 1-6%, M 2-8%, B 0-1%
HCT MCV MCH MCHC	43.10 % 69.40 fl 21.30 pg 30.60 %	(N 40-54) (N 80-96) (N 27-31) (N 32-36)
BLOOD SUGAR-RANDOM	105 mg/dl	(N 70-200)
URINE: NAD COLOUR : PALE YELLOW APPEARANCE: CLEAR ALB- NIL SUG- NIL PUS CELLS-NIL EPI CELLS- NIL BS/BP: NIL		
BLOOD GROUP: B RH POSITIVE		

- IMPRESSION: LOW HB
- ADVICE: IRON RICH DIET, HEMATINICS
- OPINION: FIT TO WORK

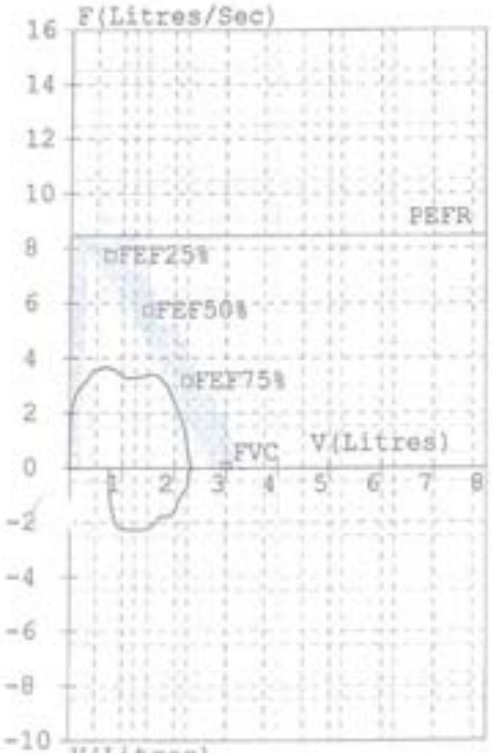
DR. SACHIN A. DESHMUKH (MBBS, AFIH)

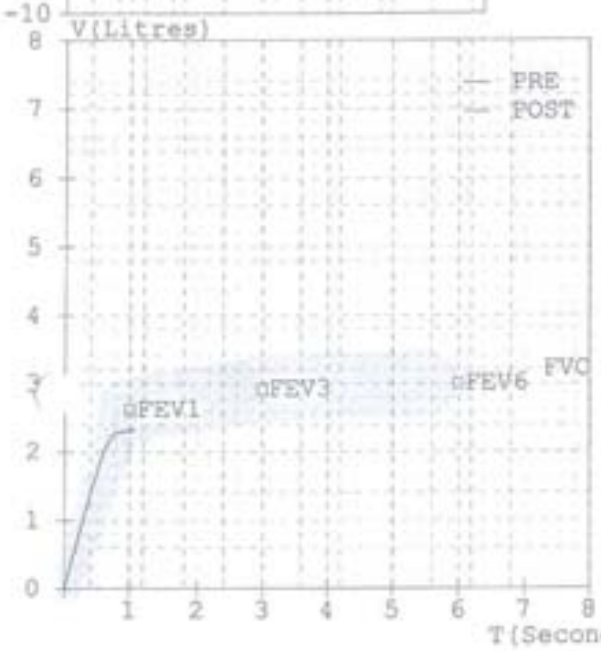
Dr. SACHIN ARUN DESHMUKH
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Reg. No-2[illegible]002/ 01024
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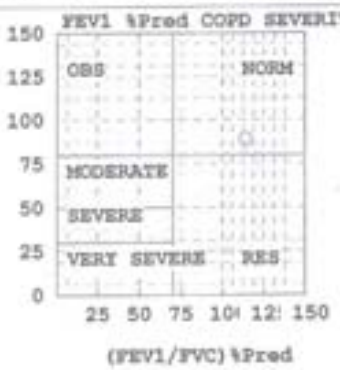
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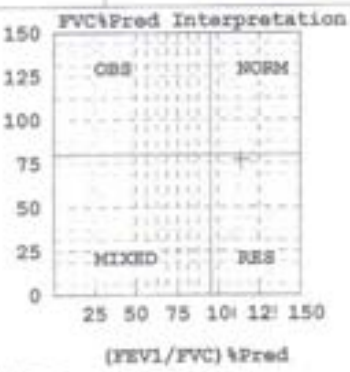
RATAN COMPLEX, NR BANK OF BARODA, RAKHOLI, 396230

Patient: SUMAN M VARTHA	Age : 25 Years	Gender : Male	
Refd. By: Dr Sachin	Height : 157 Cms	Smoker : No	
Pred.Eqns: RECORDERS	Weight : 50 Kgs	Eth. Corr: 100	
Date : 01-May-2018 06:14 PM	ID: 693	Temp :	









Spirometry(FVC Results)

Parameter		Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC	(L)	03.01	02.33	077	-----	---	---
FEV1	(L)	02.62	02.32	089	-----	---	---
FEV1/FVC	(%)	87.04	99.57	114	-----	---	---
FEF25-75	(L/s)	04.37	03.34	076	-----	---	---
PEFR	(L/s)	08.45	03.60	043	-----	---	---
FIVC	(L)	-----	01.58	---	-----	---	---
FEV.5	(L)	-----	01.71	---	-----	---	---
FEV3	(L)	02.92	02.33	080	-----	---	---
PIFR	(L/s)	-----	02.31	---	-----	---	---
FEF75-85	(L/s)	-----	02.75	---	-----	---	---
FEF.2-1.2	(L/s)	07.25	03.32	046	-----	---	---
FEF 25%	(L/s)	07.72	03.58	046	-----	---	---
FEF 50%	(L/s)	05.73	03.20	056	-----	---	---
FEF 75%	(L/s)	03.15	03.21	102	-----	---	---
FEV.5/FVC	(%)	-----	73.39	---	-----	---	---
FEV3/FVC	(%)	97.01	100.00	103	-----	---	---
FET	(Sec)	-----	01.09	---	-----	---	---
ExplTime	(Sec)	-----	00.17	---	-----	---	---
Lung Age	(Yrs)	025	028	112	-----	---	---
FEV6	(L)	03.01	-----	---	-----	---	---
FIF25%	(L/s)	-----	02.50	---	-----	---	---
FIF50%	(L/s)	-----	00.12	---	-----	---	---
FIF75%	(L/s)	-----	01.78	---	-----	---	---

Pre Test COPD Severity

Test within normal limits

Pre Medication Report Indicates

Early Small Airway Obstruction as FEF 25-75 %Pred or PEFR %Pred < 70

Mild Restriction as (FEV1/FVC)%Pred >95 and FVC%Pred <80

DR SACHIN A DESHMUKH

s contents of this report require clinical co-relation before any clinical action.

http://www.rmsindia.com © RMS Spirometer(Helios v3.1.81)

Dr. SACHIN ARUN DESHMUKH
M.B.B.S. A.F.I.
Reg. No.-2000/02/ 0102
Hospital Rakholi

AN ISO 9001:2015 Certified Hospital

24 HOURS EMERGENCY SERVICES

SARASWATI HOSPITAL

Healthcare with human touch

1st Floor, Ratan Complex, Near Bank of Baroda, **Rakholi** - 396 230. (U.T. of Dadra & Nagar Haveli)
Mobile : +91-98986 93381 / +91-99981 88247 • **E-mail :** saraswaticlinic@gmail.com

ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 2
- NAME: AMIT KUMAR SHAH
- DEPT: PACKING EC NO: 43
- AGE: 29 YRS/ M
- PULSE- 96 /MIN BP- 130/80 MMHG
- HT- 170 CMS WT- 77 kg BMI- 26.64 kg/m^2 (N 18.5 – 25)
- SYSTEMIC EXAMINATION: NAD
- SKIN : NAD
- ENT: NAD
- PAST HISTORY: NP
- FAMILY HISTORY: NP
- PERSONAL HISTORY: NP
- CURRENT COMPLAINTS: NP
-

VISION TEST	LEFT EYE	RIGHT EYE
NEAR	N6	N6
DISTANT	6/6	6/6
COLOUR	NORMAL	NORMAL

VISION IMPRESSION: NORMAL

- AUDIOMETRY: NORMAL

FREQUENCY Hz	Threshold Db	
	Left ear	Right ear
2000	23	20
4000	25	25
6000	25	25
8000	30	30

- PFT: MILD RESTRICTION

24 HOURS EMERGENCY SERVICES

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Mobile : +91-98986 93381 / +91-99981 88247 • **E-mail :** saraswaticlinic@gmail.com

ANNUAL MEDICAL EVALUATION 1 MAY 2018

BEEKAYLON SYNTHETICS PVT LTD, SILVASSA

- S NO: 2
- NAME: AMIT KUMAR SHAH
- AGE: 29 YRS/ M
- PATHOLOGICAL REPORTS:

	RESULT	NORMAL VALUE
HB	**11.90** gm%	(N 13.5 - 17)MALES (N 12 – 16) FEMALES
WBC	10000 /cumm	(N 4000-11000)
RBC	5.02 mill/cumm	(N 4.6 – 6.2)
PLATELET COUNT	1.88 lac/cumm	(N 1.5 - 4)
DIFFERENTIAL COUNT	P96 L33 E2 M1 B0	P 55-70%, L 20-40%, E 1-6%, M 2-8%, B 0-1%
HCT MCV MCH MCHC	38.10 % 75.90 fl 23.70 pg 31.20 %	(N 40-54) (N 80-96) (N 27-31) (N 32-36)
BLOOD SUGAR-RANDOM	**238** mg/dl	(N 70-200)
URINE: GLYCOSURIA COLOUR : PALE YELLOW APPEARANCE: CLEAR ALB- NIL **SUG- +++** PUS CELLS-OCC EPI CELLS- NIL BS/BP: NIL		
BLOOD GROUP: A RH POSITIVE		

- IMPRESSION: OVERWEIGHT, HIGH RANDOM BLOOD SUGAR, GLYCOSURIA, LOW HB
- ADVICE: WEIGHT REDUCTION, CHECK FBS/PLBS/HBA1C, TREATMENT ACCORDINGLY, IRON RICH DIET, HEMATINICS
- OPINION: FIT TO WORK

DR. SACHIN A. DESHMUKH (MBBS, AFIH)

Dr. SACHIN ARUN DESHMUKH
M.B.B.S, A.F.I.H
Reg. No.-2000/02/ 01024
Saraswati Hospital, Rakholi

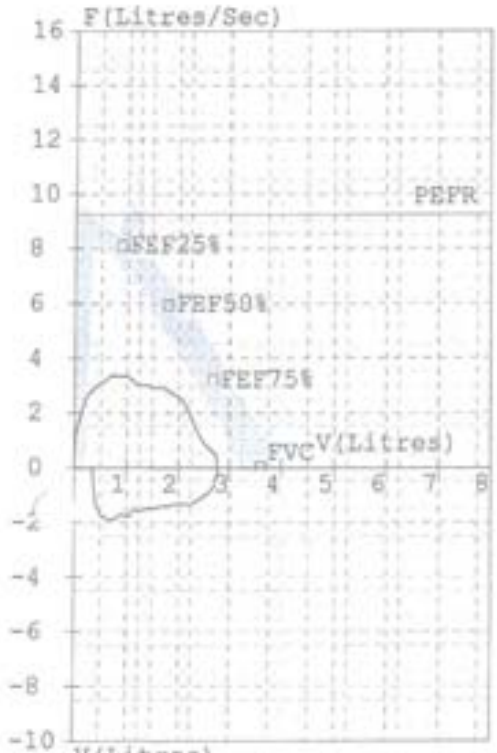
SARASWATI HOSPITAL

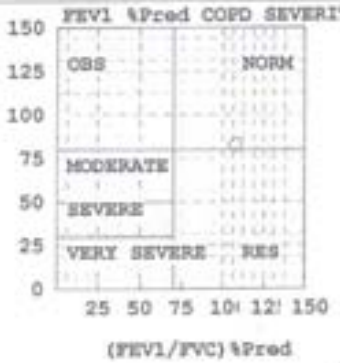
RATAN COMPLEX, NR BANK OF BARODA, RAKHOLI, 396230

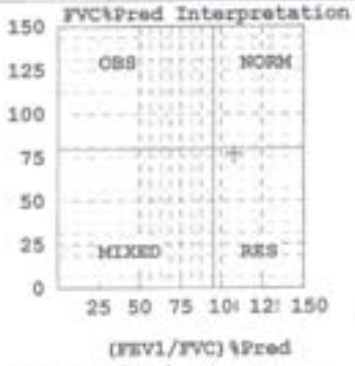
Patient: AMIT KUMAR SHAH
Refd. By: Dr Sachin
Pred.Eqns: RECORDERS
Date : 01-May-2018 06:04 PM

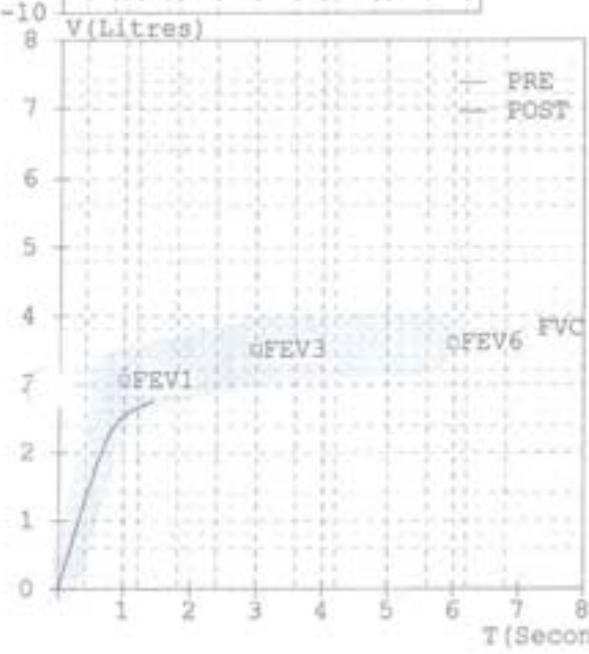
Age : 29 Years
Height : 170 Cms
Weight : 77 Kgs
ID: 691

Gender : Male
Smoker : No
Eth. Corr: 100
Temp :









Spirometry(FVC Results)

Parameter		Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC	(L)	03.60	02.77	077	-----	---	---
FEV1	(L)	03.06	02.54	083	-----	---	---
FEV1/FVC	(%)	85.00	91.70	108	-----	---	---
FEF25-75	(L/s)	04.44	02.91	066	-----	---	---
PEFR	(L/s)	09.24	03.32	036	-----	---	---
FIVC	(L)	-----	02.42	---	-----	---	---
FEV.5	(L)	-----	01.59	---	-----	---	---
FEV3	(L)	03.50	02.77	079	-----	---	---
PIFR	(L/s)	-----	01.90	---	-----	---	---
FEF75-85	(L/s)	-----	01.83	---	-----	---	---
FEF.2-1.2	(L/s)	07.64	03.01	039	-----	---	---
FEF 25%	(L/s)	08.10	03.26	040	-----	---	---
FEF 50%	(L/s)	05.95	02.95	050	-----	---	---
FEF 75%	(L/s)	03.17	02.40	076	-----	---	---
FEV.5/FVC	(%)	-----	57.40	---	-----	---	---
FEV3/FVC	(%)	97.22	100.00	103	-----	---	---
FET	(Sec)	-----	01.44	---	-----	---	---
ExplTime	(Sec)	-----	00.24	---	-----	---	---
Lung Age	(Yrs)	029	034	117	-----	---	---
FEV6	(L)	03.60	-----	---	-----	---	---
FIF25%	(L/s)	-----	01.06	---	-----	---	---
FIF50%	(L/s)	-----	01.35	---	-----	---	---
FIF75%	(L/s)	-----	01.58	---	-----	---	---

Pre Test COPD Severity

Test within normal limits

Pre Medication Report Indicates

Early Small Airway Obstruction as FEF 25-75 %Pred or PEFR %Pred < 70

Mild Restriction as (FEV1/FVC)%Pred >95 and FVC%Pred <80

DR SACHIN A DESHMUKH

s contents of this report require clinical co-relation before any clinical action.

http://www.rmsindia.com © RMS Spirometer(Helios_v3.1.85)

Annexure-VII

- The employees' safety training records.

BEEKAYLON SYNTHETICS PVT LTD

SILVASSA

TRAINING FORM

Name of unit:- POY Division

Name of Training Course/Module : Basic Fire & Safety Training

Duration of the Programme: 1 Hour. Place: Canteen

Faculty: Jaydeep Patel Date: 14/04/18. Time: 15:30 To 16:30 hrs.

DETAILS OF TRAINEES SELECTED FOR THE TRAINING

Sr. NO.	Name Of Trainees	Designation	Dept.	E-code	Signature as a token of attendance in the training	Remarks
1	Satnarayan Singh	Opt.	Takeup.	480	Satyanarayan	
2	Murora Thakur	"	"	177		
3	Shivanand Prasad	"	"	481	Shivanand	
4	Ravi Singh	Chekker	Q.C.	371		
5	Harish Chand Singh	Chemist	Q.C.	162		
6	Manoj Kumar	Checker	Q.C.	110		
7	Rishikesh Kushwaha	checker	Q.C	446	Rishi	
8	Nilesh A. Vasli	Machine shade	Q.C.	186.		
9	Gulshan Kumar	D.Checker	Q.C.	523		
10	Sudhir Kumar	Chekker	Q.C.	309		
11	Mayur Magnar Patel	checker	Q.C.	419.		
12	Hidayat Ali	Opt.	T.Up.	297		
13	Satish Patel	Checker	Q.C.	166		
14	Om Prakash	"	"	252		
15	Pawan Kr. Chandram	Opt.	Spining	526		
16	Om Prakash	Sup.	Packing	106		
17	Ashutosh Singh	Jr. Engineer.	Prodn.	161		
18	Nagendra Chauhan	Jr. Engineer	Mech.	158.		
19						
20						

Faculty Sign:

BEEKAYLON SYNTHETICS PVT LTD

SILVASSA

TRAINING FORM

Name of unit:- POY Division.

Name of Training Course/Module : Basic Fire Fighting Training.

Duration of the Programme: 1 Hour. **Place:** Canteen Area.

Faculty: Jaydeep Patel. **Date:** 07/04/17. **Time:** 16:00hrs to 18:00hrs

DETAILS OF TRAINEES SELECTED FOR THE TRAINING

Sr. NO.	Name Of Trainees	Designation	Dept.	E-code	Signature as a token of attendance in the training	Remarks
1	Bikendra Verma	Opt.	T/up.	357		
2	Kanhya Prasad	Tr. Opl.	Spng	New		
3	Hemant Kumar	Sup.	Dispatch.	125		
4	Vivek Verma	Helper	Dispatch	Cont.		
5	Majid Ghalrak	Checker	Q.C.	37		
6	Ratanlal Yadav	"	"	113		
7	Ajay Pandey	"	"	244		
8	Pratik Shukla	Engineer.	Ele.	145		
9	Jeet Pratap Mourya	Fitter	Mech	325		
10						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Faculty Sign:


Basic Fire fighting Training

सत्यमेव जयते

U.T Administration of Dadra & Nagar Haveli

Dadra & Nagar Haveli Disaster Management Authority (DNHDMA)

CERTIFICATE

of Participation

nidm
Towards a disaster free India.....

This is to certify that

Mr./Ms. JAYDEEP PATEL *has successfully completed the training on Industrial Emergencies : Risk Analysis, Planning & Preparedness from 25 - 29 September 2017 at Silvassa, Dadra & Nagar Haveli organized by Dadra & Nagar Haveli Disaster Management Authority [DNHDMA] in association with National Institute of Disaster Management (NIDM), New Delhi.*

Collector / District Magistrate

भारत सरकार
Government of India
जल संसाधन, नदी विकास और गंगा संरक्षण मंत्रालय
Ministry of Water Resources, River Development & Ganga Rejuvenation
केन्द्रीय भूमि जल बोर्ड, मध्य क्षेत्र, नागपुर
Central Ground Water Board, Central Region, Nagpur
राजीव गांधी राष्ट्रीय भूमि जल प्रशिक्षण एवं अनुसंधान संस्थान, रायपुर के तत्वावधान में
Under the aegis of Rajiv Gandhi National Ground Water Training & Research Institute, Raipur

जल बचत जल संचय

तृतीय स्तर प्रशिक्षण कार्यक्रम / Tier III Training Course

प्रमाणपत्र / Certificate

प्रमाणित किया जाता है कि कु. / श्रीमती / श्री जयदीप कुमार सी० पटेल, फायर एवं सुरक्षा अधिकारी बिर्ला सिंथेटिक्स प्रा० लि०, सामरवानी ने सिलवासा, संघ शासित प्रदेश, दादरा एवं नगर हवेली में दिनांक 27/09/2016 से 28/09/2016 तक "जन सहभाग द्वारा जलभृत प्रबंधन" इस विषय पर आयोजित दो दिवसीय प्रशिक्षण पाठ्यक्रम सफलतापूर्वक पूर्ण किया ।

This is to certify that Ku. / Smt / Shri _____ has successfully completed the two days training course on "Aquifer Management through Participatory Approach" held at Silvassa, UT of Dadra & Nagar Haveli from 27/09/2016 to 28/09/2016.

(डॉ. प्रभात कु. जैन / Dr. Prabhat K. Jain)	(श्री. डी. सुब्बाराव / Shri D. Subba Rao)	(श्री. के.सी. नायक / Shri K.C. Naik)
पाठ्यक्रम निदेशक / Course Director	क्षेत्रीय निदेशक / Regional Director	सदस्य (RGI) / Member (RGI)
के.भू.ज.बो (म.क्षेत्र), नागपुर / CGWB(CR), Nagpur	के.भू.ज.बो (म.क्षेत्र), नागपुर / CGWB(CR), Nagpur	के.भू.ज.बो., फरीदाबाद / CGWB, Faridabad







Annexure-VIII

- Acknowledge copy of submitted last six monthly EC Compliance report.

SP SILVASSA <396230>
EG511480859IN
Counter No:2,OP-Code:PA1
To:THE DIRECTOR,
RAVI SHANKAR NAGAR, PIN:462016
From:BEEKAYLON , SILVASAS
Wt:710grams,
PS:68.00, , 29/08/2012 , 11:55
Taxes:Rs.7.42<EDD(If not a holiday):00:00:00

Beekaylon SYI

Date: November 23. 2011

To,
The Director (S)
Ministry of Environment and Forests,
Regional Office (Western Region),
"Kendriya Paryavaran Bhavan"
Link Raod no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of half yearly Environmental Clearance compliance report (from April-2011 to September-2011).

Ref.: E.C. Letter No. F.No.J-11011/66/2010-IA-II (I) Dated 30-12-2011
Letter No. 5-6/2011(ENV)/2735 Dated 07-03-2011

Dear Sir,
As per the EIA Notification-2006 and our above referred environmental clearance, we are submitting the under mentioned information.

1. Our project commissions in the month of April-2011 and regular production started on 20th April 2011 accordingly to manufacture Polyester oriented yarn/ Fully drawn yarn and Texturised/ twisted yarn other than rayon using polyester chips.
2. Point wise compliance status to various stipulations as laid down by Ministry along with half yearly compliance report (From April-2011 to September-2011) along with the monthly monitoring reports of various environmental parameters is enclosed for your kind consideration and record. Also we are enclosing the same in CD.
3. Copies of consent to establish and application for consent to operate under Water Act-1974 and Air Act-1981, and Authorization under Hazardous Waste Rules from the Pollution Control Committee (Daman & Diu and Dadra & Nagar Haveli) and copy of advertisement published in the news paper are enclosed for your kind consideration.
4. The information as per your data sheet is enclosed.

We hope that above and enclosed information are as per the requirements.

Thanking you,
Yours truly,
For Beekaylon Synthetics Pvt. Ltd.

(Authorized Signatory)
Encl.: A/a.

Works-1 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-2 : Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
: (0260) 2640842, 2640843, Fax : 2640641 E-mail : silvassa@bklon.com, bslsilvassa@rediffmail.com

& **Administrative Office** : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com

Beekaylon SYNTI

SP SILVASSA (396230)
EE503903312IN
Counter No:1,OP-Code:11
To:MCF,
Bhopal, PIN:462016
From:BEEKAYLON , SILVASSA
Wt:0Grams.
Amt:60.00 , 30/08/2012 , 10:54
Taxes:Rs.0.00(EDS(If not a holiday):00.

Date: May 22, 2012

To,
The Director (S)
Ministry of Environment and Forests,
Regional Office (Western Region),
"Kendriya Paryavaran Bhavan"
Link Raod no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of half yearly Environmental Clearance compliance report (from October-2011 to March-2012).

Ref.: E.C. Letter No. F.No.J-11011/66/2010-IA-II (I) Dated 30-12-2011
Letter No. 5-6/2011(ENV)/2735 Dated 07-03-2011

Dear Sir,
As per the EIA Notification-2006 and our above referred environmental clearance, we are submitting the under mentioned information.

1. Our project commissions in the month of April-2011 and regular production started on 20th April 2011 accordingly to manufacture Polyester oriented yarn/ Fully drawn yarn and Texturised/ twisted yarn other than rayon using polyester chips.
2. Point wise compliance status to various stipulations as laid down by Ministry along with half yearly compliance report (From October-2011 to March-2012) along with the monthly monitoring reports of various environmental parameters is enclosed for your kind consideration and record. Also we are enclosing the same in CD.
3. Copies of consent to establish and application for consent to operate under Water Act-1974 and Air Act-1981, and Authorization under Hazardous Waste Rules from the Pollution Control Committee (Daman & Diu and Dadra & Nagar Haveli) and copy of advertisement published in the news paper are enclosed for your kind consideration.

We hope that above and enclosed information are as per the requirements.

Thanking you,
Yours truly,
For Beekaylon Synthetics Pvt. Ltd.

(Authorized Signatory)
Encl.: A/a

Works-1 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-2 : Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
Tel.: (0260) 2640842, 2640843, Fax : 2640641 E-mail : silvassa@bklon.com, bslsilvassa@rediffmail.com
Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com

April 12 - Sept 12

Beekaylon

SY

SP SILVASSA <396230>
EG514771135IN
Counter No:1,OP-Code:11
To:MINISTRY E,
bhopal, PIN:462016
From:BEEKAYLON S P LTD SILVASSA
Wt:490grams,
Amt:67.00 , 08/11/2012 11:31
Taxes+Rs 7.00FRDUTY W A holiday):00:00:00

India Post

Works-1 : Survey No. 207, 205/1, 215-2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-2 : Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
Tel. : (0260) 2640842, 2640843 Fax : 2640841 E-mail : silvassa@bklon.com, bslsilvassa@rediffmail.com

Regd. & Administrative Office : 10, Jasvida, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437 Tel. : 43530410, 43530411 E-mail : bo@bklon.com

Beekaylon SYNTHETICS PVT. LTD.

SP SILVASSA (396230)
EG541285263IN
Counter No:1,OP-Code:PA1
To:THE DIRECTORE,REGIONAL OFFICE
RAVI SHANKAR NAGAR, PIN:462016
From:BEEKAYLON SYNTHETICS PVT LTD , SAMARVAR
Wt:560grams,
Amt:101.00 , 22/05/2013 , 14:55 ,
Taxes:Rs.11.00EDO(If not a holiday):00:00:0(

Date: May, 22, 2013

To,
The Director (S)
Ministry of Environment and Forests,
Regional Office (Western Region),
"Kendriya Paryavaran Bhavan"
Link Raod no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of half yearly Environmental Clearance compliance report (from October-2012 To March-2013).

Ref.: E.C. Letter No. F.No.J-11011/66/2010-IA-II (I) Dated 30-12-2010
Letter No. 5-6/2011(ENV)/2735 Dated 07-03-2011

Dear Sir,
As per the EIA Notification-2006 and our above referred environmental clearance, we are submitting the under mentioned information.

1. Our project commissions in the month of April-2011 and regular production started on 20th April 2011 accordingly to manufacture Polyester oriented yarn/ fully drawn yarn and Texturised/ twisted yarn other than rayon using polyester chips.
2. Point wise compliance status to various stipulations as laid down by Ministry along with half yearly compliance report (From October-2012 to March-2013) along with the monthly monitoring reports of various environmental parameters is enclosed for your kind consideration and record. Also we are enclosing the same in CD.
3. Copies of consent to establish and application for consent to operate under Water Act-1974 and Air Act-1981, and Authorization under Hazardous Waste Rules from the Pollution Control Committee (Daman & Diu and Dadra & Nagar Haveli) and copy of advertisement published in the news paper are enclosed for your kind consideration.
4. Copy of environmental audit statement (form- V) for last financial year is enclosed.

We hope that above and enclosed information are as per the requirements.

Thanking you,
Yours truly,
For: Beekaylon Synthetics Pvt. Ltd.

(Authorized Signatory)
Encl.: A/a.

Works-1 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-2 : Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
Tel.: (0260) 2640842, 2640843, Fax : 2640641 E-mail : silvassa@bklon.com, bslsilvassa@rediffmail.com

Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com





Date: 23/11/2013

To,
The Director (S)
Ministry of Environment and Forests,
Regional Office (Western Region),
"Kendriya Paryavaran Bhavan"
Link Raod no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of half yearly Environmental Clearance compliance report (from April'13 to September'13)
Ref.: E.C. Letter No. F.No.J-11011/66/2010-IA-II (I) Dated 30-12-2010
Letter No. 5-6/2011(ENV)/2735 Dated 07-03-2011

Dear Sir,
As per the EIA Notification-2006 and our above referred environmental clearance, we are submitting the under mentioned information.

1. Our project commissions in the month of April-2011 and regular production started on 20th April 2011 accordingly to manufacture Polyester oriented yarn/ Fully drawn yarn and Texturised/ twisted yarn other than rayon using polyester chips.
2. Point wise compliance status to various stipulations as laid down by Ministry along with half yearly compliance report (From April'13 to September'13) along with the monthly monitoring reports of various environmental parameters is enclosed for your kind consideration and record. Also we are enclosing the same in CD.
3. Copies of consent to establish and application for consent to operate under Water Act-1974 and Air Act-1981, and Authorization under Hazardous Waste Rules from the Pollution Control Committee (Daman & Diu and Dadra & Nagar Haveli) and copy of advertisement published in the news paper are enclosed for your kind consideration.

We hope that above and enclosed information are as per the requirements.

Thanking you,
Yours truly,
For Beekaylon Synthetics Pvt. Ltd.

(Authorized Signatory)
Encl.: A/a.

Works-1 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-2 : Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
Tel.: (0260) 2640842, 2640843, Fax : 2640641 E-mail : silvassa@bklon.com, bslsilvassa@rediffmail.com

Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com

Beekaylon SYNTHETICS PVT. LTD.

Date: 26/05/2014

To,
The Director (S)
Ministry of Environment and Forests,
Regional Office (Western Region),
"Kendriya Paryavaran Bhavan"
Link Raod no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of half yearly Environmental Clearance compliance report (from October 2013 to March 2014)
Ref.: E.C. Letter No. F.No.J-11011/66/2010-IA-II (I) Dated 30-12-2010
Letter No. 5-6/2011(ENV)/2735 Dated 07-03-2011

Dear Sir,
As per the EIA Notification-2006 and our above referred environmental clearance, we are submitting the under mentioned information.

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Yours truly,
For Beekaylon Synthetics Pvt. Ltd.

(Authorized Signatory)
Encl.: A/a.



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Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com

Beekaylon SYNTHETICS PVT. LTD.



SP SILVASSA (396230)
EG608593986IN
Counter No:1,OP-Code:9
To:THE DIRECTOR MOEF,
BHOPAL, PIN:462016
From:BEEKAYLON S LTD , SILVASSA
Wt:425grams,
Amt:67.00 , 26/11/2014 , 14:50
Taxes:Rs.7.00(EDD(If not a holiday):00:00:00

Date: 20/11/2014

To,
The Director (S)
Ministry of Environment and Forests,
Regional Office (Western Region),
"Kendriya Paryavaran Bhavan"
Link Road no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of half yearly Environmental Clearance compliance report (from April 2014 to September 2014)
Ref.: E.C. Letter No. F.No.J-11011/66/2010-IA-II (I) Dated 30-12-2010
Letter No. 5-6/2011(ENV)/2735 Dated 07-03-2011

Dear Sir,
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Thanking you,
Yours truly,
For Beekaylon Synthetics Pvt. Ltd.

(Authorized Signatory)
Encl.: A/a.

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Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com

SP SILVASSA (396230)
EG624663102IN
Counter No:1,OP-Code:7
To:THE DIRECTOR MINI,
BHOPAL, PIN:462016
From:BEEKAYLON S LTD , SILVASSA
Wt:485grams,
Amt:67.00 , 20/05/2015 , 10:55
Taxes:Rs.7.00/EDD(If not a holiday):00:00:0

Beekaylon SY

Date: 22/05/2015

To,
The Director (S)
Ministry of Environment and Forests,
Regional Office (Western Region),
"Kendriya Paryavaran Bhavan"
Link Road no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of half yearly Environmental Clearance compliance report (from October 2014 to March 2015)
Ref.: E.C. Letter No. F.No.J-11011/66/2010-IA-II (I) Dated 30-12-2010
Letter No. 5-6/2011(ENV)/2735 Dated 07-03-2011

Dear Sir,
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Yours truly,
For Beekaylon Synthetics Pvt. Ltd.

(Authorized Signatory)
Encl.: A/a.

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Tel.: (0260) 2640842, 2640843, Fax : 2640641 E-mail : silvassa@bklon.com, bslsilvassa@rediffmail.com

Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com

Beekaylon SYNTHETICS PVT. LTD.

Date: 07/11/2015

To,
The Director (S)
Ministry of Environment and Forests,
Regional Office (Western Region),
"Kendriya Paryavaran Bhavan"
Link Road no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of half yearly Environmental Clearance compliance report (from April' 2015 to September' 2015)
Ref.: E.C. Letter No. F.No.J-11011/66/2010-IA-II (I) Dated 30-12-2010
Letter No. 5-6/2011(ENV)/2735 Dated 07-03-2011

Dear Sir,
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Yours truly,
For Beekaylon Synthetics Pvt. Ltd.

(Authorized Signatory)
Encl.: A/a.

Works-1 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-2 : Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
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Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com



Beekaylon **SYN**

Date: 26/05/2016

To,
The Director (S)
Ministry of Environment and Forests,
Regional Office (Western Region),
"Kendriya Paryavaran Bhavan"
Link Road no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of half yearly Environmental Clearance compliance report (from October'15 to March'16)
Ref.: E.C. Letter No. F.No.J-11011/66/2010-IA-II (I) Dated 30-12-2010
Letter No. 5-6/2011(ENV)/2735 Dated 07-03-2011

Dear Sir,
As per the EIA Notification-2006 and our above referred environmental clearance, we are submitting the under mentioned information.

1. Our project commissions in the month of April-2011 and regular production started on 20th April 2011 accordingly to manufacture Polyester oriented yarn/ fully drawn yarn and Texturised/ twisted yarn other than rayon using polyester chips.
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We hope that above and enclosed information are as per the requirements.

Thanking you,
Yours truly,
For Beekaylon Synthetics Pvt. Ltd.

(Authorized Signatory)
Encl.: A/a.

Works-1 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-2 : Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
Tel.: (0260) 2640842, 2640843, Fax : 2640641 E-mail : silvassa@bklon.com, bslsilvassa@rediffmail.com

Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com

Beekaylon SYNTHETICS PVT. LTD.

(MASAT UNIT)

Date: 17/10/2016

To,
The Director (S)
Ministry of Environment and Forests,
Regional Office (Western Region),
"Kendriya Paryavaran Bhavan"
Link Road no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of half yearly Environmental Clearance compliance report (from April'16 to September'16)

Ref.: E.C. Letter No. F.No.J-11011/66/2010-IA-II (I) Dated 30-12-2010
Letter No. 5-6/2011(ENV)/2735 Dated 07-03-2011

Dear Sir,

As per the EIA Notification-2006 and our above referred environmental clearance, we are submitting the under mentioned information.

1. Our project commissions in the month of April-2011 and regular production started on 20th April 2011 accordingly to manufacture Polyester oriented yarn/ fully drawn yarn and Texturised/ twisted yarn other than rayon using polyester chips.
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We hope that above and enclosed information are as per the requirements.

Thanking you,
Yours truly,
For **Beekaylon Synthetics Pvt. Ltd.**

(Authorized Signatory)
Encl.: A/a.
Copy to:-The Member Secretary, Union Territory's Environment Impact, Assessment Authority, Office of the pollution control committee, Fort Area, Moti Daman, Daman – 396 220.

Works : Shed-D, Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
Tel. : (0260) 2640842, 2640843, Fax : 2640641 E-mail : silvassa@bklon.com, bslsilvasa@rediffmail.com

Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437, Tel. : 22000488, 22005652, 22000704 E-mail : ho@bklon.com

SP SILVASSA (395230)
E-GREETINGS/7751
Courier Mail ID-Code:NA
for the BUSINESS.
Bhopal PIN:462016
From:SHRIMATI SHREE D.S , SILVASSA
Wt:300grams.
Amt:47.00 ,11/05/2017 ,13:00
Taxes:Rs.9.00(If not a holiday):00:00:00

SYNTHETICS PVT. LTD.

(MASAT UNIT)

Date: 05/05/2017

To,
The Director (S)
Ministry of Environment and Forests,
Regional Office (Western Region),
"Kendriya Paryavaran Bhavan"
Link Road no.3E-5, Ravi Shankar Nagar
Bhopal – 462 016 (M.P.)

Sub: Submission of half yearly Environmental Clearance compliance report (from October'16 to March'17)
Ref.: E.C. Letter No. F.No.J-11011/66/2010-IA-II (I) Dated 30-12-2010
Letter No. 5-6/2011(ENV)/2735 Dated 07-03-2011

Dear Sir,
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Thanking you,
Yours truly,
For **Beekaylon Synthetics Pvt. Ltd.**

(Authorized Signatory)
Encl.: A/a.

प्रदूषण नियंत्रण समिति
POLLUTION CONTROL COMMITTEE
दमण, दिव, एवं दादरा & नगर हवेली
Daman and Diu & Dadra & Nagar Haveli
सेलवासा / SILVASSA

Copy to:-The Member Secretary, Union Territory's Environment Impact, Assessment Authority, Office of the pollution control committee, Fort Area, Moti Daman, Daman – 396 220.

Works : Shed-D, Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
Tel. : (0260) 2640842, 2640843, Fax : 2640641 E-mail : silvassa@bklon.com, bslsilvasa@rediffmail.com

Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437, Tel. : 22000488, 22005652, 22000704 E-mail : ho@bklon.com

Annexure-IX

- The receiving copy of letter for submitted copy of EC.

Beekaylon SYNTHETICS PVT. LTD.

To

Date:18/02/2011

The President,
District Panchayat Office,
Dadra & Nagar Haveli,
Silvassa.

Sub: Environment Clearance from Ministry of Environment and Forest, Government of India.

Sir,

This is to inform you that that Ministry of Environment and Forest (I.A. Division), Government of India has accorded Environmental clearance for the expansion project to manufacture man made fibre (POY/FDY) to M/s. Beekaylon Synthetics Pvt Ltd., Plot No 60,62,64 & 65, Survey No 205/1,205/2,207,Village: Masat - Samarvarni, Silvassa – 396 230, Dadra & Nagar Haveli. (U.T.).This Environment clearance has been given vide letter No. J-11011/66/2010-IA-II (I) dated 30th December, 2010 under EIA Notification dated 14th September 2006.The copy of the same is enclosed herewith for your reference. If you need any information with regard to this Environment Clearance, please feel free to contact us. This is for your information.

Thanking You,

Yours truly,

For Beekaylon Synthetics Pvt. Ltd.

Authorized Signatory

RECEIVED BY
O/o. C.E.O. (D.P.)

Works-1 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-2 : Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
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Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 02(
Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com

Beekaylon SYNTHETICS PVT. LTD.



To
The Member Secretary,
Pollution Control Committee,
Dadra & Nagar Haveli,
Silvassa.

Date: 21/02/2011

Sub: Environment Clearance from Ministry of Environment and Forest, Government of India.

Sir,

This is to inform you that that Ministry of Environment and Forest (I.A. Division), Government of India has accorded Environmental clearance for the expansion project to manufacture man made fibre (POY/FDY) to M/s. Beekaylon Synthetics Pvt Ltd., Plot No 60,62,64 & 65, Survey No 205/1,205/2,207,Village: Masat - Samarvarni, Silvassa – 396 230, Dadra & Nagar Haveli. (U.T.).This Environment clearance has been given vide letter No. J-11011/66/2010-IA-II (I) dated 30th December, 2010 under EIA Notification dated 14th September 2006.The copy of the same is enclosed herewith for your reference. This is for your information.

Thanking You,

Yours truly,

For Beekaylon Synthetics Pvt. Ltd.

Authorized Signatory

RECEIVED
21/2/11
O/o. The Pollution Committee
Daman & Diu and Dadra & Nagar Haveli
SILVASSA

Works-1 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-2 : Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
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Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020.
Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com

Beekaylon SYNTHETICS PVT. LTD.



Date: 18/02/2011

To
The Sarpanch,
Village Samarvarni,
Dadra & Nagar Haveli,
Silvassa.

Sub: Environment Clearance from Ministry of Environment and Forest, Government of India.

Sir,
This is to inform you that that Ministry of Environment and Forest (I.A. Division), Government of India has accorded Environmental clearance for the expansion project to manufacture man made fibre (POY/FDY) to M/s. Beekaylon Synthetics Pvt Ltd., Plot No 60,62,64 & 65, Survey No 205/1,205/2,207,Village: Masat - Samarvarni, Silvassa – 396 230, Dadra & Nagar Haveli. (U.T.).This Environment clearance has been given vide letter No. J-11011/66/2010-IA-II (I) dated 30th December, 2010 under EIA Notification dated 14th September 2006.The copy of the same is enclosed herewith for your reference. If you need any information with regard to this Environment Clearance, please feel free to contact us. This is for your information.

Thanking You,

Yours truly,

For Beekaylon Synthetics Pvt. Ltd.

Authorized Signatory

21/2/2011

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Works-2 : Plot No. 60,62,64,65, Govt. Ind. Estate, MASAT, (Via) Silvassa - 396 230. (D. & N. H.)
Tel.: (0260) 2640842, 2640843, Fax : 2640641 E-mail : silvassa@bklon.com, bslsilvassa@rediffmail.com

Regd. & Administrative Office : 10, Jasville, New Marine Lines, Opp. Liberty Cinema, MUMBAI - 400 020
Telefax : (022) 22006437, Tel.: 43530410, 43530411, E-mail : ho@bklon.com

Annexure-X

- Environment Management Plan

ENVIRONMENT MANAGEMENT PLAN

1. GENERAL

An environmental management system is the process used by an organization to manage, review, correct, and improve the organization's approach to business. An Environment Management System (EMS) is a tool for managing the impacts of an organisation's activities on the environment. An EMS offers a structured way to incorporate environmental considerations into day-to-day operations; it promotes continual improvement of the environment and human health. The concept of EMS is very much similar to financial management system. As management system monitors, regulate and audit the income and expenditure thus ensuring a regular check on the company's performance and take positive steps if any diversion from the objective and criteria is found with an aim of ensuring better management of financial resources to provide aid in the growth and development of the company, similarly an EMS monitors and check the environmental performance, integrate and implement the environmental management and its performance with and along the routine operations of a company, long and short term planning, quality management system and take positive steps in case of any diversion with a view to ensure better and enhanced performance.

The Environmental Management Plan is a integrated component of an EMS, which has been prepared to assess the current environmental scenario of the area and then based on the activities of mining proposed, to carry out Environmental Impact Assessment. The plan will identify and address the impacts, where these are adverse in nature, and thereafter design mitigation measures to manage such impacts in a manner as to conserve environment and ecology of the area. The EMP has been prepared with a view to ultimately ensure that the adverse impacts are minimized if these cannot be prevented altogether. Environmental clearance is a statutory requirement for any project of which EIA has to be prepared and submitted to respective agencies of State and Central level in line with Environmental Impact Assessment Notification, 2006.

An EMS can assist a company in the following ways:

- Minimise environmental liabilities as EMS provides a consistent way to manage your organization away from constraints imposed by future regulations, material shortages, community complaints, and other issues
- Reduced operating cost In nearly every case, an EMS reduces operating costs through waste reduction, energy conservation, and other savings. The typical payback period for an EMS is typically 9 months to 2 years
- Maximize the efficient use of resources;
- Opportunity for continual improvement as EMS provides Regular feedback on environmental opportunities
- Reduce waste;
- Demonstration of competitiveness with private industry
- Demonstrate a good corporate image;
- Symbiotic relationship between experienced consultants and peers support thus enhancing superior-subordinate relationship
- Build awareness of environmental concern among employees;
- Lesser effort as all the policies and steps are pre- determined and only has to be implemented
- Gain a better understanding of the environmental impacts of business activities;
- Reduced legal risk and potential liabilities as an EMS provides a structured framework for identifying and meeting regulatory requirements This results in fewer fines and other regulatory complications over time.
- Improved bond ratings as a formal EMS can demonstrate to the lenders a reduced risk that results in lower interest rates
- increase profit, improving environmental performance, through more efficient operations

Originally adopted in the private sector, EMSs are now proving to be a powerful tool that can also help public agencies. EMSs do not impose new technical requirements, nor do they act as a substitute for existing regulatory requirements. EMSs provide a powerful and replicable method for an organization to more effectively manage its environmental obligations and, as a result, improve its overall environmental performance, including

areas not subject to legal requirements. EMSs can also help organizations reduce unnecessary costs.

Although the implementation of an EMS is essentially a voluntary initiative, it can also become an effective tool for governments to protect the environment as it can assist regulation. For example, regulatory systems can encourage organisations to use EMS to meet standards, by providing incentives for strong environmental performance. Likewise, organisations can use EMS to ensure that their performance is within regulatory requirements, and to keep ahead of more stringent regulations which might be introduced in the future.

2. ENVIRONMENT MANAGEMENT PLAN

An Environmental Management Plan (EMP) can be defined as "*an environmental management tool used to ensure that undue or reasonably avoidable adverse impacts of the construction, operation and decommissioning of a project are prevented; and that the positive benefits of the projects are enhanced".* EMPs are therefore important tools for ensuring that the management actions arising from Environmental Impact Assessment (EIA) processes are clearly defined and implemented through all phases of the project life-cycle. This plan also helps an organization map its progress toward achieving continual improvements.

Each organization is unique and, as a result, so are Environmental Management Plans. The level of detail and length of an EMP will vary depending on the type of organization, the complexity of its processes and the maturity of the organization in understanding its environmental responsibilities. Some plans may end up being only a few pages long, while others could become extensive documents

An EMP consists of:

- Environment Protection Plan to reduce impacts and risks. Issues related to existing legislation, codes of good engineering practice, proponent commitment, and similar other tasks are also discussed here.
- Summary of Impacts and Risks. These are the actual expected impacts and risks of the projects, which will need to be managed, monitored, and reported.

- Impact Management and Environmental Enhancement to balance adverse impacts by providing alternate benefits to adversely impacted persons or biophysical systems.
- Environmental Effects Monitoring (monitoring plans).
- Impact Reporting.

Addition sections of this chapter document:

- Implementation of Environmental Management Plan
  - Institutional strengthening needs
  - Training and technical assistance needs
  - Public participation
  - EMP Implementation Schedule
  - EMP Costs

The emphasis is on identifying issues and options, to guide the detailed design of specific EMP measures as part of programme and project feasibility studies. Environmental Management Planning gives you the tools to assess and manage environmental issues during every phase of your project or operations. The outcome will minimize the risk of costly, time-consuming environmental issues, while maximizing productivity, bottom-line performance and goodwill. It provides a framework through which environmental priorities, responsibilities and risks are systematically managed. EMPs, which are often a key component of a project's regulatory filings, provide the basis for assurance that environmental factors will be carefully managed throughout the project lifecycle.

3. OBJECTIVES OF EMP

- To establish the present environmental scenario.
- To prepare a detailed action plan for implementation of mitigation measures.
- To suggest preventive and mitigation measures to minimize adverse impact and to maximize beneficial impacts.
- To prepare an afforestation or Greenbelt Development scheme.
- To suggest a rain water harvesting scheme and energy conservation actions
- To suggest a monitoring programmed to evaluate the effectiveness of mitigation measures.

- To suggest the formation of a core group (Environment Management Cell) responsible for implementation of environmental control & protective measures as well as monitoring of such implementation.
- To prepare a capital cost estimate and annual recurring cost for Environmental Management Plan.

4. ENVIRONMENTAL PROTECTION PLAN

Environmental protection plan includes the mitigation measures and other environmental management activities & pollution control techniques & technologies for any project. This is important most aspects to preserve & improve the environmental quality of project area. The details of the suggested mitigation measures, environment management activities & pollution control techniques & technologies are described in subsequent paragraphs of the chapter under respective headings.

5. MITIGATION FOR PRE-CONSTRUCTION AND CONSTRUCTION PHASE IMPACTS

Some minor pre-construction and construction activities and impacts are associated with the development of proposed project in an Industrial Area of Government in UT of Dadra & Nagar Haveli. As the site is located in Govt Industrial Zone there would not be any major considerable impacts of pre-construction & construction activities. However, some potential impacts from the activities are considered for planning of mitigation measures to reduce the impacts to negligible extend of significance.

8.5.1 Land acquisition and site preparation

Land acquisition and site preparation activities and its impacts are a factor of core construction activities where land has to be acquired and preparation of site has to be done for carrying out further activities. The land to be acquired is of no prior importance as it is within designated Govt. Industrial Zone without any settlement. Hence, the impacts on the regional area viz. number of people, hectares of land affected, allied affects, etc. are negligible in regional terms. The impacts can be further minimised only through effective selection and designing of plans, proper resource allocation in order to minimise land use change and to use infrastructural sites of least value in current use. However, as the land to be used is industrial zone as said earlier, issues of land use / land cover change mitigation is not envisaged and hence major mitigation measures are not required. However, it is suggested to develop sufficient greenbelt area to add a little value in improvement of land cover of the area.

8.5.2 Construction activities:

Construction activities are one of the most concern tasks for environmental aspects to be considered during implementation of any project, as these activities can cause both harmful as well as beneficial impacts to the environment. As far as beneficial impacts are considered, no mitigation measures are required as benefits are always to be enhanced therefore the major factor to be focused while formulating EMP shall be that the people concerned should have their eyes and mind on the adverse effects, catch them, make probable estimation of the impact, analyse the impact and suggest some probable mitigation measures which can either alter or minimise the negative impact to most considerate extent. For this purpose detailed information shall be collected viz. details of the components responsible for the occurrence of the negative impact, activity operation involved which led to occurrence of such impact, construction material responsible, emissions from construction vehicles, prevailing geographical & ecological conditions as well as other allied factors which have concern with occurrence of adverse impacts. A detailed, prop-founded and conscientious study of such details along with study of impact is most essential part for the formulation of EMP as this is the core structure on which EMP has to be formulated. Depending upon the analysis and result of these details proper mitigation measures are formulated before the finalisation of EMP. The major activities to be considered in the construction phase while formulating EMP are civil works, mechanical works, machinery works, transportation works and other related activities. In general, the construction activities can create the following principal major impacts to the environment:

- Release of construction materials and dust into the environment from the construction site/materials.
- Noise pollution from construction activities
- Short term changes due to contamination of land due to disposal of construction wastes and deterioration in air quality due to emissions from automobiles and machinery during construction
- Effects on the life style of nearby habitants due to disturbance by transportation & traffic, night-working and flood-lighting
- Effects on human or other terrestrial organisms due to the inhalation of the contaminated/polluted air.
- Effects on health of the human, birds and other terrestrial animals due to increase in noise level.

- Effects may occur due to the accumulation of the contaminant in water resources & soil due to uptake of construction material
- Effects on work place condition & human health due to the accidents during the construction works.
- Impacts to avifauna or other carnivores which may prey upon other organisms affected by the contamination.
- Effects on the socio-economic activity due to direct impacts or indirect impacts on socio-economic activities.

Even though the issues are major but they can substantially be minimised or reduced to significant extent by practising suitable and probable mitigation methods suggested in the EMP. Hence, the EMP acts s a core and base structure of this issues and should be formulated with due and ample care and consideration as no matter how significant or major the impacts are, proper mitigation measures can surely bring it down to negligible position. However, a slight negligence in the studying, selecting and implementing process can prove hazardous to all social, economical, civilian, ecological and other related area of the environment. Hence, the areas of major focus of EMP should be concentrated mainly on operational and maintenance activity of construction phase, deciding proper manner and route of working of the vehicles in order to avoid accidents and hefty traffic, providing suitable facilities and effective conditions to avoid accidents and proper medical aid in case of occurrence of any accident so as to avoid any loss of life.

These were only the negative impacts but we should forget that every activity has an effect followed by a side-effect therefore some of the major beneficial impacts to be focused are:-

- Employment opportunities: recruitment of local labourers
- Trading opportunities: procurement of construction materials locally
- Clean up operations, landscaping and plantations

Therefore, construction phase activities would have moderate impacts on on-site noise and air quality, land use and ecology. It could also develop minor impacts on on-site soils, water use and water quality. It will also have major local socio-economic impacts.

The main impacts of construction phase are loss of agricultural land and such impact is long term. The other impacts of construction phase will be small in magnitude as well as

temporary in nature and are expected to wear out gradually once the construction activity is completed. Further, the major and long term impacts can also be reduced and minimized by proper and substantial implementation of mitigation measures. In brief during the construction phase following general mitigation measures shall be taken in consideration.

Land Environment

- The small amount of construction debris and surplus excavated material shall be disposed of in suitable pre-identified areas. It is suggested that the construction waste containing sand, brick, gravel, cement etc. shall be used for filling or PCC for construction of internal road or project structures.
- Storage & handling of construction materials shall be done properly to avoid spillage or leakage which may cause release of the material in environment causing adverse impacts.
- Adequately designed closed & properly lined (impervious lining) storage area shall be provided for construction materials to prevent land/soil contamination.
- Excavated earth shall be used for filling of low-lying area or construction works as well as landscaping.
- Proper sanitation facilities shall be provided to avoid contamination of land due to dumping of domestic waste as well as disposal of untreated sewage.
- Designated fuel storage & Refuelling area shall be provided with impervious lining to prevent land contamination due spill/leak of fuel during storage & refuelling.

Water Environment

- Storage area of the construction material shall be at adequate distance from the water resource in the site to prevent any chances of contamination of water as well as to facilitate proper / efficient construction work. Wherever required impervious lining shall be provided to site/location of identified activities.
- Runoff from the construction work shall not be unmanaged or haphazard to prevent entry of contaminant arising from construction work/site. Runoff water shall be managed properly and must be collected and treated before release if serious contamination is observed.

- Spillage or leakage of construction material can lead to groundwater contamination and hence care shall be taken to minimise the chances of the Spillage or leakage of construction material.
- Construction materials like Ready Mix Concrete shall be used to prevent impacts on water environment.

Air Environment

- Wherever & whenever required water shall be sprinkled on ground or material to avoid dusty condition of the environment
- Emission from the equipments/machineries shall be monitored on regular basis. Equipments / machineries shall be kept off when not required and kept in idle state.
- Transport vehicles shall be monitored & maintain regularly to control the emission quality
- Construction materials would be stored in covered stores or enclosed spaces to prevent chance of airborne construction materials which can lead to air pollution of local area.
- Regular inspection of haul roads and construction site should be carried out to ensure regular and timely removal of construction debris to the dumping sites or for recycle/reuse.
- It would be ensured that all the vehicles plying during construction are properly tuned and maintained to keep emissions within the permissible limits
- All necessary equipments/machineries shall be in good condition for proper operation and minimal exhaust/emission.
- Provision of necessary PPEs like face mask & eye-glasses are provided to employees /labours engaged in construction activities.

Noise Generation

- Operation of machineries/equipment causing high noise level shall not be operated during the night time and all such operations shall be planned for day time only.
- During night time transportation activities shall not be conducted to avoid high noise level in nearby villages/locality. Only in case of emergency the transportation activities shall be allowed in night time.
- The vehicles engaged in construction activities & transportation of materials shall be equipped with the horn of low noise level as recommended by RTO/concern

authority to avoid impacts on noise level. Further, adequate silencers must be attached with all vehicles to reduce the noise.

- It would be ensured that the equipment used during construction is properly maintained to keep noise emissions within the permissible limits as suggested by CPCB/PCC.
- Construction vehicles, equipments & machinery should be in good working condition and idle vehicles, equipments & machineries are turned off when not in use.
- Proponent shall ensure that the labours engaged in construction site of high noise area are provided with necessary PPEs.

Biological Environment

- Adjacent forest area shall not be disturbed in any case by any activity or person engaged in construction activity
- On regular basis monitoring shall be done to avoid hazards to natural habitats. So that no risk of considerable destruction or bio-magnification of contamination can occur due to the contamination of the habitats
- The proponent shall prepare a plan for plantation within & near the site and in the suitable areas in and around the project site. The proponent shall star the plantation with the construction activity.
- Forest protection plan shall be formulated and implemented in the very inception of the construction activity.

Social Environment

- All activities shall be regulated by adequate safety codes and all employees shall be provided with adequate safety equipment
- Employees/contractors/ person associated with construction activities shall be provided proper training before starting their works. Training must be given for the operational method, problem solving and safety.
- During the construction phase proper traffic management shall be done to avoid problems due to the construction activities
- Proper traffic schedule shall be prepared and made available to all transport officers with adequate guidelines for the traffic management and easy movement on approach road to national & state high ways.

- Employment for the construction work shall be conducted with priority to local villager.

Miscellaneous Measures

- All activities must be conducted as per the guidelines and methodology / procedure provided by the project authority
- All activities shall be done with the restricted area confined by the project authority.
- In addition to the above, environment management cell shall be formulated and the cell shall update the mitigation measure depending on the details identified in EIA Study (Chapter-4) as well as defined in environmental management record during the construction phase by the official appointed at site.

6. MITIGATION FOR OPERATION PHASE

Construction phase is followed by operation phase in which unit ready for operation of the proposed industrial activities is about to begin. Till now, only the impacts to be caused to the area while posing construction activities was studied and analysed which have envisaged to be negligible even in absence of any major mitigation measures. Contrary, once the operation phase gets started it can eventually cause innumerable adverse impacts on the environment which could be severe. EMP formulation shall be done keeping in mind such adverse impacts and accordingly mitigation methods shall be designed in order to nullify such impacts. Information like operational actions of the habitants, nature of the substances (raw materials & products) or components, nature of emission, geological and ecological feature along with other allied feature shall be systematically collected and analysed. Further, the production process, utility operations, equipment/machineries/technologies used in operations, maintenance works, technical & administrative work, etc. shall also be given due consideration. Following through this down mention impacts in general can be caused in operational and administrative phase:-

- Affect on environment due to waste water discharge.
- Emissions from the utilities (Boiler & DG sets) causing deterioration in air quality.
- Unmanaged solid & hazardous waste storage, handling & disposal can lead to significant adverse impacts on all attributes of environment.
- Soil contamination due to mixing of chemicals up on spill or leak during storage, handling & transport.

- Negative effects on land due to due to dumping of garbage & disposal of untreated sewage from the domestic activities of employees
- Damage to forest area due to impacts on other environmental attributes of operations.
- Noise generation from utilities and other moving machineries/equipments as well as operational & maintenance area can lead to adverse effects on occupational health.
- transport vehicles would have considerable impacts on noise level of the villages falling under transport route
- the impacts on the human health & ecology are also associated with some workplace accident, hazards and risk
- Socio-economic aspect shall be benefited due to increase in employment & other opportunities for improvement of local economy.

Issues related with all the major and significant impacts of operational phase shall be combated by appropriate tools and methods suggested in the EMP. The impacts even though seems to be magnificent and colossal but implementation of proper and suitable and planned operational procedures and maintenance activities can reduce it to magnificent and maximum possible extent. However, if neglected or diverted can prove quiet hazardous to overall environment. Proper suggestive measures for operation activities should be implied and implemented followed by adequate and suitable measures for proper treatment of waste deposits. Besides, provisions should be made for regulated and mannered working to ensure effective and efficient operation of work with highest possible level of occupational safety. Keeping all these in mind following mitigation measures shall be taken into consideration so that the effects are brought down to maximum possible extent:-

Water Environment

The total domestic wastewater generated after proposed project will be 14 KL/D. The same will be sent to septic tank/ soak pit system. Wastewater generated from industrial activities @ 60 KL/D will be treated in ETP and the treated wastewater will be diverted to the Cooling tower. Cooling tower blow down after necessary treatment will be utilized for in-house gardening purpose.

- Raw Effluent Transfer Line shall be laid down from particular area to ETP and proponent shall ensure leak proof pipeline for the purpose at any time.
- The raw effluents from operation/process shall be treated in adequately designed ETP for efficient treatment to meet the prescribed norms by PCC, Daman or CPCB.
- The effluent shall not be disposed off in any condition and the unit will be Zero Discharge unit. The recycling & reuse shall be practiced on regular basis to reduce the quantity of freshwater intake.
- The treated wastewater after confirming the prescribed norms will be partially recycled for cooling water makeup and remaining will used for irrigation of garden & greenbelt area.
- To conserve the water, wastage of water shall be prevented by adequate water management practices as well as regular maintenance of pipelines & tanks etc. to prevent leak & spill. In addition to this, rain water harvesting program shall also be implemented for conservation of water.
- Proponent shall attempt to reduce the losses in cooling & steam heating to reduce the fresh water intake/consumption rate by proper inspection, R&D and implementation of necessary adequate management practices.
- The proponent has provided an adequate ETP which can cater the total load of effluent after proposed project. The details of the ETP is described below:
    - The company has an existing Effluent Treatment Plant of 45 KLD capacity and consisting of Primary, Secondary & Tertiary units along with additional units like Softener and Soft Water Tank wherein the waste water from washing after required treatment is re-used back into dyeing section and boiler & cooling tower blow down is utilized for in-house after necessary treatment.
    - As far as proposed expansion project is concerned, there will be waste water generation (15 KLD) from boiler & cooling tower blow down which will be treated in proposed Effluent Treatment Plant (15 KLD) and utilized for in-house gardening purpose.
    - The schematic drawing & allied details of the ETP are shown in earlier chapter -2.

Air Environment

The emissions after the proposed units will remain same as that of present as there will not be any requirement of additional utilities for operation of proposed expansion project. The existing emissions are mainly from operation of 2 Nos. of Steam Boilers of 2 MT/Hr each and 2 Nos. of D.G. Sets of 625 & 380 KVA which are part of existing utilities. D.G. Sets act as standby units and are only utilized in case of power failure for heating purpose and domestic lightning.

In furtherance of these, there will be no other fuel consuming utilities installed for the proposed expansion project. Even, there are no process gas emissions from the existing plant as well as proposed expansion activity. The Boilers & DG sets are existing facilities and the company has provided stack of adequate height & diameter to deal with issue of air pollution. The company has also provided Bag Filters for Boiler to control the particulate emissions. Hence no additional mitigation measures would be required for management of emission of these two facilities.

However, implementation of following mitigation measures is suggested to prevent air pollution due to emissions:

- Regular maintenance & un-interrupted operation of Air pollution control devices
- Stacks of adequate height & internal diameter at top shall be provided for emission management. It has been noticed that the adequate stacks are provided for existing Boilers & DG sets. The details of stacks are as illustrated in earlier chapter-2.
- All Stacks shall be provided with sampling ports for monitoring of emission.
- Monitoring of emission from the stacks as per Environmental Monitoring Plan and records shall be maintain for further review & improvement in EMP as well as Air Pollution Control Activities/Technologies and the records of monitoring shall be maintained.
- Proponent shall take timely action for necessary maintenance to ensure adequate & efficient operations as well as good condition of the APC Devices & stacks.
- Proponent shall follow necessary provisions/guidelines related to APC & stack installation.
- Emission level shall be maintained below permissible limits prescribed by concern environmental authority.

- Greenbelt development program shall be monitored to maintain healthy & adequate vegetation in the premise as per CPCB norms. Greenbelt at time shall be minimum 33% of total land of the proposed project.
- Regular Monitoring & Analysis of Emission, Ambient Air for Safety & Environment Management to prevent air contamination/pollution & hazards due to air contamination.
- Ambient Air Quality Monitoring shall be done at least at three locations in premises and preferred angle between the locations shall be 120 degree. The monitoring shall be done at least quarterly.
- The record of the monitoring programs & measured quality shall be maintained regularly.
- Regular maintenance & un-interrupted power supply shall be ensured for continuous operation of Air Pollution Control Devices.
- Annual Environmental Audit shall be conducted as per PPC guidelines and the measures/action suggested in the audit report for prevention pollution shall be strictly implemented to comply with applicable environmental norms.
- Work place monitoring for SPM, RSPM level in the ambient air shall be scheduled for regular monitoring to eliminate any case of effects on occupation health of workers/personnel.
- Proper Storage area shall be designated for raw material, intermediate product & final product to prevent any kind of fugitive emission from storage area.
- Adequate method & facilities for handling of raw material & products shall be developed & implemented to prevent contamination of air due to the toxic chemicals

Land Environment & Solid/Hazardous Waste Management

- All area of chemical storage as well as production plant shall be lined properly to ensure impervious lining to prevent seepage of chemical in soil.
- Emergency Response protocol shall be prepared for all chemical material & shall be available at all places having potential of chemical spill/leakage.
- Immediately upon first reporting of incident of spill/leak of chemical material Emergency actions shall be taken by responsible personnel as per guidelines provided in specific Emergency Response Protocol for spilled/leaked chemical.
- Designated Hazardous waste area shall be provided within the premises as per MoEF/CPCB guidelines.

- Hazardous / Solid waste generation shall be within the limit are discussed in earlier chapter-2 along with the mode of disposal/management. The method of disposal / management shall be followed strictly in accordance with the guidelines of MoEF/CPCB.
- Greenbelt in shall be developed in at least 33% are of total land of proponent at any time of operation of production unit.
- The Proponent shall maintain necessary records & documents of Hazardous waste management/disposal as per MoEF/CPCB guidelines.

Ecological Environment

- Proper infrastructure shall be provided to the existing road network In order to protect the forest area of nearby area.
- Awareness programme for the development and protection of forest & wild life would be conducted.
- Plantation activity in the project area as well as nearby Govt. forest land shall be done with support of concern govt. officers/department and nearby habitants thus encouraging the improvement & growth of forest area.
- As it has been noticed, the proposed project is to be set up in a Govt. Industrial Zone and there is no threat to ecological environment due to operation activities, specific mitigation measures and EMP is not required for ecological protection.

Noise Generation

- Vibrating equipments/machineries shall be provided with rubber padded foundations.
- Acoustic enclosure shall be provided to high noise generating equipment/machineries/utilities or such facilities shall be housed in closed room to prevent noise propagation in surrounding area.
- Proper maintenance & lubrication of the plant machineries & equipments shall be done regularly to reduce the level of noise generation.
- Management shall provided necessary PPEs to eliminate the impacts of noise in workplace.
- Regular noise monitoring shall be done in area of noise to track noise change above 10 dB(A) for timely action for noise reduction.
- The noise level in the plant area shall confirm to the norms prescribed by PCC/CPCB/MoEF as well as indicated in GOI Rules.

- Shift planning shall be done with respect to the exposure level of noise at various plant areas following guidelines of Factory Act and/or NIOSH.
- Transport vehicles shall be set in operation only at time convenient with the residents equipped with low noise engine
- Vehicles with low horn noise shall be used equipped with silencers

7. GREENBELT DEVELOPMENT

Greenbelt Development is being done under the supervision of experienced personnel and guidance of local experts. Planting operations are followed up with adequate post plantation care, which includes replacement of casualties, weeding, soil working, manuring, watering, protection from grazing etc. The company has developed greenbelt in about 3748 sq. mt of its 14000 sq. mt total existing land. Further, the proponent has planned to develop additional greenbelt in 8500 sq. mt. land of its proposed total land of 32300 sq. mt. In furtherance to these land areas, proponent has also planned to keep 10159 sq. mt of land as open reserved area for future use out of which about 3000 sq. mt. land will be used to develop garden as additional greenbelt. Thus the total greenbelt area will be around 35% of total plot area of the proponent. The Proponent has grown healthy vegetation including numbers of varieties of shrubs (garden varieties) & trees. The list of major tree species which have been &/or will be successfully grown within site are given in following table.

Species scientific name	**Local name**
Acacia Auriculiformis	Baval
Azadirachta indica	Neem
Casuarina equisetifolia	Saroo
Eucalyptus Sp.	Nilgiri
Cassia fistula	Amaltas
Delonix regia	Gulmohar
Ficus bengalensis	Bargad
Species scientific name	Local name
Syzygium cuminii	Jamun
Phyllanthus sp.	Amla
Albizzia lebbek	Siris/Sirash
Bambusa arundinacea	Bamboo
Cassia siamea	Kashod
Dalbergia sisoo	Shisham
Ficus religiosa	Pipal
Terminalia catapa	Badam

The afforested /Greenbelt areas have to be protected from cattle menace, human interference, soil erosion, plant diseases, etc. Adequate storm water drains shall be constructed wherever required to control and regulate the water flow to prevent soil erosion and washing away of nutrients. Plants will be protected from diseases by the application of proper pesticides. Soil workings, manuring etc. will be done whenever necessary. Plants will be protected from cattle menace and human interference by providing fencing and proper watch and ward.

8. RAINWATER HARVESTING

The rainwater harvesting program will be conducted by providing water collection system from roof as well as paved area of plant. For the purpose gutter for collection of rainwater during the monsoon will be installed & the collected water will be used to meet the water requirement industry. The detail rainwater harvesting scheme will be prepared by consultation with professional to determine the potential of rainwater collection, necessary arrangements & designs as well as to determine the potential alternative uses. The rainwater harvesting scheme will then be implemented and the management shall ensure adequate operations for rainwater harvesting. The company has initiated preliminary study for planning & execution of RHW activities. The findings of the study are described below.

- Total Available Roof Area, Mt^2= 2000
- Annual Rainfall=900 cm. (0.9 Mt)
- Annual Roof Top Rainwater Collection @80% efficiency =2000 X 0.9 = 1800KL
- Average Daily Rainfall=1.5 cm (0.015 mt.)
- Average Daily Rainwater Collection= 30 KL
- Maximum Daily Rainfall Potential =5 cm. (0.05 mt.)
- Maximum Daily Rainwater Collection=100 KL

9. SOCIOECONOMIC DEVELOPMENT & CSR

The overall impact of proposed project on the socioeconomics of the area has been neutral. The indirect income sources generated by the project as well as creation of comparatively well paid jobs in future may have some positive impacts on socioeconomic condition of the area. The unit has also shown benefits to local area by trade in the supply of spares, in engineering jobs on contract, as well as other allied works. However, it is suggested to implement or continue measures/actions for

socioeconomic development of the area. The unit is conducting many programs & activities for socioeconomic development as a part of its CSR Program. In furtherance to the efforts made by the company in social & economic development of the area, following actions & measures for socioeconomic development are suggested.

Employment

The management of the company is employing persons upon requirement arise due to vacant positions and preference is given to the local population for recruitment. Similar strategies for recruitment shall be continued after the proposed project.

Communication & Transport

Communication facilities such as approach roads, telephone, post offices and amenities like schools, hospitals, market centers etc. are already available in the project area. However, proponent will assist in development of such public facilities as well as will share its communication & transportation facilities upon requirement especially during the disaster incidents/emergency period.

Health & Education

Activities for improvement in education & health status of the local society as well as other surrounding areas shall be conducted by the proponent. The proponent has shown its keen interest in such activities, and proponent is regularly conducting such activities to contribute in the improvement of education & health status in the project area. Proponent will continue its efforts in this regard by organizing camps, awareness programs, financial assistance etc.

10. OCCUPATIONAL HEALTH

The company is concerned about the occupational health and safety among its work force as the man power is the biggest asset to the industry. The potential hazards and major risks associated with the plant will be identified using Hazard & Operability Study (HAZOP). The Off-site Emergency Plan is available with the Collectorate Office, Silvassa. As an existing company, we have implemented the following safety measures for the employees.

- Safety Training is provided to the employees.
- Manual call bells in case of emergency are provided.
- Emergency Control Room with emergency sirens is established.

- Assembly point is provided.
- Fire Hydrant System is installed.
- Fire Extinguishers are provided.
- Mock drills are periodically conducted and factors like response time are evaluated.
- Fire squad team is formed for handling any emergency situation & regular training of squad team is conducted.
- First Aid Facility and training are provided.
- Personal protective gears and equipments are provided to employees.
- Health checkup are organized at regular intervals.
- Safety / Health records and MSDS are maintained.

11. ENERGY CONSERVATION

The company is committed to continual improvement in its energy conservation programs. It has successfully implemented many actions to realise efficient energy conservation in its existing unit. Additionally, the following energy conservation plans are suggested for the unit:

- Proponent shall manage efficiently the utilization of energy resources, upgrade operational practice and employ more energy efficient technologies.
- Proponent shall train and educate employees in areas of energy conservation.
- Proponent shall carry regular internal and external audits to identify areas for improvement and benchmark continuously performance against the best.
- Proponent shall share and enrich experience on energy conservation with other units and own group companies.
- Proponent shall promote awareness among all employees as well as other units & its group of industries.

The proponent shall be fully committed towards energy conservation and shall have Energy Conservation cell headed by senior engineer / personnel of electric department. The duties of the Energy Conservation Cell shall be as following:

- Periodic monitoring of unit/plant/department wise energy consumption.
- Planning of corrective actions for deviations.
- Carry out internal energy audits & field study on need basis.
- Preparing annual energy activity plan
- Benchmarking for energy performance.

- Arrange training program for energy efficiency.

12. ENVIRONMENT MANAGEMENT CELL

The proponent has formulated the environmental & safety management cell as an integrated managerial body for monitoring environmental & safety activities. The cell shall be formulated as integrated body to meet the various / different requirement of Management systems for ISO 9001:2000, ISO 14001 etc.

The cell & all members are assigned with various person specific duties & authority to ensure good environmental quality, safe work condition and effective implementation of environmental management plan & safety protocols/procedures. The cell is also responsible for emergency & disaster management activities. Same cell will take care of Environmental & Safety Management activities after proposed project. The detail of the cell is depicted in the following organogram of Environmental & safety Management cell.

Figure 1.1: Environment & Safety Management Cell



Annexure-XI

- A copy of Public notice.

जनसंसार

दमण में माछी महाजन हाल में चल रहा भागवत कथा का समापन

दमण, 16 फरवरी

दमण स्थित माछी महाजन हॉल में पिछले नौ दिनों से चल रहे भागवत कथा का बुधवार को समापन हुआ। गौरतलब है कि माछी समाज द्वारा आयोजित इस कथा में कई धार्मिक अनुष्ठान के साथ आखरी दिन महाप्रसाद का आयोजन किया गया। जिसमें माछी समाज के हर छोटे-बड़े सदस्य के साथ अन्य भक्तों ने हजारों की तादाद में उपस्थित रहकर इस महाप्रसाद का लाभ लिया।

वापी में जुलूस के दौरान तीन बालक झुलसे

वापी, 16 फरवरी। बुधवार को वापी में ईद-मिलाद के जुलूस के दौरान हुई एक दुर्घटना में तीन बच्चे हाईटेंशन वायर से झुलस गये। मिली जानकारी के अनुसार पैगंबर हजरत मुहम्मद (स.अ.व) के जन्मदिन के अवसर पर मनाई जा रही ईद-मिलाद के संदर्भ में वापी में भी एक जुलूस निकाला गया। मिलादुन्नबी (स.अ.व.) का यह जुलूस जैसे ही जुगवे फलिया इलाके नगर के करीब से गुजर रहा था उस समय जुलूस में शामिल एक ट्रक में खड़े तीन बच्चे हाथ में माईक लिए पयगंबर,सलाब (स.अ.व.) की शान में नात शरीफ पढ़ रहे थे कि अचानक उनके माईक का वायर एक हाईटेंशन वायर से जा सटा, जिससे यह बच्चे बिजली का करंट लगने से झुलस गये। यह तीनों बच्चे इरफान अहबाज अली मंसूर उम्र 10 वर्ष, नईम शालीमखान उम्र 12 वर्ष और उस्मान अली खान उम्र 10 वर्ष को चिकित्सा के लिए वापी की हरिया अस्पताल में भर्ती कराया गया है।





PUBLIC NOTICE

Environment clearance for expansion of Manmade fiber manufacturing polyester oriented yarn/fully drawn yarn(POY/ FDY) other than rayon at M/s. Beekaylon Synthetics Pvt Ltd., Plot No 60,62,64 & 65,Survey No 205/1,205/2,207 Village: Masat- Samarvarni, Silvassa-396 230, Dadra & Nagar Haveli (U.T.)

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For Beekaylon Synthetics Pvt Ltd.
Sd/-

वापी का बुटलेगर पासा के तहत गिरफ्तार

वापी, 16 फरवरी। वापी के बरीठा निवासी रितेश विजय महान्ती को पुलिस ने शराब के मामले में गिरफ्तार कर लिया। जिस पर जिला मजिस्ट्रेट समक्ष अपने इस मामले में मजिस्ट्रेट ने उसे पासा के तहत धावनगर भेजने का आदेश दिया।

वापी में किंग फोर्ड के शो पहली वर्षगांठ धूमधाम से

वापी, 16 फरवरी। बुधवार के दिन वापी नेशनल हाइवे पर किंग फोर्ड के शो रूम के एक वर्ष पूर्ण होने के उपलक्ष्य में मेम्बर्स एवं ग्राहकों द्वारा बड़े ही धूमधाम से मनाया गया। ग्राहकों ने भी अपनी उपस्थिति दर्ज कराई। दरअसल किंग फोर्ड ने एक वर्ष के दौरान सर्विस अपने ग्राहकों को बुधवार के दिन एक वर्ष पूर्ण का शो रूम के उपलक्ष्य में बकायदा केक काटकर जश्न के रूप में मनाया। कंपनी ने अपनी खूबियों के कई अवार्ड भी करीब 265 जितनी गाड़ियों की बिक्री भी इसकी बेहतरीन हो चुकी है। फिलहाल आने वाले दिनों में और भी नई जोड़कर ग्राहकों को संपूर्ण संतुष्टि देने की कोशिश की आने वाले दिनों में किंग फोर्ड सर्वोत्तम स्थान ग्रहण कर स



Thursday, 17 February - 2011

દમણગંગા ટાઇમ્સ
DAMANGANGA TIMES

ઇ પરિવાર
ોએ જણાવ્યુ
દ્વારા આ બે
કથી પંદર કુટ
ામ કરવાની
ી તી. તેમજ
ે માટે આ
આવ્યા હતા
ંગ પર ઉભી
આવા ઉઠે ને
ભાઈ રા
વામાં આવ્યુ
દ્વારા ચુપ

ત્રણ્યાર સામે તથા નરેગા પાણ્ણ પડેલ તે જરૂરી છે.

PUBLIC NOTICE

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For Beekaylon Synthetics Pvt Ltd.
Sd/-

TATA TISCON
Trusted Steel for your home

Paras STEEL Traders

T.MT. Bars Structural Steels & Building Materials
MANIBAUG, KAILASH ROAD, VALSAD-396001
PH.02632-224164 (Rell.)326888, M-9375824164
TEL.FAX :02632-224351

સેલ... સેલ... સેલ...
લેડીસ, જેન્ટ્સ, ચંપલ, સેન્ડલ, સ્પોર્ટ, લેધર
શુ વર્કવારી, ડાયમંડ ચંપલ

Lakhani
લેડીસ, જેન્ટસ ડોકટર ચંપલ
રેડ ચીફ હૈ તો લેધર હી હોગા
ગરમી સામે રક્ષણ, લેડીસ માટે ફિલ્મસ્ટાર જેવી ડિઝાઇનવાળી
કંપનીઓની ઓલ સિઝન ફેશની વેરાયટીનો ભંડાર
લગ્ન સીઝન ની તદ્દન નવી ફેશની વેરાયટીઓ...
MAYUR FOOTWEAR
મયુર ફૂટવેર

જી. વલસાડના નામે રજુ-પુ રહેતા ધારો છે. જેઓએ તે મિલકત પોતાની સંપુર્ણ માલિકી અને કબજાવાળી તેમજ કલીયર ટાઇટલવાળી ખોજરહીત હોવાનું જણાવી તેમજ નવી શરતની જમીન અંગે જરૂરી પરવાનગી મેળવી હમારા અસીલને વેચાણ આપવાનું નક્કી કરેલ છે. તેથી હમારા અસીલે સદરહું જમીનનું ટાઈટલ ક્લીયરન્સ સર્ટીફિકેટની અમારી પાસે માંગણી કરેલ છે. જેથી કોઈપણ વ્યક્તિ, પેઢી, નાણાંકીય સંસ્થા કે અન્ય કોઈને પણ સદરહું મિલકત ઉપર કોઈપણ હક્ક, હિત, દાવો, અધિકાર, લીઝ પેન્ડન્સ લીપન કે ચાર્જ કે એટેચમેન્ટ ધરાવતા હોય તો આ નોટિસ પ્રસિધ્ધ થયેથી દિન - ૭ (સાત)માં અમો નીચે સહી કરનારને દસ્તાવેજ પુરાવા સહિત લેખિતમાં જાણ કરવી. જો તેમ કરવામાં કસુર યા ચુક થશે તો સદરહું જમીન ઉપર કોઈનો કોઈપણ જાતનો હક્ક, દાવો, બોજો કે હિત સંબંધ નથી. અને જો હોય તો તે જતો (વેચ) કરેલ છે. તેમ માની અમો ટાઈટલ ક્લીયરન્સ સર્ટીફિકેટ આપીશું. અને ત્યાર પછી હમારા અસીલ સદરહું જમીનનો વેચાણ દસ્તાવેજ કરાવી લેશે. ત્યારબાદ, કોઈની પણ તકરાર ચાલશે નહીં, જેની જાહેર જનતાએ નોંધ લેવી.

મિલકતનું વર્ણન

ખાતા નંબર : ૪૯૦

સર્વે નંબર	ક્ષેત્રફળ	ખરાબો	આકાર
૨૨/૧૩	૦-૬૫-૭૬	-	૦-૫૭
૨૬/૭	૦-૪૬-૫૪	-	૦-૫૮
૨૭/૧૭	૦-૦૫-૩૧	-	૦-૫૫
કુલ	૧-૧૭-૬૧	-	૧-૫૦

ખાતા નંબર : ૪૯૦

સર્વે નંબર	ક્ષેત્રફળ	ખરાબો	આકાર
૨૬/૪/પૈકી૧	૦-૩૬-૪૨	૦-૦૧-૦૧	૦-૮૦
૪૯/૮/પૈકી૧	૦-૪૮-૫૬	-	૦-૩૭
કુલ	૦-૮૪-૯૮	૦-૦૧-૦૧	૧-૧૭

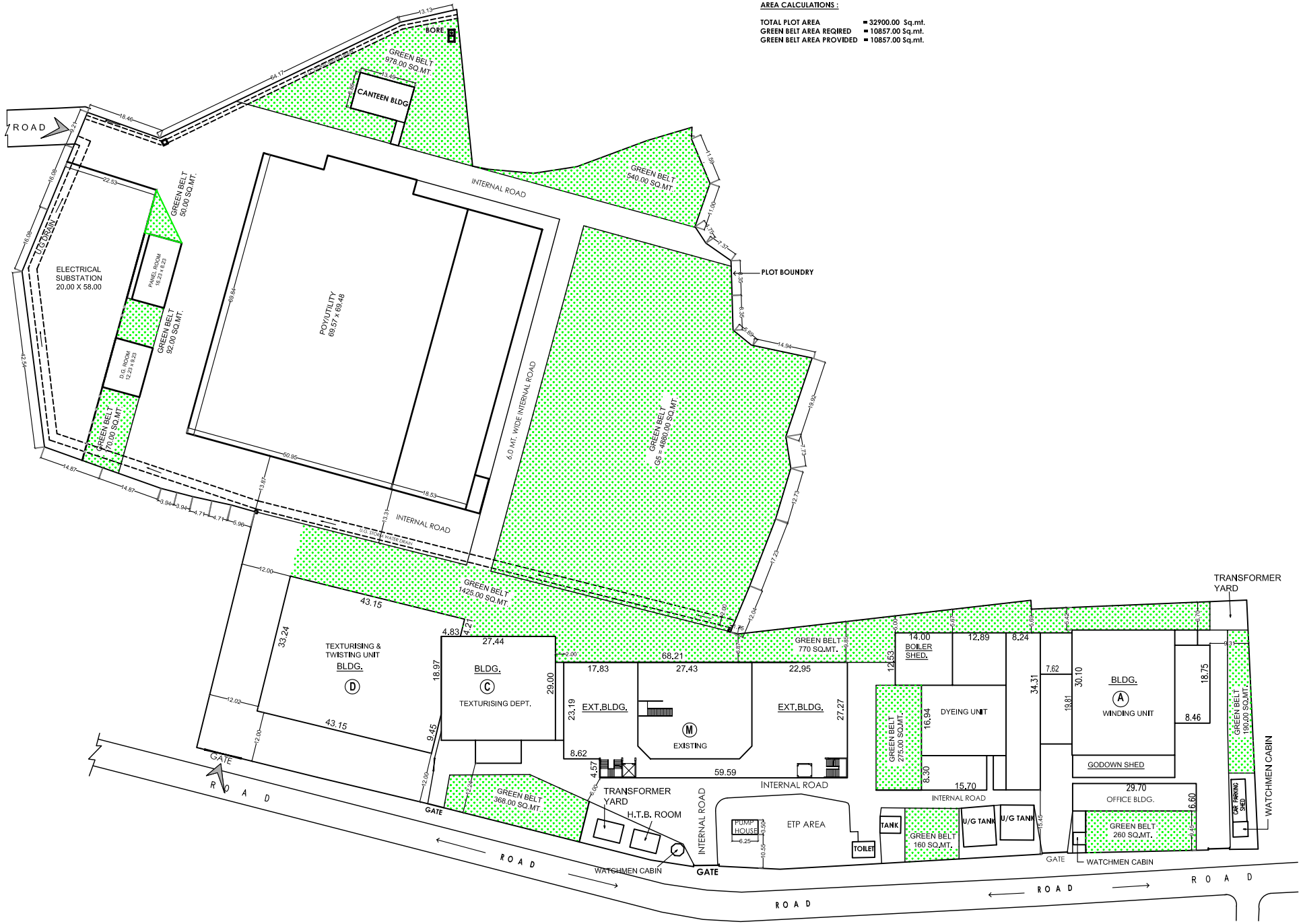
તારીખ: ૧૬/૦૨/૨૦૧૧
અમદાવાદ

વસંત એલ. શાહ
એડવોકેટ એન્ડ નોટરી
મુ.પો.અબ્રામા, તા.ઉમરગામ, જી.વલસાડ
મો. નં. 9377804542

❁ રસીક આર્ટ ❁
સાઈન બોર્ડ આર્ટીસ્ટ
રસીકભાઈ ડી. પટેલ
૯૩૫૮૯૩૪૫૬
• તમામ દેવી-દેવતાઓની મૂર્તીને આકર્ષક કલર કામ.
• શુધ્ધ સોનાનાં વરખમાં ગોલ્ડન ગોલ્ડન તકતી.
• માર્બલ તથા ગ્રેનાઇટ માં દાન દાતાઓની તકતીઓ.
• બીલ્ડીંગ, બંગલા, મકાનના સ્ટીલ - મેટલ નાં અક્ષરોબનાવી સ્થળ ઉપર ફીટ કરી આપીશું.
• ગ્લો સાઇન બોર્ડ, ફ્લેક્સ બેનર્સ, કાપડ નાં બોનર્સ, કોમ્પ્યુટરરાઇઝડથી ડેકોરેટીવ તથા ચિનાઇલનાં બોર્ડ ચિતરે માટે
કલર ૧ ફોન કરી સંપર્ક માટે કોઇપણ સ્થળે - સમયે બોલાવો, અમે તુર્ત સંપર્ક કરી સંતોષ કારક કામ કરી આપીશું.

Annexure-XII

- Site Layout Plan.



REV. NO.	DESCRIPTION	MADE BY DATE	APR. BY DATE

CLIENT :

M/S. BEEKAYLON SYNTHETICS PVT. LTD.
PLOT NO. 60,62,64,65 & S.NO.207
AT VILLAGE SAMARVARNI
SILVASSA.(U.T. OF D & N.H.)

TITLE :-

LAYOUT PLAN

DRAWN.	NIM	DATE	11-01-12
CHECKED.	YRP	SCALE	1:200
REV.	R/0	JOB NO.	PA-000-00

DRG.NO. :- LP/1

Annexure-XIII

- Copy of Form – V.

Beekaylon SYNTHETICS PVT. LTD.

Date: September 26, 2017

To,
Member Secretary,
Pollution Control Committee,
Daman, Diu and D&NH,

Sub: Submission of Environmental Statement (Form – V) for the year 2016 – 2017.

Dear Sir,
We are submitting Environmental Statement duly filled in prescribed Form – V with all relevant details for the year 2016 – 2017 as per the environmental laws.

Kindly acknowledge the receipt of same.

Thanking you and assuring you our best co-operation always.

Sincerely yours,
For **Beekaylon Synthetics Pvt. Ltd.**

Praful B Rathod
(Authorized Signatory)

Enclosures:

1. Form – V.
2. Copy of Treated water analysis report.
3. Copy Flue Gas Stack Monitoring and Ambient Air Quality Monitoring Report.

27/9/17

POLLUTION CONTROL COMMITTEE
Regional Office
Daman, Diu and Dadra & Nagar Haveli
SILVASSA

Works-1 : Survey No. 207, 205/1, 205/2, Village Samarvarni, Silvassa - 396 230. (D. & N. H.)
Works-2 : Plot No. 60,62,64,65, Govt. Ind. Estate, Masat (Via) Silvassa - 396 230.(D. & N.H.)
Tel.: (0260) 2640842, 2640843, Fax : 2640641 E-mail : silvassa@bklon.com, bslsilvassa@rediffmail.com

Regd. & Administrative Office :
Office Nos.15,16 & 17, Maker Chamber - 3, Jamnalal Bajaj Road, Nariman Point, Mumbai - 400 021
Tel.No.: (022) 43530400, 43530410, 43530411 E-mail : ho@bklon.com

FORM V
(SEE RULE 6)

From,
M/s. Beekaylon Synthetics Pvt. Ltd.
Survey No. 205/1-2 & 207 & Plot No.60,62,64,65,
Govt. Industrial Estate,
Village Masat - Samarvarni,
Silvassa, Dadara & Nagar Haveli 396230.

To,
Member Secretary,
Pollution Control Committee,
Daman, Dio and & D& NH,
Silvassa.

Environmental Statement for the financial year ending on the 31st March, 2012.

PART - A

(i) Name & Address of the owner/occupier of the Industry operation or process : Mr. Subhashis A. Chatterjee
(Authorized Signatory)
M/s. Beekaylon Synthetics Pvt. Ltd.
Survey No. 205/1-2 & 207 & Plot No.60,62,64,65,
Govt. Industrial Estate,
Village Masat - Samarvarni,
Silvassa, Dadara & Nagar Haveli 396230.

(ii) Industry category Primary - (STC Code) : Large Scale Industry
Secondary (STC Code)

(iii) Production Capacity - Units :

1. Polyester Texturised & Twisted Yarn (existing Dyed yarn) : 24960 MT/Year
2. Polyester Oriented Yarn (i.e. POY) / Fully Drawn Yarn (FDY) : 31500 MT/Year

(iv) Year of establishment : 1994-95

(v) Date of the last environmental statement : --

PART B

Water and Raw Material Consumption

(I) Water Consumption m³/day

Process	: Nil
Cooling & Boiler	: 75 m³/Day
Domestic	: 17 m³/Day
Other (Washing)	: 05 m³/Day
Gardening	: 20 m³/Day

	Name of product	Process water consumption per unit of product output. During the previous financial year. (1)	During the current financial year (2)
1.	Polyester Texturised & Twisted Yarn (existing Dyed yarn)	Nil	Nil
2.	Polyester Oriented Yarn (i.e. POY) / Fully Drawn Yarn (FDY)	Nil	Nil

(II) Raw Material Consumption

Name of Raw Materials	Name of product	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
1. Partially Oriented Yarn (POY) for PFY	1. Polyester Texturised & Twisted Yarn	1.000 MT/MT	1.000 MT/MT
2. Chips for POY	2. Polyester Oriented Yarn (i.e. POY)/ Fully Drawn Yarn (FDY)	1.013 MT/MT	1.018 MT/MT
3. Chips for FDY		Nil	Nil
4. Finish Oil		0.0088 MT/MT	0.0079 MT/MT
5. Antistatic Oil		0.005 MT/MT	0.005 MT/MT

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

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 / Day)	Percentage of variations from prescribed standards with reason
(i) Water		As per enclosed annexure I	As per enclosed annexure I
(ii) Air		As per enclosed annexure – II	As per enclosed annexure II

PART D

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

Hazardous Waste	Total Quantity (Kg).	
	During the previous financial year	During the current financial year
(a) From process	--	As per enclosed annexure III
(b) From pollution control facilities		

PART E

SOLID WASTE

	Total Quantity	
	During the previous Financial year	During the current Financial year
(a) From process (b) From pollution control facility (c) Quantity recycle or re utilized within the unit (1) Sold (2) Disposed		As per enclosed annexure – III

PART - F

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

As per enclosed Annexure – III

PART - G

Impact of the pollution abatement measures taken on conservation of natural resources and on the conducted.

As per enclosed Annexure – IV

PART - H

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

Not Applicable

PART - I

Any other particulars for improving the quality of the environment.

Tree Plantation

Signature :

Name :

Designation :

Date :

ANNEXURE – I

POLLUTION DISCHARGE TO ENVIRONMENT THROUGH EFFLUENT PER DAY:

- QUALITY AND QUANTITY OF WASTE WATER :-

a) Effluent is generated from the washing is treated through adequate Effluent Treatment Plant installed within the company premises.

b) The analysis test report of the treated effluent is enclosed.

c) The analytical test results of treated effluent confirm the stipulated norms.

d) Domestic effluent is disposed of through soak pit system.

UltraStar

Ultra Standard Laboratories

Ultra Standard Laboratories
Plot 12, Industrial Area
Phase 3, Block C
Ultra Standard Laboratories

TEST REPORT

Report No.	ULTRA-2024-03-0847	Date of Report	15/04/2024
Customer	Meridian Water Solutions Ltd.		
	Attention: Mr. Edward Thomas		
	Head of Procurement		
Sample Details	Municipal Water Sample	Sample Type	Drinking Water
Date Received	08/04/2024	Sample Size	2 litres
Received By	RK	Appearance on Receipt	Colourless
Date Tested	09/04/2024	Date Completed	15/04/2024

Test Results

No.	Parameter	Test Method	Unit / Limit	Result
		PHYSICAL PARAMETERS		
1	pH at 25 °C	In-house Method UL-PH-03 (Potentiometric)	6.5 – 8.5	7.21
2	Colour (True Colour)	In-house Method UL-COL-01 (Visual Comparison)	Hazen	4
		CHEMICAL PARAMETERS (Inorganic)		
3	Total Dissolved Solids	In-house Method UL-TDS-02 (Gravimetric)	1000 mg/L	318
4	Total Suspended Solids	In-house Method UL-TSS-02 (Gravimetric)	100 mg/L	<5
5	Electrical Conductivity at 25 °C	In-house Method UL-EC-01 (Conductivity Cell)	2500 µS/cm	512
6	Total Hardness as CaCO₃	In-house Method UL-TH-01 (EDTA Titration)	500 mg/L	142
7	Total Chlorine	In-house Method UL-CL-04 (DPD Colorimetric)	5 mg/L	0.31
8	Fluoride (as F⁻)	In-house Method UL-F-02 (Ion-Selective Electrode)	1.5 mg/L	0.62
9	Sulphate (as SO₄)	In-house Method UL-SO4-01 (Turbidimetric)	400 mg/L	96.4

Limits from Drinking Water Regulations 2018 — Schedule 1 and Schedule 2 apply.

Authorised Signatories

Reviewed By
(Chemist)

Checked By
(Senior Chemist)

Authorised By
Operations Manager

Page 1 of 2

This report relates only to the sample tested. Results apply to the sample as received. Uncertainty of measurement is available on request. Ultra Standard Laboratories is accredited to ISO/IEC 17025 for the tests marked in Schedule 2. This report shall not be reproduced except in full without written approval.

ANNEXURE – II

POLLUTION DISCHARGE TO ENVIRONMENT FROM FURNACE PER DAY:-

A) Stack Location: Steam Boiler Capacity: 2 MT/Year (02 Nos.)

The company has provided adequate stack height of chimney for Steam Boiler, Flue Gas Stack Monitoring Report is enclosed

B) Stack Location; D. G. Set: 750 KVA (01 Nos.) & D. G. Set: 125 KVA (01 Nos.)

The company has provided sufficient stack height of chimney for D. G. Set, Flue Gas Stack Monitoring Report is enclosed

UrbanStage

[illegible]

[illegible]

TEST REPORT

(SOIL & AGGREGATE TESTING)

Test Report No.	UR/RT/23/0815/0006	Report Issue Date	05/06/2023
Service Request Date	01/06/2023	Service Request No.	UR/SR/23/0612
Sample ID No.	UR/SR/23/0612/S-14	Material Source Name/ No.	UR/RM/23/0512/S-07
Name & Address of Customer	M/s. Meadowbrook Agriculture Pvt. Ltd. Survey No. 204/1, Plot 7, Village – Samaravaram, Tehsil & District Nellore – 524 412.		
Date of Sampling	01/06/2023	Date of Testing	01/06/2023
Type of Sample	Bulk		
Representation of Sample	Grab Collection		
Purpose	Check		

Details of Material Used for Embankment

Source Location	UR/RM/23/0512		
Permanent Name	Sarah Mountain Quarry, Block 3	Coastal Elevation	45 m (147 ft)
Quarry Operator	A. Reddy & Sons	Last Calibration Date	28/02/2023

Geometrical Details of Embankment

Sr. No.	Description	Unit of Measurement	Observation
1	Total Height	m	7.5
2	Total Width	mm	5400
3	Total Area	m²	0.0750
4	Ambient Temperature	°C	31
5	Relative Humidity	%	58
6	Wind Velocity	m/s	3.4
7	Volume Flow	m³/h	0.0214

Test Parameters Results

Sr. No.	Test Parameters	Unit of Measurement	Result	Specified Value	Test Method
1	Particle Size Distribution	mm/Phi	62	≥ 250	IS 1220-4(Part 1)
2	Coefficient of Curvature	mg/dl	24	≥ 40	IS 1220-5(Part 2)
3	Coefficient of Uniformity	mg/dl	61	≥ 25	IS 1220-5(Part 2)

Authorized By:

(Mrs. Lakshmi Subramanian)

Tested By

(T. Ramakrishna)

Sampling Done By:

(Mr. Vijay Kumar)

Page No. 1 of 1

UR/RT/23/0815/0006

Urban Stage Testing Laboratory, Plot No. 112, Phase 2, Chandanpur Industrial Estate, Nellore – 524 003, Andhra Pradesh
Email: labwork@urbanstage.in, Phone: 0861-2345678

PharmaStar

Wharf Road
[illegible] Opp. [illegible]
Wharf Road [illegible]
[illegible] [illegible]
Email id: [illegible]@[illegible].com

TEST REPORT
(STATIC MIXER TURBINE)

Test Report No.	PS/RM/STR/0[illegible]	Report Issue Date	[illegible]
Sample Description Issue No.	DPR/Fabrication/[illegible]	Previous Report Date	04/01/2017
Sample ID No.	DPR/ABB/[illegible]	Test Procedure No.	PS/RM/DPR/[illegible]
Customer Address	M/s. Deshpande Synthetics Pvt. Ltd. Survey No. 36/1, [illegible], Village - Sanaswadi, Shirur, Pune, Maharashtra - 412208		
Date of Sampling	03/01/2017	Date of Receipt	03/01/2017
Test Sample Description	12" SS Shell (PSR-MM)		
Test Result	Passed		

- Instrument Details Used for Inspection:

Instrument Id No.	DPR/ABB/MMR/05		
Instrument Name	Static Mixer Mounting RIG, M/S63	Serial Number	A36-P118-08
Date of Test	03/01/2017	Next Calibration Due On	03/01/2018

- Physical Static Mixer Dimensional Verification:

Sr. No.	Description	Unit of measurement	Observations
1	Shell Length	m	1.5
2	Shell Dia	mm	[illegible]
3	Shell Area	m^2	[illegible]
4	Ambient Temperature	°C	15
5	Fluid Inlet Temperature	°C	[illegible]
6	Fluid Flow Velocity	m/s	[illegible]
7	Pressure Drop	m^3/h	[illegible]

- Test Parameters Results:

Sr. No.	Test Parameter	Unit of measurement	Results	Specified Values	Test Method
1	Permeable Matter	mg/Nm^3	[illegible]	< [illegible]	PS/[illegible]/Part II
2	Sulphur Dioxide	mg/Nm^3	[illegible]	<[illegible]	PS/[illegible]/Part I
3	Nitrous Oxide	mg/Nm^3	[illegible]	<[illegible]	PS/[illegible]/Part II

Witnessed By:
[illegible]
(Production Engineer)

Verified By:
[illegible]
(Chemist) / (Sr. Chemist)

Authorized By:
[illegible]
(Manager - Operations)
DPR/ABB/F-04/00

[illegible] Gala No. [illegible], Opp. [illegible], Wharf Road, [illegible]
Email id: [illegible]@[illegible].com, [illegible]@[illegible].com
VAT TIN 27[illegible]V

UniStar

Accredited & ISO 9001:2015 Certified Lab

Sample Drop-off
Near Toll Plaza, Service Road Entry
Bypass Road, Kadipur Industrial Area
Phone: +91-98765-43210, +91-98765-43211
Email: reports@unistarlabs.in, info@unistarlabs.in

TEST REPORT
(AMBIENT AIR MONITORING)

Test Report No.	UEL/AIR/2023/A-003	Report Issue Date	05/01/2023
Sample Received Date	01/01/2023 10:30 hrs	Sample Analysis Date	01/01/2023
Sample ID No.	AIR/AMB/01/01/2023	Final Data Cleared On	03/01/2023
Name & Address of the Customer	M/s. Deepakshi Synthetics Pvt. Ltd. Survey No. 312/1, 314/2, Village – Sanjeevani, Bhagwal, Dahanu Taluka – 401 602.		
Type of Sample, Quantity and Condition	Particulate Matter Cyclone Sampler	Date of Receipt	01/01/2023
Declaration of Conformity / Non-conformity	Within Company Parameters		
Test as per Standard Procedure and Sampled	Yes		
Remarks, if any	Nil		

- Details of Ambient Instrument Used for Monitoring:

Instrument ID No.	Instrument Name	Serial Number	Last Valid Upto	Next Cal. Due on
UEL/AIR/HVS/04	Respirable Dust Sampler (Envirotech APM 460 BNL)	ENV/APM 460 BNL/2018/0234	21/08/2022	20/08/2023
UEL/AIR/LVS/02	Low Volume Sampler (Envirotech APM 550)	ENV/APM 550/2019/0112	11/04/2022	13/03/2023

- General Summary / Meteorological Observation at the Site of Sampling:

Sr. No.	Description	Unit of measurement	Observation
1	Monitoring Duration	h	08
2	Flow Rate of PM_{10}	m^3/min	1.20
3	Volume of Air sampled for PM_{10}	m^3	576.0
4	Volume of Air sampled for $PM_{2.5}$	m^3	288.0
5	Flow Rate for Gases	L/min	0.5
6	Volume of the Sample for Gas	L	240.0

- Environmental Conditions during testing: Temp. 28 ± 2 °C, Relative Humidity 60 to 70%.

- Test Parameter Results:

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQS'09)	Test Method
1	Particulate Matter (PM_{10})	µg/m³	64	100	IS 5182, Part 23
2	Particulate Matter ($PM_{2.5}$)	µg/m³	28	60	CPCB Manual Volume 1
3	Sulphur Dioxide	µg/m³	20.4	80	IS 5182, Part 2
4	Nitrogen Dioxide	µg/m³	24.6	80	IS 5182, Part 6
5	Carbon Monoxide	mg/m³	0.81	2.0	By Using Gas Analyzer

Sampling Done By:
(Technical) / (Supervision)
Page No. 1 of 2

Tested By
(Analytical) / (Col. Chemist)

Authorised By:
(Manager – Quality Assurance)
UEL/AIR/F-04/02

ANNEXURE - III

Solid Waste Management Plan

Details of Solid waste generation and its method of collection, storage and disposal.

Sr. No.	Name of the solid waste	Source	Category of Schedule-I	Quantity	Disposal
1	ETP Waste	Waste water Treatment plant	35.3	4.74 MT	Collection, Storage and disposal off through TSDF.
2	Used Oil	Plant and Machinery	5.1	685 Ltr	Collection, Storage and used for external lubrication and remaining is stored.
3	Empty Drums	Raw materials	33.1	150 Nos.	Collection, Storage and return back to raw material suppliers.
4	Empty Bags	Raw materials	33.1	3600 Nos.	Collection, Storage and return back to raw material suppliers.

ANNEXTIRE - IV

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

There is no any negative impact on natural resources because

- Effluent is generated during the washing of the Equipments & floor and Boiler & cooling tower blow down which is treated through adequate Effluent Treatment Plant installed within the company premises.
- The analytical test results of treated effluent confirm the standards.
- The treated effluent is used for Gardening.
- Domestic effluent is disposed of through soak pit system.
- The entire employee maintains the safety rules.
- There are no leakages observed and company maintains good housekeeping.

Annexure-XIV

- Data Sheet.

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment & Forest
Western Region, Regional Officer, Bhopal

MONITORING REPORT

PART – I
DATA SHEET

1.	Project type: River – valley/ Mining/ Industry/ Thermal/ Nuclear/Others (specify)	**:**	Industry
2.	Name of the project	**:**	M/s. Beekaylon Synthetics Pvt. Ltd.
3.	Clearance letter (s) / OM No. and date	**:**	F. NO. J-11011/66/2010-IA-II (I) Dated: 30.12.2010
4.	**Location** a) District (s) b) State (s) c) Location Latitude / Longitude	: : : :	 Silvassa, Dadra & Nagar Haveli **Longitude**: 20.249205° E; **Latitude**: 20.249205° N
5.	**Address for Correspondence** a) Address of the Concerned Chief Engineer (with Pin Code & Mob. No./Telephone/ TeleFax/E-mail) b) Address of the concerned Project Engineer (with Pin Code & Mob. No./Telephone/ TeleFax/E-mail)	 : :	 Mr. Mahesh Lakhvani 10, JASVILLE, New Marine lines, Mumbai-400 020, Maharashtra Tel. no. : 0260 – 2640842, 2640843, Mob. No.- 9824155877, Fax no. : 0260 – 2640641 Email: mlakhwani@hotmail.com Mr. Subhashis Chatarjee Plot no. 5th-2, Neelkanth Apartment, 6th Cross Lane, Dilip Nagar, Daman – 396 210. Tel. no. 9824155092 Mob. No.-9824155092 Fax no. : - Email: chatterjee@beekaylon.com
6.	**Salient Features** a) of the Project b) of the Environment Management Plan	 **:** **:**	The salient features of the project and EMP Is enclosed as **Annexure-I** and **Annexure-II** respectively.
7.	**Break up of the Project Area** a) Submergence area : Forest & Non-Forest b) Others	 **:** **:**	No forest and non-forest area falls under project area. Breakup of the project area Enclosed As **Annexure-II.**
8.	Break up of the project affected population with enumeration of those losing House/ dwelling units only agricultural Land both dwelling Units	**:**	Not Applicable

	& agricultural Land & land lesslaours/artisan a) SC,ST,Adivasi b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out give details & year of survey)	 : :	 Not Applicable Not Applicable
9.	**Financial Details :** a) Project Cost as originally revised estimates and the year of price reference. b) Allocation made for environmental management plan with item wise and year wise break-up. c) Benefit cost ratio/internal rate of Return and the year of assessment(if applicable) d) Whether above includes the cost of environmental management as shown in the above. e) Actual expenditure incurred on the project so far. f) Actual expenditure incurred on the environmental management plans so far.	: : : : : :	The Financial details are enclosed as - **Annexure III.**
10.	**Forest Land Requirement** a) The status of approval for diversion of forest land for non-forestry use b) The status of clearing felling c) The status of compensatory afforestation, if any d) Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far.	 : : :	 The unit is located in Notified Industrial Zone, Masat-Samarvarni, Silvassa, The unit is located in Notified Industrial Zone, Masat-Samarvarni, Silvassa, The unit is located in Notified Industrial Zone, Masat-Samarvarni, Silvassa,
11.	The Status of Clear Felling in non-forest areas (Such as submergence area of reservoir, approach roads.), if any with quantitative information.	:	The unit is located in Notified Industrial Zone, Masat-Samarvarni, Silvassa,
12.	**Status of Construction** (Actual & / or planned) a) Date of Commencement (Actual and/or planned) b) Date of Completion (Actual and/or planned)	 : :	 30.12.2010 20.04.2011
13.	Reason for the delay if the project is yet to start.	:	None
14.	Details of site visits a. The dates on which the project was monitored by the MoEF&CC, Regional Office on previous occasions. (if applicable)	:	As below.

Site Visit Date	Letter from R.O. ,Bhopal	Dated:	Reply from PA
09.04.2018	5-64/2011ENV)/015	10.05.2018	Compliance report submission

Annexure I

SAILANT FEATURES OF THE PROJECT AND ENVIRONMENT MANAGEMENT PLAN

Name of the Project : **M/s. Beekaylon Synthetics Pvt. Ltd.**
Location : Plot No. 60, 62, 64 & 65,
Survey No. 205/1-2 & 207, Govt. Industrial Estate,
Village-Masat-Samarvarni, Silvassa, D & NH-396 240 (U.T.)

Project

M/s. Beekaylon Synthetics Pvt Ltd. has a facility to produce "Polyester Texturised /Twisted Yarn/ Polyester Dyed Yarn and Coning/Winding of Polyester Dyed Yarn @ 9960 MTA". It is proposed to increase Polyester Texturised & Twisted Yarn capacity from 9960 MTA to 15000 MTA and introduce new products "Polyester Oriented Yarn and Fully Drawn Yarn @ 31500 MTA". The company plans to go into backward integration process, as POY is the primary raw material for manufacturing "Polyester Texturised Yarn" which is the existing product of the company.

The proposed expansion project provides a potential growth opportunity for the already running business of the company. The company is already engaged in the business of Texturised & Twisted yarn since 1975. The company in its beginning phase used to purchase "Polyester Oriented Yarn (POY)" from the open market for production of Texturised & Twisted Yarn. Now the company plans to manufacture in-house "Polyester Oriented Yarn (POY)" by procuring Polyester chips from the open market and use the same POY for its captive consumption for manufacturing of Texturised Yarn. The excess quantity of POY after captive consumption will be sold in the open market.

Moreover, industry experts indicate that the Texturised Yarn manufacturers with backward integration of POY not only get a constant supply of raw materials but are also in a better condition to price their end product. By doing so, it would also result in saving transportation cost, commission and packing cost.

There will be no use of water for the proposed expansion activity. The water is used only for domestic purpose, in boiler, for cooling tower and gardening, so waste water is generated from domestic activity and industrial activity which is sent to effluent treatment plant and reused inside the plant thus ensuring zero discharge.

Applicability of EIA notification – 2006

- As per the EIA notification- 2006 as amended: existing products (i.e. Polyester texturised & twisted yarn and polyester oriented yarn) are covered under the **Category-5(d)–** "Man made fiber other than Rayon ".

⇨ Manufacturing of "Man made fiber other than Rayon " is covered under Category –B, but due to the applicability of General Conditions this project is categorized as Category-A and applied to MoEF for obtaining Environmental Clearance.

Project Proponent

⇨ The company is a registered Private Limited company and is promoted by Five Directors.

Sr. No.	Name of Directors	Residential Address
1.	Mr. Nand K. Khemani	32, Elcid, 13, Ridge Road, Malabar Hill, Mumbai – 400 006.
2.	Mr. Ashok K. Khemani	32, Elcid, 13, Ridge Road, Malabar Hill, Mumbai – 400 006.
3.	Mr. Mahesh Lakhwani	Beekaylon Bungalow, Kalvani Road, Silvassa, D & NH.

LIST OF PRODUCTS (MT / Annum)

Sr. No.	Name of the Products	Quantity (in MT/Annum)
Existing		
1.	Polyester Texturised/Twisted Yarn & Polyester Dyed Yarn, Coning/Winding of Polyester Dyed Yarn	9960
Proposed Expansion Scenario		
1.	Polyester Texturised & Twisted Yarn	15000
2.	Polyester Oriented Yarn (i.e. POY) / Fully Drawn Yarn (FDY)	31500
After Expansion Scenario (Total)		
1.	Polyester Texturised & Twisted Yarn	24960
2.	Polyester Oriented Yarn (i.e. POY) / Fully Drawn Yarn (FDY)	31500

The following are the salient features of the project:

Description	Name & Arial Distance
Air Port	Daman- 22 KM
Railway station	Vapi- 25 Km
Port	Daman- Approx. 30 KMs
National Highway	NH 8B- Approx 13 Kms
State Highway	SH -185A Approx. 0.5 Kms
Town/City	Silvassa – 4.3 KM
Village	Masat– 1.5 Km
River/Reservoir	Damanganga- 3.5 Kms, Madhuban Dam-4.5 Kms
Sea	Arabian Sea 33 Kms
Forest	2.9 Kms Approx. (Patches of Reserved Forest)

Hazardous Waste Management:

Types of Waste & Category	Source of Generation	Qty	Storage Method	Method of Disposal
ETP waste (35.3)	From ETP	1.5 MT/Month	Will be packed in bags and stored at a designated area	Will be sent to GEPIL site, Silvassa for final disposal.
Yarn waste	From process	0.5 MT/Month	Will be packed in bags and stored at a designated area	Will be recycled back /sold to actual users.
Tex. Yarn waste	From process	0.4 MT/Month	Will be packed in bags and stored at a designated area	Will be recycled back /sold to actual users.
Used oil (5.1)	From gear box and D.G. Sets	1.5 KL/Annum	Will be stored in drums	Will be sold to registered refiners/ sent to TSDF site
Empty drums (33.1)	Raw material cons.	150 Nos/Annum	Will be stored at a separate storage area	Will be reused for packing /sold to authorized scrap vendor
Empty bags (33.1)	Raw material cons.	8000 Nos/Month	Will be stored at a separate storage area	Will be reused for packing /sold to authorized scrap vendor

Annexure - II

ENVIRONMENT MANAGEMENT PLAN:

1. GENERAL

1.1. INTRODUCTION

An Environmental Management Plan (EMP) can be defined as "an environmental management tool used to ensure that undue or reasonably avoidable adverse impacts of the construction, operation and decommissioning of a project are prevented; and that the positive benefits of the projects are enhanced". EMPs are therefore important tools for ensuring that the management actions arising from Environmental Impact Assessment (EIA) processes are clearly defined and implemented through all phases of the project life-cycle. This plan also helps an organization map its progress toward achieving continual improvements.

Each organization is unique and, so is Environmental Management Plans. The level of detail and length of an EMP will vary depending on the type of organization, the complexity of its processes and the maturity of the organization in understanding its environmental responsibilities. Some plans may end up being only a few pages long, while others could become extensive documents

An EMP consists of:

- Environment Protection Plan to reduce impacts and risks. Issues related to existing legislation, codes of good engineering practice, proponent commitment, and similar other tasks are also discussed here.
- Summary of Impacts and Risks. These are the actual expected impacts and risks of the projects, which will need to be managed, monitored, and reported.
- Impact Management and Environmental Enhancement to balance adverse impacts by providing alternate benefits to adversely impacted persons or biophysical systems.
- Environmental Effects Monitoring (monitoring plans).
- Impact Reporting.

Addition sections of this chapter document:

- Implementation of Environmental Management Plan
    - Institutional strengthening needs
    - Training and technical assistance needs
    - Public participation
    - EMP Implementation Schedule
    - EMP Costs

The emphasis is on identifying issues and options, to guide the detailed design of specific EMP measures as part of programme and project feasibility studies. Environmental Management Planning gives you the tools to assess and manage environmental issues during every phase of your project or operations. The outcome will minimize the risk of costly, time-consuming environmental issues, while maximizing productivity, bottom-line performance and goodwill. It provides a framework through which environmental priorities, responsibilities and risks are systematically managed. EMPs, which are often a key component of a project's regulatory filings, provide the basis for assurance that environmental factors will be carefully managed throughout the project lifecycle.

1. OBJECTIVES OF EMP

- To establish the present environmental scenario.
- To prepare a detailed action plan for implementation of mitigation measures.
- To suggest preventive and mitigation measures to minimize adverse impact and to maximize beneficial impacts.
- To prepare an afforestation or Greenbelt Development scheme.
- To suggest a rain water harvesting scheme and energy conservation actions
- To suggest a monitoring programmed to evaluate the effectiveness of mitigation measures.
- To suggest the formation of a core group (Environment Management Cell) responsible for implementation of environmental control & protective measures as well as monitoring of such implementation.
- To prepare a capital cost estimate and annual recurring cost for Environmental Management Plan.

2. ENVIRONMENTAL PROTECTION PLAN

Environmental protection plan includes the mitigation measures and other environmental management activities & pollution control techniques & technologies for any project. This is important most aspects to preserve & improve the environmental quality of project area. The details of the suggested mitigation measures, environment management activities & pollution control techniques & technologies are described in subsequent paragraphs of the chapter under respective headings.

3. MITIGATION FOR PRE-CONSTRUCTION AND CONSTRUCTION PHASE IMPACTS

Some minor pre-construction and construction activities and impacts are associated with the development of proposed project in an Industrial Area of Government in UT of Dadra & Nagar Haveli. As the site is located in Govt Industrial Zone there would not be any major considerable impacts of pre-construction & construction activities. However, some potential impacts from the activities are considered for planning of mitigation measures to reduce the impacts to negligible extend of significance.

3.1.1 Land acquisition and site preparation

Land acquisition and site preparation activities and its impacts are a factor of core construction activities where land has to be acquired and preparation of site has to be done for carrying out further activities. The land to be acquired is of no prior importance as it is within designated Govt. Industrial Zone without any settlement. Hence, the impacts on the regional area viz. number of people, hectares of land affected, allied affects, etc. are negligible in regional terms. The impacts can be further minimised only through effective selection and designing of plans, proper resource allocation in order to minimise land use change and to use infrastructural sites of least value in current use. However, as the land to be used is industrial zone as said earlier, issues of land use / land cover change mitigation is not envisaged and hence major mitigation measures are not required. However, it is suggested to develop sufficient greenbelt area to add a little value in improvement of land cover of the area.

3.1.2 Construction activities:

Construction activities are one of the most concern tasks for environmental aspects to be considered during implementation of any project, as these activities can cause both harmful as well as beneficial impacts to the environment. As far as beneficial impacts are considered, no mitigation measures are required as benefits are always to be enhanced therefore the major factor to be focused while

formulating EMP shall be that the people concerned should have their eyes and mind on the adverse effects, catch them, make probable estimation of the impact, analyse the impact and suggest some probable mitigation measures which can either alter or minimise the negative impact to most considerate extent. For this purpose detailed information shall be collected viz. details of the components responsible for the occurrence of the negative impact, activity operation involved which led to occurrence of such impact, construction material responsible, emissions from construction vehicles, prevailing geographical & ecological conditions as well as other allied factors which have concern with occurrence of adverse impacts. A detailed, prop-founded and conscientious study of such details along with study of impact is most essential part for the formulation of EMP as this is the core structure on which EMP has to be formulated. Depending upon the analysis and result of these details proper mitigation measures are formulated before the finalisation of EMP. The major activities to be considered in the construction phase while formulating EMP are civil works, mechanical works, machinery works, transportation works and other related activities. In general, the construction activities can create the following principal major impacts to the environment:

- Release of construction materials and dust into the environment from the construction site/materials.
- Noise pollution from construction activities
- Short term changes due to contamination of land due to disposal of construction wastes and deterioration in air quality due to emissions from automobiles and machinery during construction
- Effects on the life style of nearby habitants due to disturbance by transportation & traffic, night-working and flood-lighting
- Effects on human or other terrestrial organisms due to the inhalation of the contaminated/polluted air.
- Effects on health of the human, birds and other terrestrial animals due to increase in noise level.
- Effects may occur due to the accumulation of the contaminant in water resources & soil due to uptake of construction material
- Effects on work place condition & human health due to the accidents during the construction works.
- Impacts to avifauna or other carnivores which may prey upon other organisms affected by the contamination.
- Effects on the socio-economic activity due to direct impacts or indirect impacts on socio-economic activities.

Even though the issues are major but they can substantially be minimised or reduced to significant extent by practising suitable and probable mitigation methods suggested in the EMP. Hence, the EMP acts s a core and base structure of this issues and should be formulated with due and ample care and consideration as no matter how significant or major the impacts are, proper mitigation measures can surely bring it down to negligible position. However, a slight negligence in the studying, selecting and implementing process can prove hazardous to all social, economical, civilian, ecological and other related area of the environment. Hence, the areas of major focus of EMP should be concentrated mainly on operational and maintenance activity of construction phase, deciding proper manner and route of working of the vehicles in order to avoid accidents and hefty traffic, providing

suitable facilities and effective conditions to avoid accidents and proper medical aid in case of occurrence of any accident so as to avoid any loss of life.

These were only the negative impacts but we should forget that every activity has an effect followed by a side-effect therefore some of the major beneficial impacts to be focused are:-

- Employment opportunities: recruitment of local labourers
- Trading opportunities: procurement of construction materials locally
- Clean up operations, landscaping and plantations

Therefore, construction phase activities would have moderate impacts on on-site noise and air quality, land use and ecology. It could also develop minor impacts on on-site soils, water use and water quality. It will also have major local socio-economic impacts.

The main impacts of construction phase are loss of agricultural land and such impact is long term. The other impacts of construction phase will be small in magnitude as well as temporary in nature and are expected to wear out gradually once the construction activity is completed. Further, the major and long term impacts can also be reduced and minimized by proper and substantial implementation of mitigation measures. In brief during the construction phase following general mitigation measures shall be taken in consideration.

Land Environment

- The small amount of construction debris and surplus excavated material shall be disposed of in suitable pre-identified areas. It is suggested that the construction waste containing sand, brick, gravel, cement etc. shall be used for filling or PCC for construction of internal road or project structures.
- Storage & handling of construction materials shall be done properly to avoid spillage or leakage which may cause release of the material in environment causing adverse impacts.
- Adequately designed closed & properly lined (impervious lining) storage area shall be provided for construction materials to prevent land/soil contamination.
- Excavated earth shall be used for filling of low-lying area or construction works as well as landscaping.
- Proper sanitation facilities shall be provided to avoid contamination of land due to dumping of domestic waste as well as disposal of untreated sewage.
- Designated fuel storage & Refuelling area shall be provided with impervious lining to prevent land contamination due spill/leak of fuel during storage & refuelling.

Water Environment

- Storage area of the construction material shall be at adequate distance from the water resource in the site to prevent any chances of contamination of water as well as to facilitate proper / efficient construction work. Wherever required impervious lining shall be provided to site/location of identified activities.
- Runoff from the construction work shall not be unmanaged or haphazard to prevent entry of contaminant arising from construction work/site. Runoff water shall be managed properly and must be collected and treated before release if serious contamination is observed.

- Spillage or leakage of construction material can lead to groundwater contamination and hence care shall be taken to minimise the chances of the Spillage or leakage of construction material.
- Construction materials like Ready Mix Concrete shall be used to prevent impacts on water environment.

Air Environment

- Wherever & whenever required water shall be sprinkled on ground or material to avoid dusty condition of the environment
- Emission from the equipments/machineries shall be monitored on regular basis. Equipments / machineries shall be kept off when not required and kept in idle state.
- Transport vehicles shall be monitored & maintain regularly to control the emission quality
- Construction materials would be stored in covered stores or enclosed spaces to prevent chance of airborne construction materials which can lead to air pollution of local area.
- Regular inspection of haul roads and construction site should be carried out to ensure regular and timely removal of construction debris to the dumping sites or for recycle/reuse.
- It would be ensured that all the vehicles plying during construction are properly tuned and maintained to keep emissions within the permissible limits
- All necessary equipments/machineries shall be in good condition for proper operation and minimal exhaust/emission.
- Provision of necessary PPEs like face mask & eye-glasses are provided to employees /labours engaged in construction activities.

Noise Generation

- Operation of machineries/equipment causing high noise level shall not be operated during the night time and all such operations shall be planned for day time only.
- During night time transportation activities shall not be conducted to avoid high noise level in nearby villages/locality. Only in case of emergency the transportation activities shall be allowed in night time.
- The vehicles engaged in construction activities & transportation of materials shall be equipped with the horn of low noise level as recommended by RTO/concern authority to avoid impacts on noise level. Further, adequate silencers must be attached with all vehicles to reduce the noise.
- It would be ensured that the equipment used during construction is properly maintained to keep noise emissions within the permissible limits as suggested by CPCB/PCC.
- Construction vehicles, equipments & machinery should be in good working condition and idle vehicles, equipments & machineries are turned off when not in use.
- Proponent shall ensure that the labours engaged in construction site of high noise area are provided with necessary PPEs.

Biological Environment

- Adjacent forest area shall not be disturbed in any case by any activity or person engaged in construction activity

- On regular basis monitoring shall be done to avoid hazards to natural habitats. So that no risk of considerable destruction or bio-magnification of contamination can occur due to the contamination of the habitats
- The proponent shall prepare a plan for plantation within & near the site and in the suitable areas in and around the project site. The proponent shall star the plantation with the construction activity.
- Forest protection plan shall be formulated and implemented in the very inception of the construction activity.

Social Environment

- All activities shall be regulated by adequate safety codes and all employees shall be provided with adequate safety equipment
- Employees/contractors/ person associated with construction activities shall be provided proper training before starting their works. Training must be given for the operational method, problem solving and safety.
- During the construction phase proper traffic management shall be done to avoid problems due to the construction activities
- Proper traffic schedule shall be prepared and made available to all transport officers with adequate guidelines for the traffic management and easy movement on approach road to national & state high ways.
- Employment for the construction work shall be conducted with priority to local villager.

Miscellaneous Measures

- All activities must be conducted as per the guidelines and methodology / procedure provided by the project authority
- All activities shall be done with the restricted area confined by the project authority.
- In addition to the above, environment management cell shall be formulated and the cell shall update the mitigation measure depending on the details identified in EIA Study (Chapter-4) as well as defined in environmental management record during the construction phase by the official appointed at site.

3.2 MITIGATION FOR OPERATION PHASE

Construction phase is followed by operation phase in which unit ready for operation of the proposed industrial activities is about to begin. Till now, only the impacts to be caused to the area while posing construction activities was studied and analysed which have envisaged to be negligible even in absence of any major mitigation measures. Contrary, once the operation phase gets started it can eventually cause innumerable adverse impacts on the environment which could be severe. EMP formulation shall be done keeping in mind such adverse impacts and accordingly mitigation methods shall be designed in order to nullify such impacts. Information like operational actions of the habitants, nature of the substances (raw materials & products) or components, nature of emission, geological and ecological feature along with other allied feature shall be systematically collected and analysed. Further, the production process, utility operations, equipment/machineries/technologies used in operations, maintenance works, technical & administrative work, etc. shall also be given due

consideration. Following through this down mention impacts in general can be caused in operational and administrative phase:-

- Affect on environment due to waste water discharge.
- Emissions from the utilities (Boiler & DG sets) causing deterioration in air quality.
- Unmanaged solid & hazardous waste storage, handling & disposal can lead to significant adverse impacts on all attributes of environment.
- Soil contamination due to mixing of chemicals up on spill or leak during storage, handling & transport.
- Negative effects on land due to due to dumping of garbage & disposal of untreated sewage from the domestic activities of employees
- Damage to forest area due to impacts on other environmental attributes of operations.
- Noise generation from utilities and other moving machineries/equipments as well as operational & maintenance area can lead to adverse effects on occupational health.
- transport vehicles would have considerable impacts on noise level of the villages falling under transport route
- the impacts on the human health & ecology are also associated with some workplace accident, hazards and risk
- Socio-economic aspect shall be benefited due to increase in employment & other opportunities for improvement of local economy.

Issues related with all the major and significant impacts of operational phase shall be combated by appropriate tools and methods suggested in the EMP. The impacts even though seems to be magnificent and colossal but implementation of proper and suitable and planned operational procedures and maintenance activities can reduce it to magnificent and maximum possible extent. However, if neglected or diverted can prove quiet hazardous to overall environment. Proper suggestive measures for operation activities should be implied and implemented followed by adequate and suitable measures for proper treatment of waste deposits. Besides, provisions should be made for regulated and mannered working to ensure effective and efficient operation of work with highest possible level of occupational safety. Keeping all these in mind following mitigation measures shall be taken into consideration so that the effects are brought down to maximum possible extent:-

Water Environment

The total domestic wastewater generated after proposed project will be 14 KL/D. The same will be sent to septic tank/ soak pit system. Wastewater generated from industrial activities @ 60 KL/D will be treated in ETP and the treated wastewater will be diverted to the Cooling tower. Cooling tower blow down after necessary treatment will be utilized for in-house gardening purpose.

- Raw Effluent Transfer Line shall be laid down from particular area to ETP and proponent shall ensure leak proof pipeline for the purpose at any time.
- The raw effluents from operation/process shall be treated in adequately designed ETP for efficient treatment to meet the prescribed norms by PCC, Daman or CPCB.
- The effluent shall not be disposed off in any condition and the unit will be Zero Discharge unit. The recycling & reuse shall be practiced on regular basis to reduce the quantity of freshwater intake.

- The treated wastewater after confirming the prescribed norms will be partially recycled for cooling water makeup and remaining will used for irrigation of garden & greenbelt area.
- To conserve the water, wastage of water shall be prevented by adequate water management practices as well as regular maintenance of pipelines & tanks etc. to prevent leak & spill. In addition to this, rain water harvesting program shall also be implemented for conservation of water.
- Proponent shall attempt to reduce the losses in cooling & steam heating to reduce the fresh water intake/consumption rate by proper inspection, R&D and implementation of necessary adequate management practices.
- The proponent has provided an adequate ETP which can cater the total load of effluent after proposed project. The details of the ETP is described below:
    - The company has an existing Effluent Treatment Plant of 45 KLD capacity and consisting of Primary, Secondary & Tertiary units along with additional units like Softener and Soft Water Tank wherein the waste water from washing after required treatment is re-used back into dyeing section and boiler & cooling tower blow down is utilized for in-house after necessary treatment.
    - As far as proposed expansion project is concerned, there will be waste water generation (15 KLD) from boiler & cooling tower blow down which will be treated in proposed Effluent Treatment Plant (15 KLD) and utilized for in-house gardening purpose.
    - The schematic drawing & allied details of the ETP are shown in earlier chapter -2.

Air Environment

The emissions after the proposed units will remain same as that of present as there will not be any requirement of additional utilities for operation of proposed expansion project. The existing emissions are mainly from operation of 2 Nos. of Steam Boilers of 2 MT/Hr each and 2 Nos. of D.G. Sets of 625 & 380 KVA which are part of existing utilities. D.G. Sets act as standby units and are only utilized in case of power failure for heating purpose and domestic lightning.

In furtherance of these, there will be no other fuel consuming utilities installed for the proposed expansion project. Even, there are no process gas emissions from the existing plant as well as proposed expansion activity. The Boilers & DG sets are existing facilities and the company has provided stack of adequate height & diameter to deal with issue of air pollution. The company has also provided Bag Filters for Boiler to control the particulate emissions. Hence no additional mitigation measures would be required for management of emission of these two facilities.

However, implementation of following mitigation measures is suggested to prevent air pollution due to emissions:

- Regular maintenance & un-interrupted operation of Air pollution control devices
- Stacks of adequate height & internal diameter at top shall be provided for emission management. It has been noticed that the adequate stacks are provided for existing Boilers & DG sets. The details of stacks are as illustrated in earlier chapter-2.
- All Stacks shall be provided with sampling ports for monitoring of emission.
- Monitoring of emission from the stacks as per Environmental Monitoring Plan and records shall be maintain for further review & improvement in EMP as well as Air Pollution Control Activities/Technologies and the records of monitoring shall be maintained.

- Proponent shall take timely action for necessary maintenance to ensure adequate & efficient operations as well as good condition of the APC Devices & stacks.
- Proponent shall follow necessary provisions/guidelines related to APC & stack installation.
- Emission level shall be maintained below permissible limits prescribed by concern environmental authority.
- Greenbelt development program shall be monitored to maintain healthy & adequate vegetation in the premise as per CPCB norms. Greenbelt at time shall be minimum 33% of total land of the proposed project.
- Regular Monitoring & Analysis of Emission, Ambient Air for Safety & Environment Management to prevent air contamination/pollution & hazards due to air contamination.
- Ambient Air Quality Monitoring shall be done at least at three locations in premises and preferred angle between the locations shall be 120 degree. The monitoring shall be done at least quarterly.
- The record of the monitoring programs & measured quality shall be maintained regularly.
- Regular maintenance & un-interrupted power supply shall be ensured for continuous operation of Air Pollution Control Devices.
- Annual Environmental Audit shall be conducted as per PPC guidelines and the measures/action suggested in the audit report for prevention pollution shall be strictly implemented to comply with applicable environmental norms.
- Work place monitoring for SPM, RSPM level in the ambient air shall be scheduled for regular monitoring to eliminate any case of effects on occupation health of workers/personnel.
- Proper Storage area shall be designated for raw material, intermediate product & final product to prevent any kind of fugitive emission from storage area.
- Adequate method & facilities for handling of raw material & products shall be developed & implemented to prevent contamination of air due to the toxic chemicals

Land Environment & Solid/Hazardous Waste Management

- All area of chemical storage as well as production plant shall be lined properly to ensure impervious lining to prevent seepage of chemical in soil.
- Emergency Response protocol shall be prepared for all chemical material & shall be available at all places having potential of chemical spill/leakage.
- Immediately upon first reporting of incident of spill/leak of chemical material Emergency actions shall be taken by responsible personnel as per guidelines provided in specific Emergency Response Protocol for spilled/leaked chemical.
- Designated Hazardous waste area shall be provided within the premises as per MoEF/CPCB guidelines.
- Hazardous / Solid waste generation shall be within the limit are discussed in earlier chapter-2 along with the mode of disposal/management. The method of disposal / management shall be followed strictly in accordance with the guidelines of MoEF/CPCB.
- Greenbelt in shall be developed in at least 33% are of total land of proponent at any time of operation of production unit.
- The Proponent shall maintain necessary records & documents of Hazardous waste management/disposal as per MoEF/CPCB guidelines.

Ecological Environment

- Proper infrastructure shall be provided to the existing road network In order to protect the forest area of nearby area.
- Awareness programme for the development and protection of forest & wild life would be conducted.
- Plantation activity in the project area as well as nearby Govt. forest land shall be done with support of concern govt. officers/department and nearby habitants thus encouraging the improvement & growth of forest area.
- As it has been noticed, the proposed project is to be set up in a Govt. Industrial Zone and there is no threat to ecological environment due to operation activities, specific mitigation measures and EMP is not required for ecological protection.

Noise Generation

- Vibrating equipments/machineries shall be provided with rubber padded foundations.
- Acoustic enclosure shall be provided to high noise generating equipment/machineries/utilities or such facilities shall be housed in closed room to prevent noise propagation in surrounding area.
- Proper maintenance & lubrication of the plant machineries & equipments shall be done regularly to reduce the level of noise generation.
- Management shall provided necessary PPEs to eliminate the impacts of noise in workplace.
- Regular noise monitoring shall be done in area of noise to track noise change above 10 dB(A) for timely action for noise reduction.
- The noise level in the plant area shall confirm to the norms prescribed by PCC/CPCB/MoEF as well as indicated in GOI Rules.
- Shift planning shall be done with respect to the exposure level of noise at various plant areas following guidelines of Factory Act and/or NIOSH.
- Transport vehicles shall be set in operation only at time convenient with the residents equipped with low noise engine
- Vehicles with low horn noise shall be used equipped with silencers

3.3 GREENBELT DEVELOPMENT

Greenbelt Development is being done under the supervision of experienced personnel and guidance of local experts. Planting operations are followed up with adequate post plantation care, which includes replacement of casualties, weeding, soil working, manuring, watering, protection from grazing etc. The company has developed greenbelt in about 3748 sq. mt of its 14000 sq. mt total existing land. Further, the proponent has planned to develop additional greenbelt in 8500 sq. mt. land of its proposed total land of 32300 sq. mt. In furtherance to these land areas, proponent has also planned to keep 10159 sq. mt of land as open reserved area for future use out of which about 3000 sq. mt. land will be used to develop garden as additional greenbelt. Thus the total greenbelt area will be around 35% of total plot area of the proponent. The Proponent has grown healthy vegetation including numbers of varieties of shrubs (garden varieties) & trees. The list of major tree species which have been &/or will be successfully grown within site are given in following table.

Species scientific name	Local name
Acacia Auriculiformis	Baval
Azadirachta indica	Neem
Casuarina equisetifolia	Saroo
Eucalyptus Sp.	Nilgiri
Cassia fistula	Amaltas
Delonix regia	Gulmohar
Ficus bengalensis	Bargad
Species scientific name	Local name
Syzygium cuminii	Jamun
Phyllanthus sp.	Amla
Albizzia lebbek	Siris/Sirash
Bambusa arundinacea	Bamboo
Cassia siamea	Kashod
Dalbergia sisoo	Shisham
Ficus religiosa	Pipal
Terminalia catapa	Badam

The afforested /Greenbelt areas have to be protected from cattle menace, human interference, soil erosion, plant diseases, etc. Adequate storm water drains shall be constructed wherever required to control and regulate the water flow to prevent soil erosion and washing away of nutrients. Plants will be protected from diseases by the application of proper pesticides. Soil workings, manuring etc. will be done whenever necessary. Plants will be protected from cattle menace and human interference by providing fencing and proper watch and ward.

3.4 RAINWATER HARVESTING

The rainwater harvesting program will be conducted by providing water collection system from roof as well as paved area of plant. For the purpose gutter for collection of rainwater during the monsoon will be installed & the collected water will be used to meet the water requirement industry. The detail rainwater harvesting scheme will be prepared by consultation with professional to determine the potential of rainwater collection, necessary arrangements & designs as well as to determine the potential alternative uses. The rainwater harvesting scheme will then be implemented and the management shall ensure adequate operations for rainwater harvesting. The company has initiated preliminary study for planning & execution of RHW activities. The findings of the study are described below.

- Total Available Roof Area, Mt^2= 2000
- Annual Rainfall=900 cm. (0.9 Mt)
- Annual Roof Top Rainwater Collection @80% efficiency =2000 X 0.9 = 1800KL
- Average Daily Rainfall=1.5 cm (0.015 mt.)
- Average Daily Rainwater Collection= 30 KL
- Maximum Daily Rainfall Potential =5 cm. (0.05 mt.)
- Maximum Daily Rainwater Collection=100 KL

3.5 SOCIOECONOMIC DEVELOPMENT & CSR

The overall impact of proposed project on the socioeconomics of the area has been neutral. The indirect income sources generated by the project as well as creation of comparatively well paid jobs in future may have some positive impacts on socioeconomic condition of the area. The unit has also shown benefits to local area by trade in the supply of spares, in engineering jobs on contract, as well as other allied works. However, it is suggested to implement or continue measures/actions for socioeconomic development of the area. The unit is conducting many programs & activities for socioeconomic development as a part of its CSR Program. In furtherance to the efforts made by the company in social & economic development of the area, following actions & measures for socioeconomic development are suggested.

Employment

The management of the company is employing persons upon requirement arise due to vacant positions and preference is given to the local population for recruitment. Similar strategies for recruitment shall be continued after the proposed project.

Communication & Transport

Communication facilities such as approach roads, telephone, post offices and amenities like schools, hospitals, market centers etc. are already available in the project area. However, proponent will assist in development of such public facilities as well as will share its communication & transportation facilities upon requirement especially during the disaster incidents/emergency period.

Health & Education

Activities for improvement in education & health status of the local society as well as other surrounding areas shall be conducted by the proponent. The proponent has shown its keen interest in such activities, and proponent is regularly conducting such activities to contribute in the improvement of education & health status in the project area. Proponent will continue its efforts in this regard by organizing camps, awareness programs, financial assistance etc.

3.6 OCCUPATIONAL HEALTH

The company is concerned about the occupational health and safety among its work force as the man power is the biggest asset to the industry. The potential hazards and major risks associated with the plant will be identified using Hazard & Operability Study (HAZOP). The Off-site Emergency Plan is available with the Collectorate Office, Silvassa. As an existing company, we have implemented the following safety measures for the employees.

- Safety Training is provided to the employees.
- Manual call bells in case of emergency are provided.
- Emergency Control Room with emergency sirens is established.
- Assembly point is provided.
- Fire Hydrant System is installed.
- Fire Extinguishers are provided.
- Mock drills are periodically conducted and factors like response time are evaluated.
- Fire squad team is formed for handling any emergency situation & regular training of squad team is conducted.
- First Aid Facility and training are provided.
- Personal protective gears and equipments are provided to employees.

- Health checkup are organized at regular intervals.
- Safety / Health records and MSDS are maintained.

3.7 ENERGY CONSERVATION

The company is committed to continual improvement in its energy conservation programs. It has successfully implemented many actions to realise efficient energy conservation in its existing unit. Additionally, the following energy conservation plans are suggested for the unit:

- Proponent shall manage efficiently the utilization of energy resources, upgrade operational practice and employ more energy efficient technologies.
- Proponent shall train and educate employees in areas of energy conservation.
- Proponent shall carry regular internal and external audits to identify areas for improvement and benchmark continuously performance against the best.
- Proponent shall share and enrich experience on energy conservation with other units and own group companies.
- Proponent shall promote awareness among all employees as well as other units & its group of industries.

The proponent shall be fully committed towards energy conservation and shall have Energy Conservation cell headed by senior engineer / personnel of electric department. The duties of the Energy Conservation Cell shall be as following:

- Periodic monitoring of unit/plant/department wise energy consumption.
- Planning of corrective actions for deviations.
- Carry out internal energy audits & field study on need basis.
- Preparing annual energy activity plan
- Benchmarking for energy performance.
- Arrange training program for energy efficiency.

3.8 ENVIRONMENT MANAGEMENT CELL

The proponent has formulated the environmental & safety management cell as an integrated managerial body for monitoring environmental & safety activities. The cell shall be formulated as integrated body to meet the various / different requirement of Management systems for ISO 9001:2000, ISO 14001 etc.

The cell & all members are assigned with various person specific duties & authority to ensure good environmental quality, safe work condition and effective implementation of environmental management plan & safety protocols/procedures. The cell is also responsible for emergency & disaster management activities. Same cell will take care of Environmental & Safety Management activities after proposed project. The detail of the cell is depicted in the following organogram of Environmental & safety Management cell.

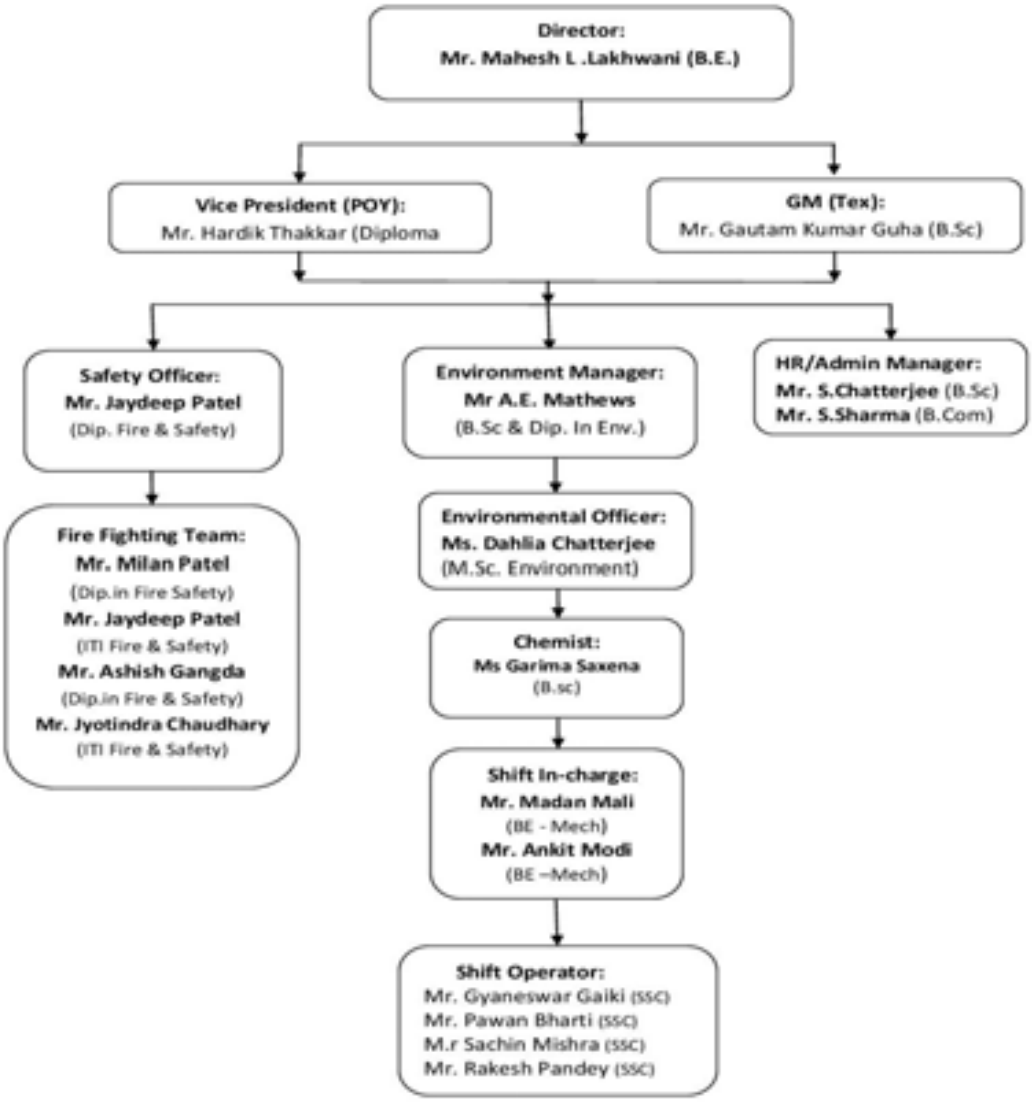
3.9 BUDGETORY COST OF ENVIRONMENTAL PROTECTION MEASURES

Land, Building, Plant & Machinery, Pipeline & Fittings, Electrical Installation, Safety systems, etc. are the major heads considered in the Capital Cost Projection for the proposed expansion project. Environment Protection is also been considered in planning the Cost Projection, which

will include ETP, Green belt development, monitoring measures, etc. The project cost for proposed expansion is Rs. 103.4 Crores.

Sr. No.	Purpose	Total Cost (Rs. In Lacs.)
1.	Land Development	250.00
2.	Factory Building	600.00
3.	Plant & Machinery	8400.00
4.	Effluent Treatment Plant	20.00
5.	Green Belt Development	1.50
6.	Miscellaneous Fixed Assets	30.00
7.	Preliminary and Preoperative Expenses	250.00
8.	Contingency	247.00
9.	Margin Money for Working Capital	544.00
	TOTAL :	**10342.5**

Figure 1.1: Environment & Safety Management Cell



Annexure - III

Financial Details

Sr. No.	Purpose	Total Cost (Rs. In Lacs.)
1.	Land Development	250.00
2.	Factory Building	600.00
3.	Plant & Machinery	8400.00
4.	Effluent Treatment Plant	20.00
5.	Green Belt Development	1.50
6.	Miscellaneous Fixed Assets	30.00
7.	Preliminary and Preoperative Expenses	250.00
8.	Contingency	247.00
9.	Margin Money for Working Capital	544.00
	TOTAL :	**10342.5**