



o/c

BEIL INFRASTRUCTURE LIMITED
(formerly known as Bharuch Enviro Infrastructure Limited)
Unit - Dahej

Ref.: BEIL/DHJ/MoEF/2019

Date: 20.04.2020
PCB ID # 40137

To,
The Director
Ministry of Environment, Forest & Climate Change
Western Region Office,
Kendriya Paryavaran Bhavan,
Link Road No.3, E-5 Ravishankar Nagar
Bhopal-462016

Sub.: Compliance Status of Environmental clearance for setting up of common hazardous waste Treatment, Storage, Disposal facility (TSDF) and Multi Effect Evaporator (MEE) plant at BEIL, Dahej for period Apr'19 to Sep'19.

Ref.: Environmental Clearance No. SEIAA/GUJ/EC/7(d)/227/2013 dated 22nd July, 2013.

Dear Sir,

BEIL is operating a TSDF facility consisting of a secured land fill Facility and Multi Effect Evaporator (MEE) followed by spray dryer located at Plot No. D-43, Dahej Industrial Estate, Tal. Vagra, Dist. Bharuch, Gujarat.

We are submitting here with the half yearly Compliance status report for period April 2019 to September 2019 of Environmental clearance for setting up of common hazardous waste Treatment, Storage, Disposal facility (TSDF) and Multi Effect Evaporator (MEE) vide letter No. SEIAA/GUJ/EC/7(d)/227/2013 dated 22nd July, 2013.

BEIL has received and disposed land fillable Hazardous waste: During 1st April 2019 to 30th September 2019: 56098.247 MT.

Cumulative quantity disposed in landfill from the beginning (up to 30.09.2019): 303148.521 MT

We are regularly submitting the Annexure-IV of protocol for performance Evaluation and Monitoring reports of our TSDF to Gujarat Pollution Control Board, Regional office Bharuch & HO Gandhinagar, Central Pollution Control Board, New Delhi and Ministry of Environment & Forests and Climate Change, New Delhi. Copies of covering letters of last quarterly protocols are attached here with as a confirmation.

15/5/20
Post Received
Gujarat Pollution Control Board
BHARUCH

CIN NO: U45300GJ1997PLC032696

Works Office: Plot No. D-43, Dahej Amroc Road, GIDC Estate, Dahej, T. Vagra - 392 130, Dist. Bharuch (Gujarat)
Phone: (02641) 291128, E-mail: mistryrg@beil.co.in
Regd. Office: Plot No. 9701-16, GIDC Estate, Post Box No. 62, Ankleshwar 393 002, Dist. Bharuch (Gujarat)
Phones (02646) 253135, 225228 Fax: (02642) 222849 E-mail: delwadibo@beil.co.in



We hope that the above is in order. In case you need any additional information, we can provide the same on hearing from you.

Thanking you,

Yours faithfully,
For. BEIL Infrastructure Limited

Authorized Signatory

- Encl: As above
CC: Gujarat Pollution Control Board,
Bharuch

CC: Central Pollution Control Board,
Vadodera

Compliance Status of Environmental clearance for setting up of a common hazardous waste treatment, storage, disposal facility (TSDF) and Multi Effect Evaporation (MEE) plant at Plot No. D-43, Dahej Industrial Estate, Tal. Vagra, Dist. Bharuch by M/s BEIL Infrastructure Limited for Period Apr' 19 to Sep'19.

EC File No.: SEIAA/GUJ/EC/7(d)/ 227/2013 dated 22nd July 2013

Sr. No	EC Conditions Details	Status
1.	The proposal is for Environmental Clearance for M/s, Bharuch Enviro Infrastructure Limited (BEIL) for setting up of a common hazardous waste Treatment, Storage, Disposal Facility (TSDF) and Multiple Effect Evaporation (MEE) Plant at Plot No. D-43, Dahej Industrial Estate, Tal. Vagra, Dist. Bharuch. M/s, Bharuch Enviro Infrastructure Ltd. (BEIL) proposes to set up TSDF (14 Lac MT) and MEE Plant (3*200KL/day) at Plot No. D-43, Dahej Industrial Estate, Dist. Bharuch. The proposal falls under project / activity no. 7(d) in the Schedule of the EIA Notification, 2006.	Complied We have started landfill activity from 29.04.2015. The solid waste receipt is streamlined for cell-1 (Capacity-1,28,000 MT), cell - 2 & 5 (Capacity - 2, 39, 640 MT, In operation). Total 303148.521 MT of Landfillable Hazardous waste is received and disposed till September 2019. MEE Plant of Capacity 200 KLD has been installed and commissioned in May, 2017. We have received CCA-Amendment No: - AWH-89413 dated 16.12.17. Forwarding letter and acknowledgement copy of the same is attached for your reference as ANNEXURE 19.
2	The proposed project falls under category 7(d) of the schedule of the EIA Notification, 2006. As the proposed project is situated in the industrial area which is not notified, it falls in Category B as per the schedule of the EIA Notification-2006.	Noted
3	The project activity is covered in 7(d) and is of 'B' Category, Since, the proposed project is located in the industrial area which is not notified, public consultation is required as per paragraph 7(i) (III) (i) (b) of the Environment Impact Assessment Notification-2006. Public hearing of the project was conducted by the GPCB on 05/04/2013 at 11:30 Hrs. At P.J. Chheda Janta Vidyalay, Dahej, Tal. Vagra, Dist. Bharuch	Noted
4	The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance to this project for the above	Noted

	<p>mentioned project. The proposal was considered by SEIAA, Gujarat in its meeting held on 22/07/2013 at Gandhinagar. Since the public consultation is required for the project, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2008 subject to the compliance of the following conditions.</p>	
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SPECIFIC CONDITIONS:

Sr. No.	Description	Status
1.	<p>Ground water table at the project site shall be ascertained through the GWRDC before initiating construction of secured landfill site. The depth of the secured land fill site shall be decided based on the ground water level at the site and bottom of the secured landfill site shall be kept at least 2 m above the ground water table.</p>	<p>Complied.</p> <p>Ground water table at the project site has been ascertained through the GWRDC before initiating construction of secured landfill site. The depth of the secured land fill site has been decided based on the ground water level at the site and bottom of the secured landfill site, which is 7.5 (> 2 m) meter above the ground water table.</p> <p>Report of GWRDC is attached as ANNEXURE 1.</p>
2	<p>Construction of the secured landfill site shall be undertaken meticulously keeping in view the existing natural drainage pattern of the site to ensure that the natural drainage is not affected. All construction designs/drawings relating to the proposed landfill site must have approvals of reputed institutes like NPC/IIT</p>	<p>Complied.</p> <p>Construction of the secured landfill site has been undertaken meticulously keeping in view the existing natural drainage pattern of the site ensuring that the natural drainage is not affected. All Construction design/ drawings relating to the proposed landfill site are approved from IIT, Delhi. IIT certificate for cell 1, 2 and 5 are attached as ANNEXURE 2.</p>
3	<p>The proponent shall ensure that design and construction of secured landfill site is as per the guidelines of CPCB with proper leachate collection arrangement.</p>	<p>Complied.</p> <p>We have ensured that design and construction of secured landfill site is as per guidelines of CPCB with proper leachate collection arrangement. Summary of the CPCB guidelines compliance has attached as ANNEXURE 3.</p>
4	<p>The proponent shall ensure that the transportation of the Hazardous wastes to the TSDF conforms to the</p>	<p>Complied.</p> <p>We have ensured that the transportation of the</p>

	norms laid down in the Hazardous Wastes (Management, Handling, and Transboundary Movement) Rules 2008	hazardous wastes to the TSDF confirms to the norms laid down in the hazardous and other waste (Management and Trans boundary Movement) rules 2016 and its subsequent amendments i.e. licensed and trained drivers, close and hydraulic dumpers, GPS enabled dumpers etc. Total Approved 218 dedicated vehicles equipped with GPS system are being used for Transportation of Hazardous waste from member Industries to TSDF.
5	Project proponent shall ensure that wastes with organic content >5% of degradable organic matters are not disposed in to the landfill. However required arrangement for collection, treatment and disposal of gases from the secured landfill if any shall be provided.	Complied. We are carrying out finger-print analysis of every truck load of waste received at site. We ensure that organic content >5% of degradable organic matters are not disposed into landfill. Comprehensive analysis is being carried out at the time of enrolling members. If organic content is high, the waste is sent for incineration at BEIL Ankleshwar site. Only inorganic waste or waste meeting acceptance criteria, is sent to landfill. Waste having organic content not suitable for landfill as well as incinerator is send back to respective industry and again accepted only if it follows the acceptance criteria. Required arrangements for collection, treatment and disposal of gases from the landfill is provided. We are monitoring all vents on regular basis. Typical reports of finger-print analysis of solid waste are attached as ANNEXURE 4.
6	The TSDF & MEE shall only handle the waste generated from the member units.	Complied. The waste generated from members of BEIL is only accepted who have valid CC&A obtained from GPCB. At present we are having 727 members for Landfill at BEIL. In support of this we are submitting returns to GPCB. Copy of the last submitted protocol is attached as ANNEXURE 5.
7	The project Proponent shall set up necessary facility for onsite testing of wastes to decide the requirement of treatment if any before disposal.	Complied. We have set up a Laboratory with all the required facilities for onsite testing of wastes to decide the requirement of treatment (Stabilization/

		Neutralization) if any before disposal.																																										
8	Project Proponent shall carryout periodical ground water/soil monitoring to and around the site to check the contamination including TCLP test for heavy metals	<p>Complied.</p> <p>Company is carrying out internally and externally regular monitoring of Ground water (twice in a month – Internally and quarterly by External party) & soil (annually by External Party) including TCLP test. All the parameters are well within the limit. The monitoring results are attached as ANNEXURE 6.</p> <p>Summary Table: Ground Water (Apr'19 to Sep'19) (External)</p> <table border="1" data-bbox="783 913 1465 1352"> <thead> <tr> <th>Sr. No.</th> <th>Parameter</th> <th>Min.</th> <th>Max.</th> <th>Avg.</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>pH</td> <td>7.43</td> <td>8.08</td> <td>7.90</td> <td>-</td> </tr> <tr> <td>2</td> <td>Conductivity</td> <td>0.716</td> <td>2.14</td> <td>1.36</td> <td>mmhos/cm</td> </tr> <tr> <td>3</td> <td>Turbidity</td> <td>0.02</td> <td>4.31</td> <td>2.47</td> <td>NTU</td> </tr> <tr> <td>4</td> <td>TSS</td> <td>5</td> <td>23</td> <td>16</td> <td>mg/lit</td> </tr> <tr> <td>5</td> <td>TDS</td> <td>483</td> <td>1374</td> <td>877.17</td> <td>mg/lit</td> </tr> <tr> <td>6</td> <td>TOC</td> <td>BDL</td> <td>3</td> <td>2.5</td> <td>mg/lit</td> </tr> </tbody> </table> <p>The monitoring results are attached as</p>	Sr. No.	Parameter	Min.	Max.	Avg.	Unit	1	pH	7.43	8.08	7.90	-	2	Conductivity	0.716	2.14	1.36	mmhos/cm	3	Turbidity	0.02	4.31	2.47	NTU	4	TSS	5	23	16	mg/lit	5	TDS	483	1374	877.17	mg/lit	6	TOC	BDL	3	2.5	mg/lit
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9	<p>The thirds party assessment on functioning of the TSDF and MEE shall be carried out through a reputed institute like NPC/IIT or any academic / research institute of similar repute once in a year and mitigation measures as may be suggested by such institute shall be implemented in consultation with the Gujarat Pollution Control Board</p>	<p>Complied.</p> <p>We have constructed Cell#1, Cell# 2 & Cell# 5 under IIT, Delhi guidance. Expert team from the IIT, Delhi has visited the site during the construction phase for third party assessment, report of the Inspection has submitted to GPCB, copy of the same is enclosed as ANNEXURE 2. IIT certificates for the cell 1, 2 and 5 are attached as ANNEXURE 2.</p>																														
A.1	Water:																															
10	<p>Fresh water requirement shall not exceed 350 KL/day and it shall be met only through water supply from the GIDC Metering of water shall be done and its records shall be maintained. No ground water shall be tapped for the project requirements in any case.</p>	<p>Complied.</p> <p>Fresh water requirement is not exceeding 350 KLD and it is met through water supply from GIDC, records are maintained. No ground water is being tapped for the project requirement in any case.</p> <p>During Apr'19 to Sep'19, Average water consumption is @ 62.23 KLD. Summary of the same as below.</p>																														

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	Average	1904	62.23																															
11	<p>A leachate collection system shall be provided to collect the leachates at a collection point. Leachate shall be pumped from leachate wells and shall be treated in in-house MEE. However in the initial two – three year the leachate shall be sent to BEIL Ankleshwar for treatment with MEE</p>	<p>Complied.</p> <p>A leachate collection system is provided to collect the leachates at a collection points.</p> <p>There is planning to construct total 7 no. of leachate collection wells, from which 2 collection wells has been constructed for the cell 1, cell2 and cell5. Leachate is pumped from leachate wells and was sent to MEE at BEIL Ankleshwar unit for initial two – three years, now onwards it is treated in MEE at BEIL, Dahej. Waste water generation is limited to 201 KLD.</p> <p>During Apr'19 to Sep'19, Average Leachate treated in MEE, is @ 5.81 KLD. Summary of the same as below.</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Month</th> <th>Leachate generation (KL/ month)</th> <th>Average (KLD)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Apr'19</td> <td>129</td> <td>4.3</td> </tr> <tr> <td>2</td> <td>May'19</td> <td>140.1</td> <td>4.5</td> </tr> <tr> <td>3</td> <td>Jun'19</td> <td>159</td> <td>5.3</td> </tr> <tr> <td>4</td> <td>Jul'19</td> <td>201.9</td> <td>6.5</td> </tr> <tr> <td>5</td> <td>Aug'19</td> <td>223.2</td> <td>7.2</td> </tr> <tr> <td>6</td> <td>Sep'19</td> <td>213.7</td> <td>7.1</td> </tr> <tr> <td></td> <td>Average</td> <td>177.81</td> <td>5.8</td> </tr> </tbody> </table>	Sr. No	Month	Leachate generation (KL/ month)	Average (KLD)	1	Apr'19	129	4.3	2	May'19	140.1	4.5	3	Jun'19	159	5.3	4	Jul'19	201.9	6.5	5	Aug'19	223.2	7.2	6	Sep'19	213.7	7.1		Average	177.81	5.8
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12	<p>BEIL shall explore the possibilities for reuse of condensate water generated from MEE plant for landfill construction gardening and domestic</p>	<p>Complied.</p> <p>Condensate water generated from MEE plant is being used for washing in drum decontamination</p>																																

	purpose within the BEIL	facility and in Tanker washing facility and if it will achieve the criteria given in NOC for gardening, and then we will use it for gardening purpose also.
13	Domestic waste water and condensate water from the MEE shall be disposed-off as per the norms to be laid down by the GPCB	Complied. Soak pit/septic tank are provided to dispose domestic waste water. Condensate water generated from MEE plant is being used for washing in drum decontamination facility and in Tanker washing facility and if it will achieve the criteria given in NOC for gardening, and then we will use it for gardening purpose also.
14	Enough care shall be taken to prevent any leakages/accidental spillages during conveyance of the effluent from the member units to the MEE	Complied. Enough care is being taken to prevent leakages/accidental spillages during conveyance of the effluent from the member units to the MEE. Transporters are registered to BEIL, dedicated vehicles with GPS enabled system, with trained drivers are transporting the effluent from the member units to the MEE
15	Separate electricity meter shall be provided at the MEE. A Proper operation logbook of the MEE containing records of quantities and qualities of leachate from secured landfill site and effluent received from the member units, energy consumption etc. Shall be maintained and furnished to the GPCB from time to time.	Complied. Separate electricity `meter is provided at the MEE. A proper operation logbook of the MEE containing records of the quantities and qualities of leachate from secured landfill site and effluent received from the member units, energy consumption etc , are being maintained. Same will be submitted to the GPCB via monthly patrak and protocol.
16	Storage Tank of adequate capacity shall be provided to hold effluent for at least 48 hours in the case of either maintenance of the MEE or disturbances in MEE operations.	Complied. We have ensured that storage tank of adequate capacity to hold effluent for at least 48 hours in the case of either maintenance of the MEE or disturbances in MEE operations. We have constructed storage tank for the same purpose of the capacity 450 KL.
17	In case of power failure standby DG set/s having power generation capacity equivalent to the requirement	Complied. According to our requirement at present we have

	of power to run the MEE shall be installed, so that the MEE can be operated even in case of power failure	installed DG set of capacity 600 KVA in case of power failure.																								
A.2	AIR:																									
18	Natural gas to the tune of 440 Nm ³ /day shall be used as a fuel in Boiler(5 T/Hr) and a stack of 30 m height shall be provided to Boiler	Complied. A stack of 35 m height is provided to Boiler (6 T/Hr.)																								
19	HSD to the tune of 3KL/Month shall be used as a fuel in D.G. Set [600 KVA] and a stack of 9.3m height shall be provided to D.G. Set	Complied. HSD to the tune of 3 KL/Month is being used as a fuel in DG Set (600 KVA) and a stack of 9.3 m height is provided to the DG set.																								
20	The Flue gas emission from Boiler and D.G. Set shall conform to the standards prescribed by GPCB. At no time emission levels shall go beyond the stipulated standards	Complied. We are monitoring DG set on monthly basis. The flue gas emission from DG set confirms to the standards prescribed by GPCB. At no time emission levels are going beyond the stipulated standards. We are following the same for Boiler stack. Reports are attached as ANNEXURE 7 . Summary Table: DG Stack Analysis (Apr'19 to Sep'19)																								
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2	Sox (ppm)	5.92	21.26	11.32	100																					
3	Nox (ppm)	3.15	8.24	6.14	50																					
21	Project proponent shall carryout periodical air quality monitoring in and around the site including VOC, HC. Locations of ambient air quality monitoring stations shall be fixed in consultation with the GPCB	Complied. We are carrying out quarterly air quality monitoring in and around the site including VOC, HC. Location of ambient air quality monitoring stations (2 monitoring stations) are being fixed according to the GPCB guidelines. Reports are attached ANNEXURE 8. (Summary) Table: Ambient Air (Apr'19 to Sep'19)																								

		<table border="1"> <thead> <tr> <th data-bbox="778 297 855 421">Sr. No</th> <th data-bbox="855 297 995 421">Parameter</th> <th data-bbox="995 297 1102 421">Min.</th> <th data-bbox="1102 297 1217 421">Max.</th> <th data-bbox="1217 297 1332 421">Avg.</th> <th data-bbox="1332 297 1458 421">Permissible Limit</th> </tr> </thead> <tbody> <tr> <td data-bbox="778 421 855 510">1.</td> <td data-bbox="855 421 995 510">SO₂ (µg/m³)</td> <td data-bbox="995 421 1102 510">18.3</td> <td data-bbox="1102 421 1217 510">20.36</td> <td data-bbox="1217 421 1332 510">19.33</td> <td data-bbox="1332 421 1458 510">80</td> </tr> <tr> <td data-bbox="778 510 855 600">2.</td> <td data-bbox="855 510 995 600">NO_x (µg/m³)</td> <td data-bbox="995 510 1102 600">26.3</td> <td data-bbox="1102 510 1217 600">30.42</td> <td data-bbox="1217 510 1332 600">28.36</td> <td data-bbox="1332 510 1458 600">80</td> </tr> <tr> <td data-bbox="778 600 855 689">3.</td> <td data-bbox="855 600 995 689">HCl (µg/m³)</td> <td data-bbox="995 600 1102 689">ND</td> <td data-bbox="1102 600 1217 689">6.79</td> <td data-bbox="1217 600 1332 689">3.40</td> <td data-bbox="1332 600 1458 689">200</td> </tr> <tr> <td data-bbox="778 689 855 779">4.</td> <td data-bbox="855 689 995 779">H₂S (µg/m³)</td> <td data-bbox="995 689 1102 779">BDL</td> <td data-bbox="1102 689 1217 779">BDL</td> <td data-bbox="1217 689 1332 779">BDL</td> <td data-bbox="1332 689 1458 779">500</td> </tr> <tr> <td data-bbox="778 779 855 869">5.</td> <td data-bbox="855 779 995 869">CO (mg/m³)</td> <td data-bbox="995 779 1102 869">0.64</td> <td data-bbox="1102 779 1217 869">0.78</td> <td data-bbox="1217 779 1332 869">0.71</td> <td data-bbox="1332 779 1458 869">2</td> </tr> <tr> <td data-bbox="778 869 855 958">6.</td> <td data-bbox="855 869 995 958">HC (µg/m³)</td> <td data-bbox="995 869 1102 958">BDL</td> <td data-bbox="1102 869 1217 958">BDL</td> <td data-bbox="1217 869 1332 958">BDL</td> <td data-bbox="1332 869 1458 958">160</td> </tr> <tr> <td data-bbox="778 958 855 1115">7.</td> <td data-bbox="855 958 995 1115">VOC (Benzene) (µg/m³)</td> <td data-bbox="995 958 1102 1115">BDL</td> <td data-bbox="1102 958 1217 1115">BDL</td> <td data-bbox="1217 958 1332 1115">BDL</td> <td data-bbox="1332 958 1458 1115">5</td> </tr> <tr> <td data-bbox="778 1115 855 1205">8.</td> <td data-bbox="855 1115 995 1205">PM_{2.5} (µg/m³)</td> <td data-bbox="995 1115 1102 1205">49.84</td> <td data-bbox="1102 1115 1217 1205">60</td> <td data-bbox="1217 1115 1332 1205">54.92</td> <td data-bbox="1332 1115 1458 1205">60</td> </tr> <tr> <td data-bbox="778 1205 855 1279">9.</td> <td data-bbox="855 1205 995 1279">PM₁₀ (µg/m³)</td> <td data-bbox="995 1205 1102 1279">84.30</td> <td data-bbox="1102 1205 1217 1279">90.69</td> <td data-bbox="1217 1205 1332 1279">87.50</td> <td data-bbox="1332 1205 1458 1279">100</td> </tr> </tbody> </table>	Sr. No	Parameter	Min.	Max.	Avg.	Permissible Limit	1.	SO ₂ (µg/m ³)	18.3	20.36	19.33	80	2.	NO _x (µg/m ³)	26.3	30.42	28.36	80	3.	HCl (µg/m ³)	ND	6.79	3.40	200	4.	H ₂ S (µg/m ³)	BDL	BDL	BDL	500	5.	CO (mg/m ³)	0.64	0.78	0.71	2	6.	HC (µg/m ³)	BDL	BDL	BDL	160	7.	VOC (Benzene) (µg/m ³)	BDL	BDL	BDL	5	8.	PM _{2.5} (µg/m ³)	49.84	60	54.92	60	9.	PM ₁₀ (µg/m ³)	84.30	90.69	87.50	100
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22	All transporting routes within the premises shall have roads to minimize fugitive emission	<p>Complied.</p> <p>All transporting routes within the premises are having cement roads to minimize fugitive emission. Proper housekeeping is being carried out in the plant on daily basis, truck tire washing facilities is being provided and we have developed a green belt (5250Trees) along the periphery according to CPCB guidelines (Total 2, 85,343.76 sq. meters land area is available at site; out of this area about 50,500 (3300 m length * 15 m width) sq. meters (18.46 %) area is considered as greenbelt and other forms of greenery) to minimize fugitive emission. It is an ongoing activity, we have planted 2150 trees to develop green belt.</p>																																																												
A.3 SOLID / HAZARDOUS WASTES:																																																														
23	The proponent shall ensure that the TSDF fulfils all the provisions of	Complied.																																																												

	Hazardous Wastes (Management, Handling and Transboundary Movement) Rules 2008 and the design and the construction of secured landfill site is as per the guidelines of CPCB with proper leachate collection arrangement.	We are fulfilling all the provisions of Hazardous and Other Wastes (Management and Tran's boundary Movement), Rules 2016 and its subsequent amendments. The design and the construction of secured landfill site is as per the guidelines of CPCB with proper leachate collection arrangement under the guidance of IIT, Delhi. IIT certificate is attached as ANNEXURE 2 . Summary of CPCB guidelines are attached as ANNEXURE 3 .
24	Temporary hazardous waste storage area of about 4000MT capacity having impervious bottom and roof cover shall be provided as proposed.	Complied. Temporary Hazardous waste storage area of 4000 MT & monsoon landfill cell of capacity 20000 MT having impervious bottom and roof cover has been provided.
25	The project proponent shall not store the hazardous wastes more than the quantity that has been permitted by the CPCB/ Gujarat State Pollution Control Board.	Complied. We ensure to not to store the hazardous waste more than the quantity that has been permitted by the Gujarat State Pollution Control Board. We are not storing hazardous waste (landfill waste) except 4 months during monsoon.
26	The main operational site shall be kept covered by tarpaulin with separate rain water collection system during monsoon period.	Complied. We are already following the same practice. We keep main operation site covered by tarpaulin with separate storm water collection system during monsoon period. We have submitted Monsoon Planning to the Regional Office, GPCB on 02.07.2019 Same is attached as ANNEXURE 9 .
27	Salt from MEE and discarded bags shall be disposed in the secured landfill site	Complied. Salt from the MEE and discarded bags are being disposed in the secured landfill. During this period (Apr'19 to Sep'19) total 2143.92 MT of MEE salt has been disposed in landfill.
28	BEIL shall explore possibilities with respect to reduction and reuse of hazardous waste generated by member units and received at the project site	Complied. We ensure to explore possibilities with respect to reduce and reuse of hazardous waste generated by member units and received at the project site. We have received authorization for decontamination of

		<p>drums vide letter no. GPCB/HAZ-BRCH/B-CCA-143(I)/ID-40137/375053 dated 07.11.2016 to reuse and recycle discarded used drums.</p> <p>Summary of drum receipt and decontamination is as below. (Apr'19 to Sep'19):</p> <table border="1"> <thead> <tr> <th>Month</th> <th>DRUM RECEIPT</th> <th>DRUM DECONTAMINATED</th> </tr> </thead> <tbody> <tr> <td>Apr 2019</td> <td>2966</td> <td>2590</td> </tr> <tr> <td>May 2019</td> <td>1723</td> <td>1827</td> </tr> <tr> <td>Jun 2019</td> <td>3371</td> <td>3421</td> </tr> <tr> <td>Jul 2019</td> <td>3207</td> <td>2964</td> </tr> <tr> <td>Aug 2019</td> <td>2921</td> <td>2492</td> </tr> <tr> <td>Sep 2019</td> <td>3345</td> <td>3300</td> </tr> </tbody> </table>	Month	DRUM RECEIPT	DRUM DECONTAMINATED	Apr 2019	2966	2590	May 2019	1723	1827	Jun 2019	3371	3421	Jul 2019	3207	2964	Aug 2019	2921	2492	Sep 2019	3345	3300
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29	Used oil shall be sold only to the registered recyclers.	<p>Complied.</p> <p>Right now, very less amount of used oil is being generated, we ensure to sell used oil only to registered recyclers.</p>																					
A.4 SAFETY:																							
30	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of hazardous wastes.	<p>Complied.</p> <p>We are taking all necessary precautionary measures to avoid any kind of accident during storage and handling of hazardous waste. Fire hydrants (storage capacity 250 KL), fire extinguishers are provided. Adequate PPEs are being provided to all the workers and employees, work permits are issued before starting any work and being closed after completing the work, on site emergency plan is also there which is updated on yearly basis. We are carrying out mock drills regularly Copy of the same is attached as ANNEXURE 10.</p>																					
31	Handling And storage of wastes shall be done in such a manner that minimal human exposure occurs.	<p>Complied.</p> <p>We ensure to handle and store waste in such a manner to minimize human exposure. Storage sheds at isolated designated location with impervious floor & roof is provided for solid hazardous waste of capacity 4000 MT and we have also constructed monsoon shed for storage of waste having capacity of 20,000 MT. We have also provided adequate</p>																					

		capacity to hold effluent for at least 48 hours in the case of either maintenance of the MEE or disturbances in MEE operations. We have constructed storage tank for the same purpose of the capacity 450 KL.
32	All transportation of hazardous materials shall be as per motor vehicle Act & Rules	Complied. We have ensured that the transportation of the hazardous wastes to the TSDF confirms to the norms laid down in the hazardous and other wastes (management and handling) rules 2016 i.e. licensed and trained drivers, close and hydraulic dumpers, GPS enabled dumpers etc. Total Approved 218 dedicated vehicles equipped with GPS system are being used for Transportation of Hazardous waste from member Industries to TSDF.
33	Hazardous materials storage shall be at an isolated designated location, bund/dyke walls shall be provided for storage tanks for hazardous Chemicals.	Complied. Storage sheds at isolated designated location with impervious floor & roof is provided for solid hazardous waste of capacity 4000 MT we have also constructed monsoon shed for storage of waste having capacity of 20,000 MT. We have also provided adequate capacity to hold effluent for at least 48 hours in the case of either maintenance of the MEE or disturbances in MEE operations. We have constructed storage tank for the same purpose of the capacity 450 KL with dyke wall.
34	Personal Protective Equipment shall be provided to workers and its usage shall be ensured and supervised.	Complied. Personal Protective Equipment are provided to workers and its usage are being ensured and supervised.
35	First Aid Box and required Antidotes for the chemicals used in laboratory shall be made readily available in adequate quantity at all the times	Complied. First Aid Box (4 First aid box, at gate, at admin building, at lab and at plant utility 1) and required Antidotes for the chemicals used in laboratory are made readily available in adequate quantity at all the times.
36	Training shall be given to all workers on safety and health aspect of handling hazardous wastes.	Complied. ➤ A training calendar is prepared in advance to inform everyone regarding the training dates.

		<p>➤ We try to ensure that all relevant employees are covered and maintain a record of personnel covered in each training.</p> <p>Please refer Annexure 22: A) Training calendar for 2019-20 B) Training attendance sheets 2019(Apr19-Sep19).</p>
37	Occupational health surveillance of the workers shall be carried out on a regular basis And records shall be maintained as per the Factories Act and Rules. Pre-employment and periodical medical examination for all workers shall be undertaken as per statutory requirement.	<p>Complied.</p> <p>Pre-employment checkup are being carried out. BCA test of the workers are being done on every two month and full medical checkup is being done once in a year. FMO is visiting regularly to the site.</p>
38	Project proponent shall prepare and implement an On Site Emergency Management Plan and Disaster Management Plan (DMP) for the project as per the guidelines from Directorate of industrial Safety and Health. Adequate firefighting facilities shall be installed to handle the fire.	<p>Complied.</p> <p>We've prepared, Implemented & updated (annually) On Site Emergency Management Plan. On site emergency plan is attached as ANNEXURE 10.</p> <p>Fire hydrants (Existing storage capacity 250 KL), fire extinguishers are provided and Pre-employment checkup are being carried out. BCA test of the workers are being done on every two month and full medical checkup is being done once in a year.</p>
A.5 NOISE:		
39	The overall noise level in and around the premises shall be kept within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. On all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection Act 1986 & Rules)	<p>Complied.</p> <p>We ensure to keep noise level in and around the premises within the standard limit by providing noise control measures according to its requirement. The ambient noise level shall conform to the standards prescribed under The Environment (Protection Act 1986 & Rules) of 75 dB (Day limit – Industrial area).</p> <p>We are monitoring noise level quarterly, which are well within the limit.</p> <p>Reports are attached as ANNEXURE 11.</p>

Summary Table: Noise (Day Time) (Apr'19 to Sep'19)					
Sr. No	Place	Min	Max.	Avg.	Permissible Limit
1	Near Main Gate (dB)	61	72	67	75
2	Behind ADM Building (dB)	58	65	62	75
3	Near EB 1 Borewell (dB)	56	72	63	75
4	Nr. Monsoon Shed	56	66	62	75
5	B/H Landfill cell	54	59	56	75
6	Nr. EB2 Borewell	50	56	54	75

A.6 GREEN BELT AND OTHER PLANTATION:		
40	Project proponent shall develop green belt all along the periphery of the TSDF as per the CPCB guidelines with plant spaces that are significant and used for pollution abatement. Drip irrigation system shall be used for the green belt for optimum utilization of the water resources.	<p>Complied.</p> <p>➤ We have developed 51,122 sq. mt. area along the 15 mt periphery as green belt and other forms of greenery as per CPCB guidelines. We assure that tree plantation is always going to be an on-going process.</p> <p>➤ Drip Irrigation system has been installed.</p> <p>Please refer Annexure 23:</p> <p>A) Layout showing plantation along the periphery. B) Photographs of plantation along the periphery. C) Photographs of Drip Irrigation at site.</p>
41	BEIL shall also tie up with local agencies like gram panchayat, schools, social forestry office etc. For	<p>Complied.</p> <p>➤ We have also donated 20 tree guards to Suva Village & also donated 40 tree guards to</p>

	<p>plantation at suitable open places in GIDC estate and nearby villages and shall submit an action plan of plantation for next five year to the GPCB</p>	<p>Nandarkha village.</p> <p>➤ In consultation with the gram panchayat, an action plan of plantation for the next five years has been prepared. As per the action plan, BEIL will provide plants and tree guards for the locations mentioned by the gram panchayat.</p> <p>Please refer Annexure 24:</p> <p>➤ Acknowledgement letters from villages for plantation & tree guards provided by BEIL.</p> <p>➤ 5-year action plan for plantation with Dahej Gram Panchayat.</p>
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OTHER CONDITIONS:

Sr. No.	Description	Status
42	<p>Project Proponent shall obtain necessary Authorization/ Consents from the Gujarat Pollution Control Board</p>	<p>Complied.</p> <p>We have obtained CCA# AWH-70720 dated 18.04.2015 & CCA Amendment# AWH-80232 dated 14.07.2016 for Cell-2 & 5 and CCA Amendment # AWH-81993 dated 07.11.2016 for De-contamination & Detoxify facility for drums/barrels/carboy and is valid up to 17.04.2020. MEE Plant of Capacity 200 KLD has been installed and commissioned in May, 2017. We have received CCA-Amendment No:- AWH-89413 dated 16.12.17. We have received CCA# AWH-91868 dated 09.04.2018 for De-contaminated and De-toxified tanker, it is valid up to 17.04.2020. The copy of the same is attached for your reference as ANNEXURE 19.</p>
43	<p>A separate Environment Management Cell equipped with full-fledged testing laboratory facilities shall be set up to carry out the environment Management and Monitoring Functions</p>	<p>Complied.</p> <p>A full-fledged, well qualified and experienced staff is appointed in the environment cell. The details are as given below:</p> <p><u>Environment Cell at Site:</u></p> <p>1. Mr. Manoj Patel: General Manager – Project (BE Civil)</p> <p>2. Mr. Vijay Gadhge: Technical Advisor - Environment (Ex- SEE GPCB)</p>

		<p>3. Ms. Rakshita Vyas: Manager – Environment (M.Sc. Env. Science)</p> <p>4. Shahrukh Saiyed: Environment Engineer (B.E. Environment Science and Technology)</p> <p><u>Corporate Environment Cell</u></p> <p>1. Mr. B.D. Dalwadi - CEO - (BE – Chemical)</p> <p>2. Dr. P N Parameswaran: Vice President – Environment (PhD Environment)</p>
44	In the event of de-functioning of MEE receipt of effluent from member units shall be immediately stopped and they shall be intimated about the same. Effluent from the member units shall not be received until the desired efficiency of MEE has been achieved.	<p>Complied.</p> <p>Till date there was no such incident has occurred of not functioning of MEE. We ensure to stop taking effluent from member units immediately, and will start again only when desired efficiency of MEE will be achieved.</p>
45	Adequate spares for waste and effluent collection, handling and transfer shall be maintained at all times.	<p>Complied.</p> <p>Adequate spares for waste and effluent collection, handling and transfer are maintained at all times.</p> <p>A leachate collection system is provided to collect the leachates at a collection points.</p> <p>There is planning to construct 7 leachate collection wells, from which 2 collection wells has been constructed for the cell 1, cell2 and cell5. Leachate is pumped from leachate wells and was sent to MEE at BEIL Ankleshwar unit for initial two – three years, now it will be treated in MEE at BEIL, Dahej. MEE Plant of Capacity 200 KLD has been installed and commissioned in May, 2017. We have received CCA-Amendment No:- AWH-89413 dated 16.12.17.</p> <p>Storage sheds at isolated designated location with impervious floor & roof is provided for solid hazardous waste of capacity 4000 MT we have also constructed monsoon shed for storage of</p>

		waste having capacity of 20,000 MT.
46	BEIL shall comply with all the provisions of CPCB guidelines for TSDF as may be applicable from time to time	<p>Complied.</p> <p>We have complied all the provisions of CPCB guidelines for TSDF as applicable from time to time.</p> <p>Summary of the guidelines Compliance is attached as ANNEXURE 3.</p>
47	BEIL shall maintain accurate records of their member units in respect of quantity of each product manufactured quantities and qualities of waste & effluent generated booked & supplied to the TSDF & MEE on day to day basis and shall submit the complied records to the GPCB on monthly basis	<p>Complied.</p> <p>We are maintaining accurate records of member units in respect of quantity of each product manufactured quantities and qualities of effluent generated booked & supplied to the TSDF & MEE on day to day basis.</p> <p>MEE Plant of Capacity 200 KLD has been installed and commissioned in May, 2017. We have received CCA-Amendment No:-AWH-89413 dated 16.12.17.</p> <p>For landfilling, online manifest system is placed. We are also submitting monthly report to GPCB office.</p>
48	BEIL shall ensure that each & every member unit renews the agreement/ membership on before expire of said agreement/membership and shall inform the GPCB about any unit not renewing the agreement/membership within stipulated period BEIL shall immediately inform the Gujarat Pollution Control Board termination/ suspension of membership of any member unit.	<p>Complied.</p> <p>We will ensure that each & every member unit renews the agreement/ membership on before expire of said agreement/membership and will inform the GPCB about any unit not renewing the agreement/membership within stipulated period. We ensure to immediately inform the Gujarat Pollution Control Board termination/ suspension of membership of any member unit.</p>
49	BEIL shall instruct and make sure that each member unit provides effluent storage tank and hazardous waste storage area having adequate retention time.	<p>Complied.</p> <p>As per our protocol, before giving membership, industries have to submit some details to BEIL in the prescribed membership form. One of the details asked for, is, storage capacities of liquid and solid waste. We do not accept incomplete membership forms.</p>

		<p>Samples of our membership form and member's documents were shown at the time of visit.</p> <p>GPCB mentions a condition in every industry's CCA, that the industry needs to provide effluent storage tanks and hazardous waste storage area having adequate retention time.</p> <p>Annexure – 20 A) Membership form – Landfill. B) List of members with their consent details & hazardous storage details.</p>
50	BEIL shall not allow any new member or enhance waste / effluent quantity of existing members unless & until they have prior requisite permissions from competent authorities.	<p>Complied.</p> <p>BEIL does not give membership without verifying the member's consent. We also have CCA copies of members. Samples of CCA copies of members were shown at the time of visit.</p> <p>Annexure – 21 B) List of members with their consent details.</p>
51	Pucca flooring/ impervious layer shall be provided in the work area, chemical storage area and chemical handling area to minimize soil contamination	<p>Complied.</p> <p>We have provided Pucca flooring/ impervious layer in the work area, chemical storage area and chemical handling area to minimize soil contamination.</p> <p>Storage sheds at isolated designated location with impervious floor & roof is provided for solid hazardous waste of capacity 4000 MT we have also constructed monsoon shed for storage of waste having capacity of 20,000 MT.</p>
52	Good Housekeeping shall be maintained within the premises. All pipes valves and drains shall be leak proof Leakages from the pipes, pumps shall be minimal and if occurs shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal through MEE	<p>Complied.</p> <p>➤ Earlier the site was new and many construction activities were going on, therefore housekeeping was not up to the mark and dusting was also observed. But, now housekeeping is good, and no major dusting is</p>

		<p>observed. We are also implementing 5S system, which is specially designed for good housekeeping practices and a 5S certification agency has also been appointed.</p> <ul style="list-style-type: none"> ➤ To ensure least leakages from pumps/motors//lines, preventive maintenance of the same is carried out on regular basis. ➤ Curbing is done in the temporary storage shed of landfill to avoid leachate to flow out of the shed. ➤ Leakages from equipment & floor washing effluent is being collected in tank/pit & treated in MEE. <p>Please refer Annexure 25:</p> <ul style="list-style-type: none"> A) Work Order of 5S implementation given to SRICT. B) Pictures of curbing in temporary storage shed. C) Good housekeeping
53	<p>During effluent transfer, spillages shall be avoided, and garland drain be constructed to avoid mixing of accidental spillages with storm water</p>	<p>Complied.</p> <ul style="list-style-type: none"> ➤ In case of spillage during transfer of effluent, the spilled effluent gets collected in the garland drain which has a collection pit at its end. From this collection pit, the effluent is transferred back to the feed tank for treatment in MEE. There is a separate effluent collection drain in the plant and is not connected to storm water drain. Similarly, there is a separate effluent collection drain/garland drain in all the plants and the spilled effluent is collected and transferred to MEE. Pictures & plant layout depicting the same are attached. ➤ The main landfill site is kept covered during monsoon and no waste is added in this site during the period and hence there are no chances of contaminated run-off from landfill. Further, an IIT approved leachate collection system is developed and there is a garland drain around the leachate tank. The leachate

		<p>from here is pumped to the storage tank which is provided with dyke wall. Therefore, no chances of any type of contamination from anywhere. Pictures & Layout attached.</p> <p>➤ The outlet of storm water drain is equipped with a gate system and the water in the channel is checked daily. If at all, the water in the storm water channel is found contaminated then we pump it to MEE for treatment. Therefore, there are no chances of contaminated water going out of the premises.</p> <p>Please refer Annexure 26:</p> <p>A1) Picture of plant showing separate garland drain & storm water channel.</p> <p>A2) Picture showing garland drain, effluent collection chamber of drain and plant area.</p> <p>B1) Layout of site.</p> <p>B2) Zoomed in layout showing separate garland drain & storm water channel.</p> <p>C) Leachate storage tank with dyke wall.</p> <p>D) Gate at the storm water channel outlet.</p>
54	<p>Necessary measures shall be taken to prevent contamination of storm water from wastes/effluent handled at site. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.</p>	<p>Complied.</p> <p>Necessary measures have been taken to prevent contamination of storm water from waste/effluent handled at site. Separate storm water drain is provided.</p>
55	<p>BEIL shall intimate the GPCB about occurrence of any accident, act or event resulting in discharge of poisonous, noxious or polluting mater or the likelihood of the same into a stream or land or well.</p>	<p>Complied.</p> <p>Till date there was no such incident/accident has occurred. We ensure to intimate the GPCB about occurrence of any accident, act or event resulting in discharge of poisonous, noxious or polluting mater or the likelihood of the same into a stream or land or well. There is a separate</p>

		provision for storm water drain which is after analysis and confirming absence of any contamination released into GIDC drain.															
56	The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported.	<p>Complied.</p> <p>We have ensured funds earmarked for environment protection measures in a separate account.</p> <p>Details of the Separate fund and year wise expenditure on environment safeguard is as below.</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Year</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2016 - 2017</td> <td>27,43,000</td> </tr> <tr> <td>2</td> <td>2017 - 2018</td> <td>24,25,000</td> </tr> <tr> <td>3</td> <td>2018-2019</td> <td>57,17,000</td> </tr> <tr> <td>4</td> <td>2019-2020(Till Septmeber)</td> <td>44,74,000</td> </tr> </tbody> </table>	Sr. No	Year	Amount	1	2016 - 2017	27,43,000	2	2017 - 2018	24,25,000	3	2018-2019	57,17,000	4	2019-2020(Till Septmeber)	44,74,000
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57	All the issues raised in the public hearing shall be comprehensively addressed/ compiled with in a time bound manner.	<p>Complied</p> <p>All the issues raised in public hearing were addressed/complied on time.</p> <p>Please refer Annexure 27: Compliance Report of Public Hearing.</p>															
58	BEIL shall assign specific budget for socio-economic upliftment of the surrounding villages and shall undertake eco-developmental measures including community welfare program most useful in the project area for the overall improvements of the environment in consultation with the District Development Officer/District Collector.	<p>Complied.</p> <ul style="list-style-type: none"> ➤ We have donated Rs. 50000 to Shri P.J. Chheda Janta Vidhyalaya, Rs. 10000 to School Management Committee & Rs. 5000 to Archarya Prathmik Shala, Dahej. ➤ Apart from that we have tied up with local Gram panchayat to develop a garden, costing Rs. 3.2 Lacs. ➤ We are also extending supporting hand when and where asked and required. ➤ We are also building a compost site in Dahej village. ➤ Further, a total budget of Rs. 40 lacks for the next 5 years has been allocated for socio economic upliftment to improve the overall environment. We shall be using this amount on various activities like providing sanitation, solid waste 															

		<p>management, rain water harvesting, etc. The tentative break-up of Rs. 40 lakhs for the next 5 years is as under:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Rs. (Lakhs)</th> </tr> </thead> <tbody> <tr> <td>18-19</td> <td>10</td> </tr> <tr> <td>19-20</td> <td>10</td> </tr> <tr> <td>20-21</td> <td>10</td> </tr> <tr> <td>21-22</td> <td>5</td> </tr> <tr> <td>22-23</td> <td>5</td> </tr> </tbody> </table> <p>➤ A letter with our intention to contribute the above amount towards the socio-economic upliftment projects in co-ordination with District Collector/District Development Officer is submitted to the respective offices. Inward copy attached.</p> <p>Please refer Annexure 28:</p> <p>Inward copy of Letter submitted to DC/DDO offices</p>	Year	Rs. (Lakhs)	18-19	10	19-20	10	20-21	10	21-22	5	22-23	5
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59	BEIL shall comply with all the recommendations as well as the environmental protection measures and risk mitigation measures/ safeguard proposed in the REIA report, Risk Assessment Report & Disaster Management Plan of the project.	<p>Complied.</p> <p>We have complied with all the recommendations as well as the environmental protection measures and risk mitigation measures/ safeguard proposed in the REIA report, Risk Assessment Report & Disaster Management Plan of the project. EMP Compliance is attached as ANNEXURE17.</p>												
60	In the event of a change in project profile or change in the implementation agency a fresh reference shall be made to the SEIAA/SEAC	<p>Complied.</p> <p>We have received EC on date 19th December 2018 for Installation of Incinerators and Capacity enhancement of Landfill Facility.</p>												
61	BEIL shall thrive to obtain the ISO 14001 and OSHAS 18001 Certification	<p>Complied.</p> <p>We've got ISO 14001:2004 & OHSAS 18001:2007 certificate. & valid up to 24.06.2019. Copy of Certificate is attached as ANNEXURE13.</p>												

62	The project manager shall extend full support to the officer of MOEF/GPCB during inspection of the project for monitoring purpose by furnishing full details and action plan including action reports in respect of mitigation measures and other environmental protection activities	Complied.
63	A six-monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of the MOEF and SEIAA regarding the implementation of the stipulated condition in hard and soft copies to the regulatory authority concerned on 1 st June and 1 st December of each calendar year	Complied. We have submitted six monthly report to the Regional Office of the MOEF and SEIAA regarding the implementation of the stipulated condition in hard and soft copies to the regulatory authority. Acknowledgement copy of the last submitted copy is attached as ANNEXURE 14.
64	The project proponents shall inform the Regional Office of MOEF at Bhopal as well as the SEIAA, the date of financial closure and final approval of the project by the concern authorities and the date of start of land development work.	Complied We had informed the GPCB Regional Office of MOEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project vide letter No BEIL/DAHEJ/2015 dated 30.07.2014. Same is attached as ANNEXURE 15.
65	BEIL shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Complied. We are complying with conditions imposed by the SEAC or the SEIAA. EC Compliance is submitted half yearly to the concern authorities (MOEF, CPCB, GPCB). All the conditions stipulated in the CCA are also complied.
66	No further expansion or modification in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environmental Clearance from the concerned authority.	Complied. We have received authorization for decontamination of drums vide letter no. GPCB/HAZ-BRCH/B-CCA-143(I)/ID-40137/375053 dated 07.11.2016 to reuse and recycle discarded used drums.
67	The project authority shall earmark adequate funds to implement the condition stipulated by SEIAA as well as GPCB along with the	Complied. We have earmarked adequate funds to

	implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	<p>implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein.</p> <p>Details of the Separate fund and year wise expenditure on environment safeguard is as below.</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Year</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2016 - 2017</td> <td>27,43,000</td> </tr> <tr> <td>2</td> <td>2017 - 2018</td> <td>24,25,000</td> </tr> <tr> <td>3</td> <td>2018-2019</td> <td>57,17,000</td> </tr> <tr> <td>4</td> <td>2019-2020(Till September)</td> <td>44,74,000</td> </tr> </tbody> </table>	Sr. No	Year	Amount	1	2016 - 2017	27,43,000	2	2017 - 2018	24,25,000	3	2018-2019	57,17,000	4	2019-2020(Till September)	44,74,000
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68	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with GPCB and any also be seen at the Website of SEIAA/GPCB. This shall be advertised within seven day from the date of clearance letter, in at least two local newspapers that are widely circulated in the region. One of which shall be in Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the authority.	<p>Complied.</p> <p>BEIL had received EC on 19th Dec 2018 and we had given adv in three newspapers namely; Divya Bhaskar, Sandesh and Times of India on 21st Dec'18.</p> <p>Annexure 16: A) EC copy. B) Newspaper advertisements dated 21st December'18.</p>															
69	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	<p>Complied.</p> <p>All the conditions stipulated in the CC&A are complied.</p>															
70	The project authorities shall inform the GPCB Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	<p>Complied.</p> <p>We had informed the GPCB Regional Office of MOEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project vide letter No BEIL/DAHEJ/2015 dated 30.07.2014.</p> <p>Same is attached as ANNEXURE 15.</p>															
71	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted															

72	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional condition, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act 1974, Air (Prevention & Control of Pollution) Act 1981. The environment (Protection) Act 1986. Hazardous Wastes (Management, Handling and Transboundary Movement) Rules 2008 and the public Liability Insurance Act 1991 along with their amendments and rules.	Complied We are complying with conditions imposed by the SEAC or the SEIAA. EC Compliance is submitted half yearly to the concern authorities (MOEF, CPCB, GPCB). All the conditions stipulated in the CCA are also complied. CCA Compliance is attached as Annexure 18. We are having Public Liability Act Policy No. 1806012716P101360190 which is valid up to 30.04.2020. PLI Policy is attached as Annexure 18 .
73	This environmental clearance is valid for five years from the date of issue.	Complied We have received EC vide letter no. SEIAA/GUJ/EC/7(d)/227/2013 dated 13.07.2013. We have got CCA order no. AWH – 70720 issued on 18.04.2015.
74	Any appeal against this environmental clearance shall be with the National Green Tribunal, if preferred within a period of 30 day as prescribed under Section 16 of the National Green Tribunal Act 2010	N.A

Compliance Status of Environmental clearance for Installation of Two Incinerators and Capacity Enhancement of Existing Landfill Facility at existing Common Hazardous Waste Treatment Storage and Disposal Facilities (TSDF) at Plot No. D-43, Dahej Industrial Estate, Tal. Vagra, Dist. Bharuch by M/s BEIL Infrastructure Limited for Period Apr' 19 to Sep'19.

Sr No.	EC Condition Details	Status																								
1	The proposal is for grant of environmental clearance to the project 'Installation of Two Incinerators and Capacity Enhancement of Existing Landfill Facility' at existing Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) at plot number D-43, Dahej Industrial Estate, Taluka Vagra, District Bharuch by M/s BEIL Infrastructure Limited																									
2	The proposed project is Category "A "Common hazardous waste treatment, storage and disposal facilities (TSDFs) listed under activity 7 (d) as per EIA Notification dated 14th September 2006 as it is proposed to upgrade the facility integrated facilities having incineration & landfill.	Noted																								
3	Due to growth of chemical Industries in the Dahej industrial area, generation of hazardous waste Landfillable & incinerable waste has been increasing many folds. The existing secured landfill is likely to get exhausted much before planed period at the current rate of waste generation & disposal. Therefore, it is proposed to enhance the capacity of SLF from 14 lakhs MT to 19 lakhs MT and addition of two Incinerators. All the other facilities such as infrastructure, laboratory is already available at the existing site.																									
4	<p>Details of existing and proposed facilities are as under:</p> <table border="1" data-bbox="188 1261 1018 1861"> <thead> <tr> <th data-bbox="188 1261 464 1301">Particulars</th> <th data-bbox="464 1261 743 1301">Existing</th> <th data-bbox="743 1261 1018 1301">Proposed</th> </tr> </thead> <tbody> <tr> <td data-bbox="188 1301 464 1341">Land area</td> <td data-bbox="464 1301 743 1341">2,85,343.76 m2</td> <td data-bbox="743 1301 1018 1341">Nil</td> </tr> <tr> <td data-bbox="188 1341 464 1413">Secured landfill capacity</td> <td data-bbox="464 1341 743 1413">14 LMT</td> <td data-bbox="743 1341 1018 1413">19LMT</td> </tr> <tr> <td data-bbox="188 1413 464 1485">Incinerator</td> <td data-bbox="464 1413 743 1485">Nil</td> <td data-bbox="743 1413 1018 1485">2 Nos. 12 Million Kcal/hr</td> </tr> <tr> <td data-bbox="188 1485 464 1556">Water consumption</td> <td data-bbox="464 1485 743 1556">466 KLD</td> <td data-bbox="743 1485 1018 1556">900 KLD</td> </tr> <tr> <td data-bbox="188 1556 464 1597">Power</td> <td data-bbox="464 1556 743 1597">475 KVA</td> <td data-bbox="743 1556 1018 1597">1920 KVA</td> </tr> <tr> <td data-bbox="188 1597 464 1709">D.G.</td> <td data-bbox="464 1597 743 1709">1 no 600 KVA</td> <td data-bbox="743 1597 1018 1709">2 nos. (600 KVA + 900 KVA) capacity</td> </tr> <tr> <td data-bbox="188 1709 464 1861">Employment</td> <td data-bbox="464 1709 743 1861">Employee-23 Worker - 84</td> <td data-bbox="743 1709 1018 1861">Construction phase 150 workman Operation phase: 60 workmen</td> </tr> </tbody> </table>	Particulars	Existing	Proposed	Land area	2,85,343.76 m2	Nil	Secured landfill capacity	14 LMT	19LMT	Incinerator	Nil	2 Nos. 12 Million Kcal/hr	Water consumption	466 KLD	900 KLD	Power	475 KVA	1920 KVA	D.G.	1 no 600 KVA	2 nos. (600 KVA + 900 KVA) capacity	Employment	Employee-23 Worker - 84	Construction phase 150 workman Operation phase: 60 workmen	
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5	Water Consumption for the proposed project is 900 KLD and will be met from GIDC water supply	Noted																								
6	Leachate/effluent from landfill will be treated in Multiple Effect Evaporator (MEE) plant. The waste water from incinerator shall be used for quenching. Municipal spoil waste generated from	Noted																								

	the project shall be disposed as per MSW Rules, 2016.	
7	Hazardous solid waste generated as the residue from MEE after treatment of leachate and residue ash generated from incineration of hazardous waste shall be disposed in the landfill. Transportation of hazardous solid waste is done as per guidelines of CPCB. The TSDF have approved transporter authorization with dedicated vehicle (hydraulics) for transportation of wastes.	Noted & Complied We are transporting the MEE salt as per the guidelines of CPCB.
8	The proposed project shall be an important endeavor to mitigate the degradation of environment in the region.	
9	TOR for the proposed project was approved by MOEF & CC on dated 26th October 2016 vide Letter no F.No. -10-43/2016-1A-III.	
10	Public Hearing was exempted vide amendment in TOR issued vide letter dated 14th May 2018, as Dahej Industrial Estate of GIDC is a part of Development of Petroleum, Chemical and Petro-chemical Investment Region (PCPIR) Dahej, Dist. Bharuch. The PCPIR has already obtained Environmental Clearance on 17th September 2017 vide letter 21-49/2010/-1AIII for the entire industrialized region. The Public hearing for the same was also conducted on 30th July 2014.	
11	Investment/Cost of the project is approx. Rs. 64 Crore	
12	Benefits of the project: There will be a positive environmental impact by collecting and disposing the hazardous waste in the scientific manner that will reduce the future health hazard. It is expected that additional people will get employment and hence job opportunities for the local people as well as migrants from nearby areas would increase.	
13	Employment potential: About 150 persons (construction phase) & 60 persons (operational phase).	
14	The project/activity is covered under category 'A' of item 7(d) Common hazardous waste Treatment, Storage and Disposal Facilities (TSDFs) of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.	Noted
15	The EAC, in its 35th meeting held on 29-31 October 2018, deliberated on the proposal including certified compliance report letter No. 18-A-96/2013(Parya)/943 dated 28.08.2017 (inspection done on 06.06.2017) issued by the MOEF & CC's Regional Office (Western Region), Bhopal. The EAC, on being satisfied with the submissions of the project proponent, recommended the project for grant of environmental clearance to the project. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project `Installation of Two Incinerators and Capacity Enhancement of Existing	Noted

	Landfill Facility at existing Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) at plot number D-43, Dahej Industrial Estate, Taluka Vagra, District Bharuch by M/s Bharuch Enviro Infrastructure Limited, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under: -	
A.1	SPECIFIC CONDITIONS	
1	Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Noted
2	The Project proponent should ensure that the TSDF fulfils all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.	Noted
3	Ground water abstraction shall be as prescribed by the CGWA. A clearance/permission of the CGWA shall be obtained in this regard.	Noted
4	It shall be ensured that all the trees and other plantation are of the non-edible varieties and do not in any way encourage the incorporation of toxic materials in the food chain.	Noted & Complied We are ensuring that trees and other plantation are of non-edible varieties.
5	The TSDF should only handle the waste generated from the member units.	Complied The waste generated from members of BEIL is only accepted who have valid CC&A obtained from GPCB.
6	As proposed, air pollution control device viz. gas quencher; treatment with mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs (if any); bag-filter/ESP for removal of particulate matter; ventury scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapours in flue gas; and demister column for arresting water carry over will be provided to the incinerator. Online pollutant monitoring shall be provided as per CPCB guidelines for monitoring particulate matter, SO ₂ , NO _x and CO from the incinerator stack. The periodical monitoring of Dioxins and Furans in the Stack emissions shall be carried out.	Noted
7	Analysis of Dioxins and Furans shall be done through CSIR — National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory.	Noted
8	The project proponents shall adhere to all conditions as prescribed in the Protocol for 'Performance Evaluation and Monitoring of the Common Hazardous Waste Treatment, Storage and Disposal Facilities' published by the CPCB in May 2010.	Noted
9	Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.	Noted
10	Sufficient number of Piezometer wells shall be installed in and	Noted

	around the project site to monitor the ground water quality in consultation with the State Pollution Control Board / CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MOEF & CC.	
11	Ambient air quality monitoring shall be carried out in and around the landfill site at up wind and downwind locations.	Complied We are regularly monitoring the ambient air quality around the landfill at up-wind and down-wind directions.
12	The depth of the land fill site shall be decided based on the ground water table at the site and may be such as permitted by the Pollution Control Board.	Noted & Complied Ground water table at the project site has been ascertained through the GWRDC before initiating construction of secured landfill site. The depth of the secured land fill site has been decided based on the ground water level at the site and bottom of the secured landfill site, which is 7.5 (> 2 m) meter above the ground water table.
13	Environmental Monitoring Programme shall be implemented as per EIA report and guidelines prescribed by CPCB for hazardous waste facilities. Periodical ground water/soil monitoring to check the contamination in and around the site shall be carried out.	Noted
14	The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.	Noted
15	On line real time continuous monitoring facilities shall be provided as per the CPCB or State Board Directions.	Noted
16	No non-hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, shall be handled in the premises.	Complied We are carrying out Internal Analysis of all the hazardous waste we are receiving only the
17	Gas generated in the Landfill should be properly collected, monitored and flared.	Noted At present no any cell is capped.
18	Project Proponent shall develop green belt with native plant species that are significant and used for the pollution abatement. At least 10 m thick greenbelt shall be developed in the periphery of hazardous waste facility.	Noted & Complied We have planted trees and it is an ongoing activity.
19	Project should ensure that the site is properly cordoned off from general movement and no unauthorized person or goods permitted to enter the premises. Necessary security provision should be made as a condition in the Authorization under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 to prevent unwanted access.	Complied We have ensured that the project is properly cordoned off from general movement and no unauthorized person or goods permitted to enter the premises.
20	Pre medical check-up to be carried out on workers at the time of employment and regular medical record to be maintained.	Complied We are carrying out Pre-medical check-up of employees at the time

		of employment and maintaining record for the same.
21	Emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or environment from fires, explosion or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water.	Noted
22	Rain water runoff from the landfill area and other hazardous waste management area shall be collected and treated in the effluent treatment plant.	Complied
23	The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.	Complied We only store the waste during the 4 months of the Monsoon as our Landfill site is covered with tarpaulin
24	As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1 st May 2018, and as proposed, a fund of Rs. 0.40 Crore @ 1% of project Cost, shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as sanitation, solid waste management and rain water harvesting etc. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.	Noted & Complied We are constructing a Compost Site at the nearby Dahej village.
B	GENERAL CONDITIONS	
1	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office/ Tehsildar's office for 30 days.	Complied We have submitted a copy of environment clearance to the GPCB Bharuch and Member Secretary GPCB Gandhinagar.
2	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.	Complied. We have earmarked adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. Details of the Separate fund and year wise expenditure on environment safeguard is as

		below.															
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3	Officials from the Regional Office of MOEF &CC, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MOEF & CC shall be forwarded to the APCCF, Regional Office of MOEF & CC, Bhopal.	Noted															
4	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Noted															
5	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted															
6	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Noted															
7	These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.	Noted															
8	The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at http://www.envfor.nic.in . The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Bhopal.	<p>Complied.</p> <p>BEIL had received EC on 19th Dec 2018 and we had given adv in three newspapers namely; Divya Bhaskar, Sandesh and Times of India on 21st Dec'18.</p> <p>Annexure 16: A) EC copy. B) Newspaper advertisements dated 21st December'18</p>															
9	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	N.A.															

10	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad /Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied We have sent the clearance letter to the nearby panchayat's, municipal corporation and local NGO.
11	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF & CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Noted
12	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MOEF& CC by email.	Complied Every year we are submitting the Environmental Statement to the GPCB Regional Office Bharuch and to GPCB Gandhinagar.

GUJARAT WATER RESOURCES DEVELOPMENT CORPORATION LTD., GANDHINAGAR.



OFFICE OF THE GEOHYDROLOGIST
GROUND WATER DIVISION NO.1,
REGIONAL DATA PROCESSING CENTRE,
VASANA BARRAGE CAMPUS, VASANA,
AHMEDABAD - 380 007.
TEL.NO. 079-26604027 FAX NO. 079-26609803
Email : ghdy1@gmail.com

No.GWDn.1/PB/Deposit/Gen/ 637 /2012
Date: 27/04/12

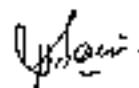
To,
The Dy.General Manager
Bharuch Enviro. Infrastructures Ltd.,
Plot No.9701-16, GIDC Estate, P.B.No.82,
ANKLESHWAR - 393 002.

Sub:- Geohydrological survey at Bharuch Enviro. Infrastructures Limited,
Dahej, Plot No.43, Dahej-1 Campus.
Ref:- Your's office letter dated 31/01/12.

Dear Sir,

With reference to above subject find herewith Geohydrological
Investigation Report at Dahej, Taluka-Vagara, District-Bharuch under deposit
work.

D.A.: As above.


GEOHYDROLOGIST
G.W.DIV.NO.1,
AHMEDABAD.

Copy submitted to:

➤ The Superintending Engineer, GWMI Circle, Gandhinagar for information
please.DA: A/a.

Copy to:

➤ The Geologist, G.W.Sub.Dn.No.2, Vadodara In reference to your letter
No.GWDn.1/PB/Deposit work/143/12, dated 20/04/12.

== Save Water ==

B. S. I. S.
05 MAY 2012
Inward No. 260
Time 11:30 AM

BRIEF REPORT ON
GEOHYDROLOGICAL CONDITIONS AROUND BEIL, DAHEJ
GIDC AREA, TALUKA VAGRA DISTRICT BIHARUCH

(April -2012)

GEOHYDROLOGIST
REGIONAL DATA CENTRE
VASNA BARRAGE
VASNA
AHMEDABAD

A BRIEF REPORT ON GEOHYDROLOGICAL CONDITIONS AROUND DAHEJ GIDC AREA, TALUKA VAGRA DISTRICT BHARUCH

AIM OF STUDY

Bharuch Enviro Infrastructure Ltd. has asked for Geohydrological Condition in & around Village Dahej GIDC area to study the ground water flow direction, details of aquifers and level of 1st, 2nd & 3rd aquifers based on sub-surface geology of the area in their proposed Landfill site at Dahej GIDC as per letter No. GWDn. I/ PB/Deposit work/ 293/ 2012, Dated : 28/02/2012.

INTRODUCTION

Geohydrological investigation was carried out at Village Dahej-GIDC area and based on these investigation details of existing ground water structures such as Tube Well, Bore Well & Open Well and on long term seasonal water level fluctuations of the area, were studied and based on these data this report has been prepared.

LOCATION AND EXTENT

GIDC Area is situated at Village Dahej in the South Western part of Vagra Taluka. The study area covering GIDC lies between 72^o 32' 50" to 72^o 37' 40" East longitude and 21^o 40' 41" to 21^o 44' 59" North latitude covered under Survey of India Topo sheet No. 46 C/10. The total geographical area of the Village Dahej is 30.02 Sq.Kms. The Dahej Village is connected by State Highway Bharuch-Dahej broad gauge railway line Sammi-Dahej. (Plate-1)

PHYSIOGRAPHY

The topography of the area is mainly plain with general slope towards Northwest and West direction.

DRAINAGE

The drainage of the area is controlled mainly by Gulf of Cambay.

CLIMATE

The area having tropical climate with summer season from mid March to mid June with maximum temperature up to 42^o, Winter season from November to February with minimum temperature up to 12^o and Monsoon season from mid June to October. The long term average rainfall of the taluka is 674 mm for the period 1963 to 2010 and short term average rainfall is 883 mm from 2002 to 2010.

GEOLOGY

Geologically the area comprises of alluvial formations of Recent to Sub Recent age. The geological succession in stratigraphical order is mentioned below.

ERA	PERIOD	AGE	LITHOLOGY
Cenozoic	Quaternary	Sub-Recent to Recent	Alluvium consisting of Sand & Clay Beds
	Tertiary	Lower Miocene	Clay

The alluvium deposit of Sub-Recent to Recent age is observed in the area. It consists of alternate bands of Yellowish brown clay and fine to coarse grained sand. The Tertiary formation consists of clay underlies the alluvium.

As the area is under the influence of sea water intrusion no efforts has been made by local farmers or existing industries for ground water exploration. GWRDC has drilled one piezometer at Village Dahej under Hydrology Project and drilled one more piezometer at Village Atali under Narmada Canal Command Area. However to know aquifer deposition in the BEL area it is necessary to construct exploratory bore well.

GEOHYDROLOGY:

The main hydrological unit in the area is alluvium formation. The alluvium formation mainly comprises of alternate bands of sand & clay. The sand formation consists of medium to fine grained and works as aquifer. The ground water in area is highly saline so no efforts have been done to extract ground water.

Two Piezometers are constructed by GWRDC under different projects in this area. At Atali piezometer, the depth to water level varies from 2.60 mts to 6.60mts, which has the depth of 12.00 Mts. At Dahej Piezometer having depth of 38.38 Mts, depth of water level ranges from 7.65 to 9.96 mts(Statement no 1) for year 2007-2011. BEL has drilled two nos of shallow bore well with a depth of 25.00 Mts. each. Water level observed in BEL bore well is 8.50 Mts to 7.90 Mts.

GROUNDWATER FLOW:

The general observation reveals that the flow of the groundwater generally controlled by topography of the area. As no efforts has been made to extract ground

water due to high salinity it is assumed that ground water generally follow the topography of the area and at Dahej village the topography is slopping towards Northwest and West direction so ground water flow should be towards Northwest and West direction.

GROUNDWATER SEASONAL FLUCTUATIONS:

To study the groundwater seasonal fluctuation in the area, the statement showing water level fluctuation of the existing monitoring station from the year 2007 to 2011 is studied. (Table No.I) The minimum water level ranges from 2.60 Mts. observed at village Atali of Vagra Taluka to 9.90 mts. at village Daheji of Vagra Taluka. The average seasonal fluctuation observed is 1.62 Mts to 2.39 Mts in the area.

GROUND WATER QUALITY:

To study the ground water quality water samples are collected from existing bore well constructed by BEL in their premises which indicate TDS 5110 ppm. The higher values of TDS is observed at BEL Bore well with a depth of 25.00 Mts which indicates that aquifer is saline with respect to TDS value. At Village Atali the TDS value ranges from 250 ppm to 570 ppm while at Village Dahej TDS value range from 3470 ppm to 4030 ppm. It is observed that higher values of TDS are observed at higher depth.

CONCLUSIONS:

- (1) Ground water level in the area ranges from 2.60 Mts to 9.90 Mts. bgl in the study area.
- (2) Ground water level fluctuation ranges from 1.62 Mts to 2.39 Mts.
- (3) From existing data of Piezometer constructed in study area it is presumed that first aquifer starts from 7.00 Mts to 12.00 Mts, second aquifer from 28.00 Mts to 37.00 Mts, whereas no information available for third aquifer as no structure is observed with higher depth.

RECOMMENDATIONS:

Based on existing bore well data and geohydrological investigation carried out in area, there are two aquifers at different depths. To know the exact depth of different aquifer in the study area, it is recommend to drill exploratory bore well with a depth of 60.00 Mts, or until the third aquifer is encountered in South East portion of the study area. (Plate-II) The bore well should be electro logged at pilot stage.

The specification of exploratory bore well is mentioned below.

Sr.No.	Bore No.	Bore Detail	Diameter in mm	Depth in Mts.
1	E-1	Exploratory	200 mm	60.00

Depending on the litho log of exploratory bore well, it is recommended to drill 3 nos. of piezometer nests with varying depth from 20.00 Mts to 60.00 Mts, tapping different aquifers.

The distance between the three different piezometer should be kept at least 15.00 Mts.

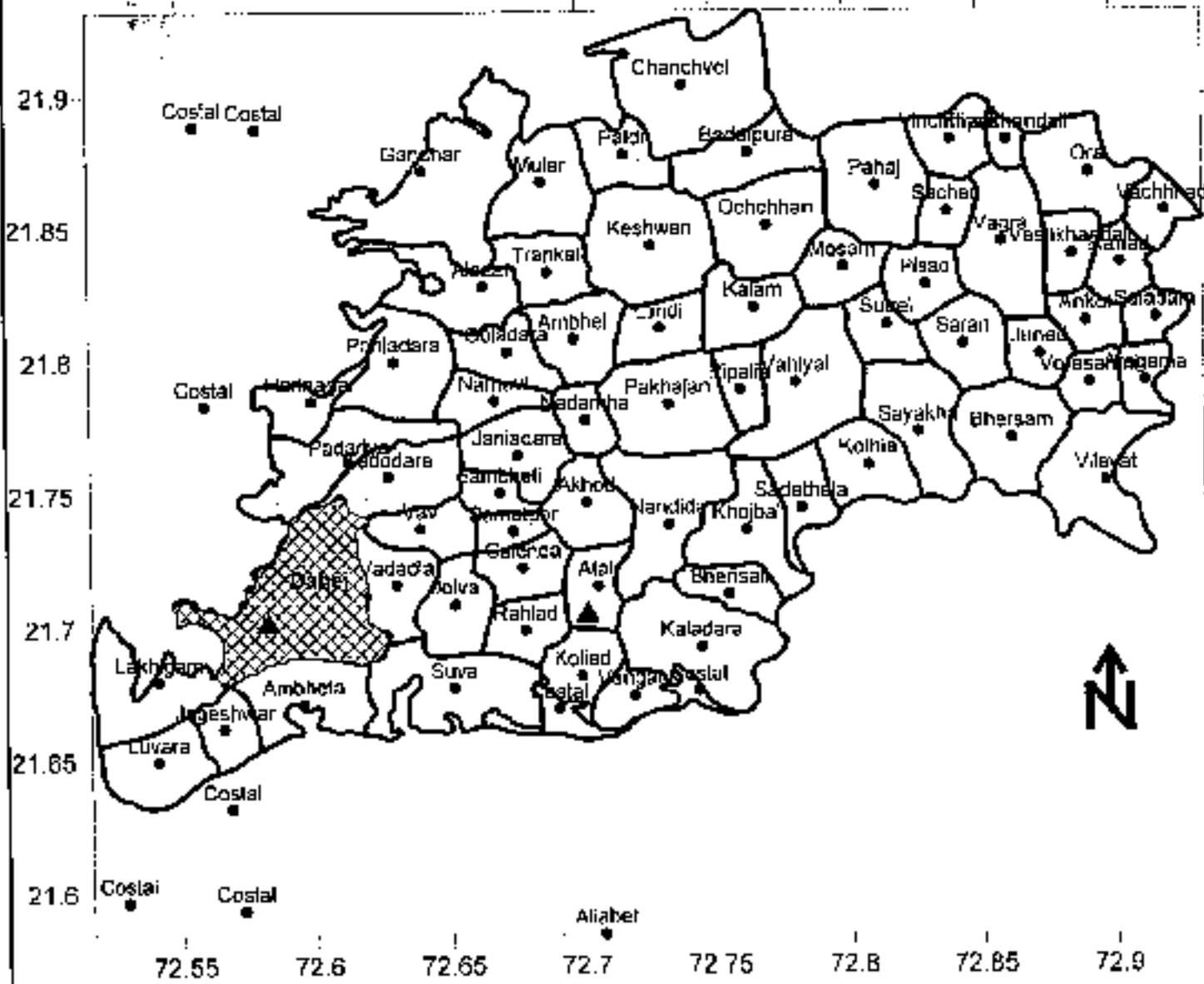
The details of set of bores comprising one piezometer nest to be drilled are mentioned below.

Sr.No.	Bore No.	Bore Detail	Diameter in mm	Depth in Mts.
1	P-1	First aquifer piezometer	150 mm	20.00
2	P-2	Second aquifer piezometer	150 mm	45.00
3	P-3	Third aquifer piezometer	150 mm	60.00

STATEMENT SHOWING WATER LEVEL AND QUALITY OF PIEZOMETERS DRILLED FOR LAST FIVE YEARS

Month/Year	VILLAGE ATAU			VILLAGE DAHEI		
	Water Level	Rise /fall	TDS in PPM	Water Level	Rise /fall	TDS in PPM
May-07	5.41		****	9.00		4010
Oct-07	3.14	2.30	430	7.80	1.20	3830
May-08	5.10		****	9.23		3730
Oct-08	3.30	1.80	440	8.46	0.77	3860
May-09	4.98		380	9.16		4030
Oct-09	3.84	1.14	370	8.64	0.52	3760
May-10	5.70		570	9.50		3960
Oct-10	2.60	3.10	440	6.15	3.35	3920
May-11	6.60		490	9.90		3470
Oct-11	3.00	3.60	290	7.05	2.25	3690
Average		2.39			1.62	

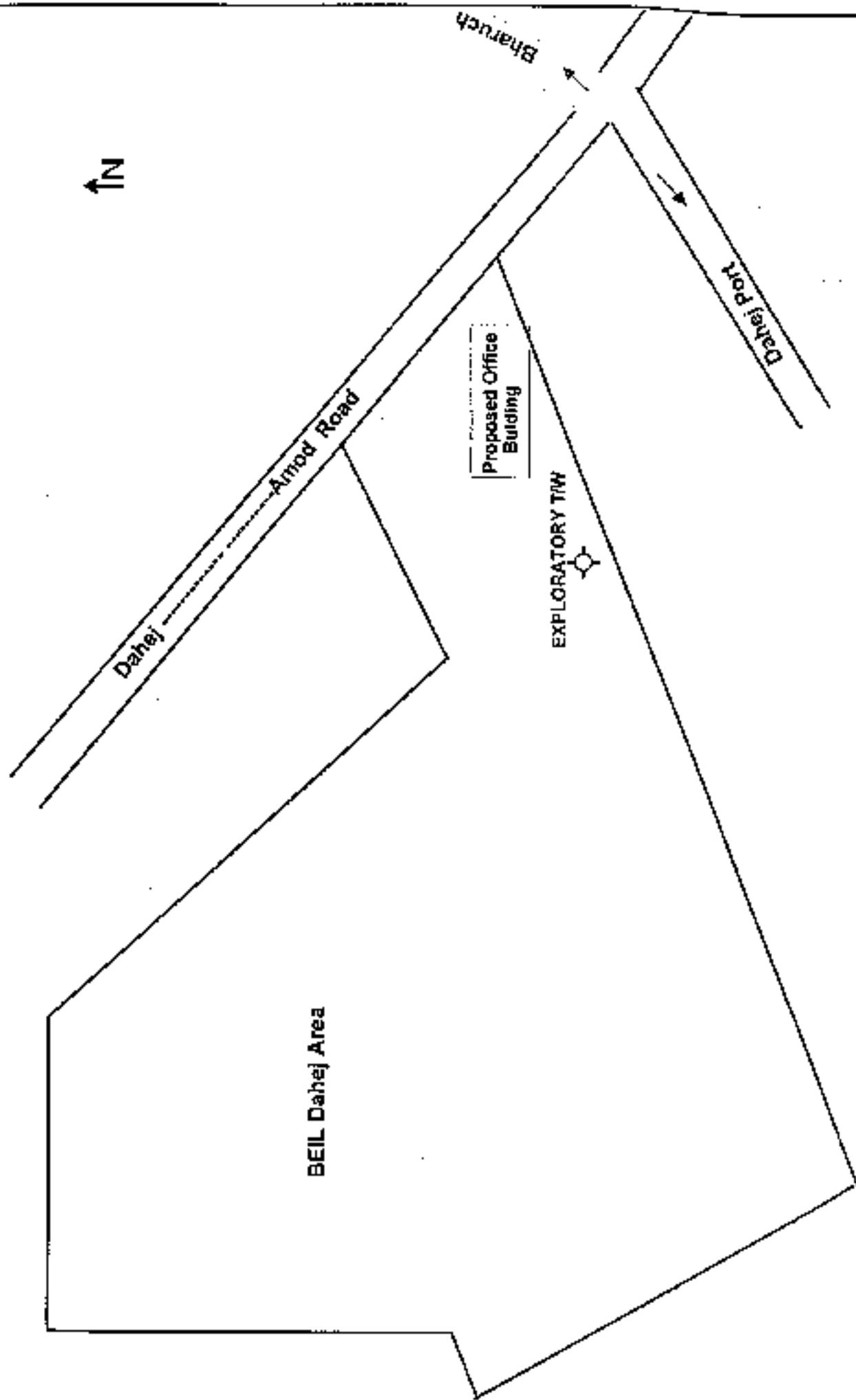
LOCATION PLAN OF VILLAGE DAHEJ TALUKA VAGRA DIST. BHARUCH



INDEX

-  VILLAGE DAHEJ
-  MONITORING PIEZOMETER

LOCATION PLAN FOR PROPOSED EXPLORATORY TUBE WELL AT BEIL SITE DAHEJ - TALUKA - VAGRA DIST. - BHARUCH





INDIAN INSTITUTE OF TECHNOLOGY, DELHI

Department of Civil Engineering

Hauz Khas, New Delhi – 110 016

Dr. Manoj Datta
Professor & Head

Phone: 26591183/26591241 (O)

Fax: 26581117/26862037

Email: mdatta@civil.iitd.ac.in

IITD/CE/MD/2016

4th March 2016

Sub: Technical Review of Secured Landfill of BEIL at Dahej for Hazardous Waste

Overview

The Secured (Hazardous Waste) Landfill Facility of Bharuch Enviro Infrastructure Limited at Dahej was assessed for compliance with HW Landfill Guidelines (HWLG) published by CPCB. The assessment was based on review of design documents, review of drawings, site visit on 16th Feb 2016, inspection of active phase (under construction) and review of records and associated documents.

Review Report

- Landfill Design:** The methodology of design, construction and operation is satisfactory.
- Landfill Layout:** Plan and layout depicts phased operation.
- Landfill Section:** Landfill side slopes, liner and cover provisions are as per design.
- Phased Operation:** Landfill is operated in yearly phases.
- Leachate Quantity:** Generation of leachate is minimized by keeping exposed active area small.
- Liner System:** Liner System is as per HW landfill guidelines. All essential components (including HDPE geomembrane and barrier soil layer) meet minimum requirements as specified.
- Leachate Collection and Removal:** Leachate collection layer, drainage slopes, collection sump, leachate well and other components all comply with HW guidelines
- Leachate Management:** Multiple effect evaporator (offsite).
- Gaseous Emissions Management:** Gas collection layer and passive venting provided in design.
- Final Cover System:** Gas collection layer, barrier layer, HDPE geomembrane, drainage layer, top soil and vegetation grass / rubble + vegetation meet HW guidelines.
- Surface Water Drainage System:** Berms, drainage channels and surface water drain provided adequately
- Slope Stability:** Adequate safety against slippage along interfaces of different layers.

Site Infrastructure: Fencing, office, road, laboratory, drainage system, weighbridge, waste inspection, temporary storage, waste stabilization facilities as per standards

Environmental Monitoring System: Ground water wells installed.

Site Development: Planned in phases.

Record Keeping: Satisfactory.

Waste Inspection: Adequate facilities.

Phase Development and operation: Yearly

Phase Closure: HW cover to be provided on completion of each phase.

Landfill Closure: Progressive closure and joining of cover system with completion of progressive phases.

Vegetative Cover: Local vegetation or grass / rubble with local vegetation

Post Closure Maintenance System: Provision of post-closure funds.

Conclusions

Cells 2 and 5 are observed to be designed in accordance with Hazardous Waste Landfill Guidelines of CPCB and drawings approved vide IIT Delhi consulting project and are ready to receive the waste.



(Dr. Manoj Datta)



INDIAN INSTITUTE OF TECHNOLOGY, DELHI

Department of Civil Engineering

Hauz Khas, New Delhi – 110 016

Dr. Manoj Datta
Professor & Head

Phone: 26591163/26591241 (O)

Fax: 26581117/26882037

Email: mndatta@civil.iitd.ac.in

20/03/2015

IITD/CE/MD/2015/BEIL/Dah

To,
Mr. Ashok Panwani
Bharuch Enviro Infrastructure Limited
Dahaj
Gujarat

Dear Sir,

Kindly refer to the visit of undersigned on 11th March 2015 at your Dahaj site regarding the Cell I of Landfill of Bharuch Enviro Infrastructure Limited.

It is certified that the Cell I of Landfill is satisfactory for receiving hazardous waste in all respect as per CPCB guideline and drawings approved by IIT, Delhi.

Yours sincerely,

(Dr. Manoj Datta)



BHARUCH ENVIRO INFRASTRUCTURE LTD.

(Unit - Dahej)

CIN-U45300GJ1997PLC032696

Date: 20/5/2016
PCB ID NO: 40137

To,
The Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhavan
Gandhinagar

Sub: Submission of Inspection Report and Testing Reports for Construction of Cell:2 & 5 at Plot No:43, GIDC, Dahej.

Dear Sir,

In connection with above subject and telephonic instruction from your office to expedite submission of third party reports.

Please find submitted herewith inspection report of the agency appointed by BEIL (IIT, New Delhi) covering third party certificate, testing reports, photographs, approved drawing, methodology for construction, methodology adopted for construction, summary of test report required by CPCB and executed by BEIL.

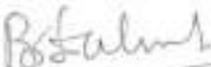
Kindly note that we have submitted status report to office of R.O, Bharuch by email on dated 1/1/2016 and 22/1/2016. (Copy Enclosed).

In view of above you are humbly requested to consider this reports as part of compliance of CPCB guideline for construction Cell: 2 & 5.

Request you to process our application and give us CC & A for Cell: 2 & 5 at the earliest.

Thanking you,

Yours faithfully,
For Bharuch Enviro Infrastructure Limited


B.D. Dalwadi
Chief Executive Office

Encl: As Above

c.c: The Regional Office - GPCB, Bharuch

Post Received
Gujarat Pollution Control Board
BHARUCH
21/5/16

Works Office : Plot No. D-43, Dahej, Amod Road, GIDC Estate, Dahej, Ta-Vagra - 392130, Dist. : Bharuch (Gujarat)
Phones : (02644) 291129 • Email : bhupendra.mahia@uniphos.com
Head Office : Plot No. 9701-16, GIDC Estate, Post Box No. 62, Ankleshwar - 393 002, Dist. : Bharuch (Gujarat)
Phones : (02646) 253135, 225228 • Fax : (02646) 222849 • E-mail : panjwani@uniphos.com
Regd. Office : Plot No. 117-118, GIDC Estate, Ankleshwar - 393 002, Dist. : Bharuch (Gujarat)

Compliance of CPCB Criteria for Hazardous waste landfill

Sr. No.	Conditions	Status
1.	<p>Location Criteria:</p> <ul style="list-style-type: none"> - Lake or Pond : 200 Mtrs - River : 100 Mtrs - Flood plain : 100 years - Highway : 500 Mtrs - Habitation : 500 Mtrs - Public Parks : 500 Mtrs - Critical habitat Area : No landfill - Wet Lands: No landfill - Airport : No Landfill - Water Supply: 500 Mtrs - Coastal Regulation Zone : No landfill - Ground Water table level: < 2 meters below the base 	<p>Complied.</p> <p>Landfill is located in Dahej GIDC Estate fulfilling all the criteria mentioned in the guidelines.</p> <p>Nearest railway station is Bharuch Railway Station, 50 km. Nearest village is Dahej which is about 3.76 Km away from the project site. Nearest Airport is at Vadodara, which is located at a distance of about 75 km from project site. The project site is located about 43.7 km away from National Highway No. 8 & 0.44 km and 33.87 km away from State Highway No 6 and 37 respectively.</p>
2.	<p>Planning And Design criteria:</p> <ol style="list-style-type: none"> 1. Essential Components: <ul style="list-style-type: none"> - Liner System at base and sides of landfill - A leachate collection and treatment facility - Gas collection and treatment facility - Final cover system at top - Surface water drainage system - Environmental monitoring system - Closure and post closure plan 	<p>Complied.</p> <p>Appropriate base and side liners has been provided according to the criteria. Leachate collection wells (planned 7 leachate collection wells, at present there are 2 wells for cell1,2,&5) has been provided for collecting leachate which further send to MEE at BEIL, Ankleshwar unit for the initial 2-3 years. Adequate nos. of vents has been designed for gas collection and monitoring after final covering. Surface water drainage system is provided.</p>

	<p>2. Phased Operation:</p> <ul style="list-style-type: none"> - During the monsoon months the waste may stockpiled in a temporary holding areas (covered with roof). During this period and the landfill may be kept capped with final cover/ intermediate cover and landfill operations suspended to reduce infiltration of rainwater into the landfill. 	<p>Complied.</p> <p>Landfill site operation is being suspended during the 4 months of monsoon. We have separate storage shed of capacity 4000 MT. which is also having same side and base lines system provided with roof. Landfill which is in operation is covered with tarpaulin during these period.</p>
	<p>3. Liner system:</p> <ul style="list-style-type: none"> - Leachate control within a landfill involves the following steps: (a) prevention of migration of leachate from landfill sides and landfill base to the subsoil by suitable liner system; and (b) drainage of leachate collected at the base of a landfill to the side of the landfill and removal of the leachate from within the landfill. 	<p>Complied</p> <p>A proper base and side liners has been provided according to the criteria. Drainage system is also provided to avoid infiltration of surface water.</p>
	<p>4. Leachate Management:</p> <ul style="list-style-type: none"> - Offsite Treatment - Onsite Treatment - Recirculation 	<p>Noted.</p> <p>Leachate collection wells (planned 7 leachate collection wells, at present there are 2 wells for cell1,2,&5) has been provided and collected leachate is treated in MEE at BEIL Dahej site for initial 2-3 years.</p>
	<p>5. Gaseous Emission Management:</p> <ul style="list-style-type: none"> - Controlled passive venting - Controlled collection and treatment 	<p>Noted.</p> <p>Adequate nos. of vents has been designed to collect and monitor generation of gas after final coverage.</p>
	<p>6. Final Cover System</p>	<p>Noted.</p> <p>Final closing will be done and covered with vegetation layer with enhanced surface drainage system. Final coverage system will be done according to Guidelines.</p>
	<p>7. Site Infrastructure:</p> <ul style="list-style-type: none"> - Site Entrance and Fencing. - Administrative and Site Control Offices - Access Roads 	<p>Complied</p> <p>All the facilities like site entrance and fencing, administration, site control</p>

	<ul style="list-style-type: none"> - Waste Inspection and Sampling Facility. - Equipment Workshops and Garages. - Signs and Directions - Water Supply - Lighting - Vehicle Cleaning Facility - Fire Fighting Equipment 	offices, access roads, waste inspection, sampling facility, water supply, lightings, vehicle cleaning facility, firefighting equipment, signs and directions etc. have been provided.
	8. Environment Monitoring System:	Complied Regular monitoring of leachate quality, air quality, and noise is being carried out. Monitoring of ground water, leachate, VOC generation, ambient air monitoring, noise monitoring has been conducted on regular basis.
	9. Closure and post closure maintenance plan:	Noted. Final closing will be done and covered with vegetation layer with enhanced surface drainage system. Final coverage system will be done according to Guidelines.
3.	Waste Acceptance Criteria	Complied On arrival of any waste, it is first analyzed and if it follows GPCB/CPCB waste acceptance criteria then and only then it is accepted.
4.	<p>Construction and operational Criteria:</p> <ul style="list-style-type: none"> - Site Development - Phase development - Phase operation - Phase closure - Landfill closure - Post closure vegetative stabilization 	Complied Proper facilities for site development like record keeping for site manual, site reports, vehicle inspection is provided.
5.	<p>Inspection, Monitoring and record keeping criteria:</p> <ul style="list-style-type: none"> - During construction of liners and covers - During operation - During closure and post closure period - Environmental Monitoring System 	Complied Regular inspections of liners, and covers was being conducted during construction phase of landfill. Adequate environmental monitoring system has been provided.
6.	Financial Assurance Criteria	Complied We have prepared detailed financial estimates for

		construction, operation, and closure and post closure activity of the landfill.
7.	Contingency Plan for Emergency	Complied We are having onsite emergency plan, which is updated on yearly basis and submitted to GPCB, RO. Fire hydrant system (Existing storage capacity 250 KL) and fire extinguishers are provided of capacity.

Receipt Date From: 01-SEP-2019

FINGERPRINT ANALYSIS REPORT - LANDFILL

Receipt Date To: 02-SEP-2019

Sr No	ID	MANIFEST	CUSTOMER	Inward Date	Analysis Date	Waste Type / Category No	Physical State	Product Code	Quantity (KG)	*ANNEALING LOSS	*COMPATIBILITY TEST	*FLAMMABILITY TEST	*LRT TEST	*ODOUR	*PFLT TEST	COMPARISON WITH STD	METAL STABILIZATION REQUIRED	MOISTURE CONTENT	PH
1	fc6e77b547			29-AUG-19 10:56:15	02-Sep-2019 12.17	ETP SLUDGE (34.3)	SOLID	ETP SLUDGE	18410.000		COMPATIBLE	NON-FLAMMABLE	16.6	ODOURLESS	PASS	COMPARABLE	NO	74.32	7.5
2	6aa876166a			29-AUG-19 18:30:13	02-Sep-2019 12.20	ETP SLUDGE (34.3)	SOLID	ETP SLUDGE	23330.000		COMPATIBLE	NON-FLAMMABLE	5.6	ODOURLESS	PASS	COMPARABLE	NO	52.68	7.5
3	dd907c94a0			30-AUG-19 16:48:36	02-Sep-2019 12.27	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	16840.000		COMPATIBLE	NON-FLAMMABLE	5.2	ODOURLESS	NOT PASS	COMPARABLE	NO	52.18	7.5
4	2ffb7bbee			31-AUG-19 08:02:02	01-Sep-2019 10.54	SPENT CATALYST (35.2)	SOLID	SPENT ALLUMINA FOR STABILIZATION	13680.000		COMPATIBLE	NON-FLAMMABLE	0.0	ODOURLESS	PASS	COMPARABLE	YES	7.63	7.5
5	5a84bcb7c7			31-AUG-19 08:05:46	01-Sep-2019 10.58	SPENT CATALYST (35.2)	SOLID	SPENT ALLUMINA FOR STABILIZATION	10870.000		COMPATIBLE	NON-FLAMMABLE	0.0	ODOURLESS	PASS	COMPARABLE	YES	6.25	7.5
6	9b72861ff7			31-AUG-19 08:42:45	02-Sep-2019 12.35	PROCESS WASTE SLUDGE/RESIDUES CONTAINING ACID OR OTHER TOXIC METALS OR ORGANIC COMPLEXES (26.1)	SOLID	IRON SLUDGE	21275.000		COMPATIBLE	NON-FLAMMABLE	6.2	ODOURLESS	PASS	COMPARABLE	NO	61.12	7.5
7	5c4f0027b7			31-AUG-19 10:37:37	02-Sep-2019 12.30	ETP SLUDGE (34.3)	SOLID	CHEMICAL SLUDGE	22260.000		COMPATIBLE	NON-FLAMMABLE	17.4	ODOURLESS	NOT PASS	COMPARABLE	NO	68.70	7.5
8	b82db65815			31-AUG-19 14:22:38	01-Sep-2019 21.14	PROCESS RESIDUE WASTE (29.1)	SOLID	SALT WASTE	18680.000		COMPATIBLE	NON-FLAMMABLE	0.0	ODOURLESS	PASS	COMPARABLE	NO	28.34	7.5
9	f659ff15f5			31-AUG-19 15:52:02	01-Sep-2019 21.06	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	18185.000		COMPATIBLE	NON-FLAMMABLE	9.5	ODOURLESS	NOT PASS	COMPARABLE	NO	68.74	7.5

Receipt Date From: 01-SEP-2019

FINGERPRINT ANALYSIS REPORT - LANDFILL

Receipt Date To: 02-SEP-2019

Sr No	ID	MANIFEST	CUSTOMER	Inward Date	Analysis Date	Waste Type / Category No	Physical State	Product Code	Quantity (KG)	*ANNEALING LOSS	*COMPATIBILITY TEST	*FLAMMABILITY TEST	*LRT TEST	*ODOUR	*PFLT TEST	COMPARISON WITH STD	METAL STABILIZATION REQUIRED	MOISTURE CONTENT	PH
10	e1f237f9e2			31-AUG-19 15:55:43	01-Sep-2019 21.10	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	16340.000		COMPATIBLE	NON-FLAMMABLE	6.2	ODOURLESS	PASS	COMPARABLE	NO	59.60	7.5
11	8f21ed0334			31-AUG-19 15:58:51	01-Sep-2019 21.08	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	16290.000		COMPATIBLE	NON-FLAMMABLE	5.4	ODOURLESS	NOT PASS	COMPARABLE	NO	55.66	7.5
12	0680ec2b2b			31-AUG-19 17:56:13	01-Sep-2019 21.11	ETP SLUDGE (34.3)	SOLID	ETP SLUDGE	22520.000		COMPATIBLE	NON-FLAMMABLE	0.0	ODOURLESS	PASS	COMPARABLE	NO	12.08	7.5
13	47a561e052			31-AUG-19 18:00:06	01-Sep-2019 21.13	ETP SLUDGE (34.3)	SOLID	ETP SLUDGE	14390.000		COMPATIBLE	NON-FLAMMABLE	30.2	ODOURLESS	NOT PASS	COMPARABLE	NO	81.34	7.5
14	5fc2c262de			31-AUG-19 18:06:11	01-Sep-2019 21.13	ETP SLUDGE (34.3)	SOLID	ETP SLUDGE	15620.000		COMPATIBLE	NON-FLAMMABLE	28.4	ODOURLESS	NOT PASS	COMPARABLE	NO	78.91	7.5
15	789772989d			31-AUG-19 18:13:50	01-Sep-2019 21.12	ETP SLUDGE (34.3)	SOLID	CHEMICAL SLUDGE	24150.000		COMPATIBLE	NON-FLAMMABLE	11.2	ODOURLESS	PASS	COMPARABLE	NO	64.08	7.5
16	8ab881d648			31-AUG-19 21:53:39	01-Sep-2019 11.04	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	1500.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
17	cbe3ea080b			01-SEP-19 10:02:46	01-Sep-2019 11.02	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	2060.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
18	7a4d81335a			01-SEP-19 10:04:11	01-Sep-2019 11.03	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	1020.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		

Receipt Date From: 01-SEP-2019

FINGERPRINT ANALYSIS REPORT - LANDFILL

Receipt Date To: 02-SEP-2019

Sr No	ID	MANIFEST	CUSTOMER	Inward Date	Analysis Date	Waste Type / Category No	Physical State	Product Code	Quantity (KG)	*ANNEALING LOSS	*COMPATIBILITY TEST	*FLAMMABILITY TEST	*LRT TEST	*ODOUR	*PFLT TEST	COMPARISON WITH STD	METAL STABILIZATION REQUIRED	MOISTURE CONTENT	PH
19	69fb8ec91c			01-SEP-19 10:06:57	01-Sep-2019 11.05	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	1150.00 0		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
20	feb5b425a5			01-SEP-19 10:10:02	01-Sep-2019 11.06	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	1230.00 0		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
21	571078e047			01-SEP-19 10:11:18	01-Sep-2019 11.07	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	1600.00 0		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
22	c59b24c0ae			01-SEP-19 10:28:40	01-Sep-2019 21.15	ETP SLUDGE (34.3)	SOLID	ETP SLUDGE	21950.00 00		COMPATIBLE	NON-FLAMMABLE	8.2	ODOURLESS	NOT PASS	COMPARABLE	NO	68.74	7.5
23	06e59e2d4d			01-SEP-19 10:30:54	01-Sep-2019 21.18	ETP SLUDGE (34.3)	SOLID	ETP SLUDGE	14730.00 00		COMPATIBLE	NON-FLAMMABLE	30.2	ODOURLESS	NOT PASS	COMPARABLE	NO	83.32	7.5
24	93a16a9647			01-SEP-19 10:33:33	01-Sep-2019 21.16	ETP SLUDGE (34.3)	SOLID	ETP SLUDGE	17850.00 00		COMPATIBLE	NON-FLAMMABLE	11.4	ODOURLESS	NOT PASS	COMPARABLE	NO	70.81	7.5
25	a4a225d72e			01-SEP-19 10:36:30	01-Sep-2019 21.22	ETP SLUDGE (34.3)	SOLID	ETP SLUDGE	17880.00 00		COMPATIBLE	NON-FLAMMABLE	0.0	ODOURLESS	PASS	COMPARABLE	NO	11.38	7.5
26	2ead039164			01-SEP-19 10:43:55	01-Sep-2019 21.19	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	19370.00 00		COMPATIBLE	NON-FLAMMABLE	0.0	ODOURLESS	PASS	COMPARABLE	NO	6.78	7.5
27	79d7d43044			01-SEP-19 11:03:47	01-Sep-2019 21.21	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	10700.00 00		COMPATIBLE	NON-FLAMMABLE	0.0	ODOURLESS	PASS	COMPARABLE	NO	9.15	7.5

Receipt Date From: 01-SEP-2019

FINGERPRINT ANALYSIS REPORT - LANDFILL

Receipt Date To: 02-SEP-2019

Sr No	ID	MANIFEST	CUSTOMER	Inward Date	Analysis Date	Waste Type / Category No	Physical State	Product Code	Quantity (KG)	*ANNEALING LOSS	*COMPATIBILITY TEST	*FLAMMABILITY TEST	*LRT TEST	*ODOUR	*PFLT TEST	COMPARISON WITH STD	METAL STABILIZATION REQUIRED	MOISTURE CONTENT	PH
28	df1fb6b589			01-SEP-19 11:06:47	01-Sep-2019 21.20	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	10090.000		COMPATIBLE	NON-FLAMMABLE	0.0	ODOURLESS	PASS	COMPARABLE	NO	15.27	7.5
29	1f0e9a740f			01-SEP-19 11:13:42	01-Sep-2019 21.19	ETP SLUDGE (34.3)	SOLID	ETP SLUDGE	13590.000		COMPATIBLE	NON-FLAMMABLE	0.0	ODOURLESS	PASS	COMPARABLE	NO	10.12	7.5
30	2d7f7d3325			01-SEP-19 15:53:32	01-Sep-2019 21.35	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	1630.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
31	bd8f9e05eb			02-SEP-19 08:25:06	02-Sep-2019 10.38	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	1070.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
32	488559cb8b			02-SEP-19 09:07:01	02-Sep-2019 10.36	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	1200.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
33	6260ad260e			02-SEP-19 09:09:50	02-Sep-2019 10.37	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	1920.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
34	d150a678f4			02-SEP-19 09:34:14	02-Sep-2019 10.38	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	2420.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
35	4ff537ea36			02-SEP-19 09:38:52	02-Sep-2019 23.35	ETP SLUDGE (34.3)	SOLID	CHEMICAL SLUDGE	19000.000		COMPATIBLE	NON-FLAMMABLE	17.0	ODOURLESS	PASS	COMPARABLE	NO	70.63	7.5
36	c57bf1f21f			02-SEP-19 09:44:00	02-Sep-2019 23.37	ETP SLUDGE (34.3)	SOLID	CHEMICAL SLUDGE	19810.000		COMPATIBLE	NON-FLAMMABLE	12.4	ODOURLESS	PASS	COMPARABLE	NO	65.24	7.5

Receipt Date From: 01-SEP-2019

FINGERPRINT ANALYSIS REPORT - LANDFILL

Receipt Date To: 02-SEP-2019

Sr No	ID	MANIFEST	CUSTOMER	Inward Date	Analysis Date	Waste Type / Category No	Physical State	Product Code	Quantity (KG)	*ANNEALING LOSS	*COMPATIBILITY TEST	*FLAMMABILITY TEST	*LRT TEST	*ODOUR	*PFLT TEST	COMPARISON WITH STD	METAL STABILIZATION REQUIRED	MOISTURE CONTENT	PH
37	63eef883a5			02-SEP-19 10:36:25	02-Sep-2019 13.30	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	580.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
38	76496773c7			02-SEP-19 11:19:38	02-Sep-2019 14.29	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	1890.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
39	3973654316			02-SEP-19 12:17:32	02-Sep-2019 14.32	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	580.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
40	66171e3847			02-SEP-19 14:09:47	02-Sep-2019 14.31	PROCESS RESIDUE WASTE (29.1)	SOLID	MEE SALT	1790.000		COMPATIBLE	NON-FLAMMABLE		ODOURLESS	PASS	COMPARABLE	NO		
41	27faf6fee9			02-SEP-19 15:13:23	02-Sep-2019 23.37	PROCESS RESIDUE WASTE (29.1)	SOLID	SPRAY DRYER SALT	8590.000		COMPATIBLE	NON-FLAMMABLE	0.0	ODOURLESS	PASS	COMPARABLE	NO	10.12	7.5
42	ce7dd53f5b			02-SEP-19 15:50:16	02-Sep-2019 23.38	PROCESS RESIDUE WASTE (29.1)	SOLID	SPRAY DRYER SALT	10090.000		COMPATIBLE	NON-FLAMMABLE	0.0	ODOURLESS	PASS	COMPARABLE	NO	7.58	7.5



o/c

BEIL INFRASTRUCTURE LIMITED
(formerly known as Bharuch Enviro Infrastructure Limited)
Unit - Dahej

Ref.: BEIL/DAHEJ/Jan/19-20/

Date: 24.07.2019

PCB ID: 40137

The Regional Officer,
Gujarat Pollution Control Board
Bharuch-392 002,
Dist: Bharuch, GUJARAT

Kind Attn: - Shri F.M.Modi

Dear Sir,

Sub: - Submission of Information as per the Annexure-IV of Protocol for performance Evaluation and Monitoring of the Common Hazardous Waste Treatment Storage and Disposal Facilities.

We are submitting herewith the necessary information as per the requirement of Annexure-IV of the Protocol for the period of April-2019 to June-2019.

Kindly receive the same and acknowledge.

Thanking you.

Yours faithfully,
For Bharuch Enviro Infrastructure Ltd

Authorized signatory

CC:

1. Member Secretary, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, New Delhi - 110 032.
2. Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi - 110 003.
3. Member Secretary, Gujarat Pollution Control Board, Sector-10A, Paryavaran Bhavan, Gandhinagar-382 010.

Post Received
Gujarat Pollution Control Board
BHARUCH.

**TEST CERTIFICATE FOR SOIL**

Customer's Name and Address :

**M/s. BEIL INFRASTRUCTURE LTD,
PLOT NO.D-43, GIDC, DAHEJ,
DAHEJ-392130, TAL :- VAGRA,
DISIT: BHARUCH**

Test Report No. : **PL/BLD 0009**
Issue Date : **05/06/2019**
Customer's Ref. : **W.O.No. 8519200071**
Dated: **29.04.2019**

Description of Sample : **Soil Sample**
Date of Sampling : **25/05/2019** Quantity/No. of Samples : **02 Kg/Four**
Sampling By : **Pollucon Laboratories Pvt. Ltd.** Sampling Procedure : **USEPA/IS 2720 etc.**
Sample Receipt Date : **27/05/2019** Protocol (purpose) : **USEPA/IS 2720 etc.**
Packing/ Seal : **Sealed** Lab ID : **BLD/1905/09 to 12**
Date of Starting of Test : **27/05/2019** Test Parameters : **As per table**
Test Method : **USEPA/IS 2720 etc.** Date of Completion of Test : **05/06/2019**

TEST RESULT

SR. NO.	TEST PARAMETERS	UNIT	RESULT			
			Near EB -1	Opp. Salt Farm	Near EB -2	Behind Teqrosh Company
1	pH	--	7.89	8.73	9.31	9.71
2	Conductivity	mmho/cm	58.4	55.36	58.89	53.2
3	TDS	gm/kg	38.1	35.4	38.8	34.9
4	TOC	%	0.35	0.41	0.24	0.12
5	Fluoride	mg/kg	0.5	0.3	0.6	0.25
6	Lead	mg/kg	ND*	ND*	ND*	ND*
7	Cadmium	mg/kg	ND*	ND*	ND*	ND*
8	Copper	mg/kg	93.4	87.96	92.13	74.83
9	Chromium	mg/kg	13.7	12.57	18.76	13.26
10	Mercury	mg/kg	ND*	ND*	ND*	ND*
11	Nickel	mg/kg	54.53	57.96	59.7	56.52
12	Cyanide	mg/kg	ND*	ND*	ND*	ND*
13	Arsenic	mg/kg	ND*	ND*	ND*	ND*
14	Manganese	mg/kg	894	860	820	726
15	Zinc	mg/kg	80.5	87.9	90	68.5
16	PAH	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1

ND*: Not Detected

Macky Suraliwala
Sr. Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

● FSSAI Approved Lab

● Recognised by MoEF, New Delhi Under
Sec. 12 of Environmental (Protection) Act-1986● GPCB approved
schedule II auditor

● ISO 14001

● OHSAS 18001

● ISO 9001

"Pollucon House", Plot No. 5 & 6, Opp. Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

**TEST CERTIFICATE FOR SOIL**

QF/7.8/38-EX

Page: 1 of 1

Customer's Name and Address :

M/s. BEIL INFRASTRUCTURE LTD, PLOT NO.D-43, GIDC, DAHEJ, DAHEJ-392130, TAL :- VAGRA, DISIT: BHARUCH	Test Report No. : PL/BLD 0010
	Issue Date : 05/06/2019
	Customer's Ref. : W.O.No. 8519200071 Dated:29.04.2019

Description of Sample : Soil Sample	Quantity/No. of Samples : 02 Kg/Two
Date of Sampling : 25/05/2019	Sampling Procedure : USEPA/IS 2720 etc.
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : USEPA/IS 2720 etc.
Sample Receipt Date : 27/05/2019	Lab ID : BLD/1905/13 & 14
Packing/ Seal : Sealed	Test Parameters : As per table
Date of Starting of Test : 27/05/2019	Date of Completion of Test : 05/06/2019
Test Method : USEPA/IS 2720 etc.	

TEST RESULT

SR. NO.	TEST PARAMETERS	UNIT	RESULT	
			Opp. Khetan Ind.	Near ADM Building
1	pH	--	8.61	8.72
2	Conductivity	mmho/cm	62.82	66.8
3	TDS	gm/kg	42.2	43.6
4	TOC	%	0.28	0.30
5	Fluoride	mg/kg	0.4	0.45
6	Lead	mg/kg	ND*	ND*
7	Cadmium	mg/kg	ND*	ND*
8	Copper	mg/kg	141	48.2
9	Chromium	mg/kg	31.26	23.1
10	Mercury	mg/kg	ND*	ND*
11	Nickel	mg/kg	59.6	54.91
12	Cyanide	mg/kg	ND*	ND*
13	Arsenic	mg/kg	ND*	ND*
14	Manganese	mg/kg	819	830
15	Zinc	mg/kg	88	77.2
16	PAH	mg/kg	< 0.1	< 0.1

ND*: Not Detected



Macky Suraliwala
Sr. Scientist



Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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- ISO 9001

"Pollucon House", Plot No. 5 & 6, Opp. Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart, Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016805174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

**TEST REPORT**

QF/7.8/38-WT

Customer's Name and Address :

Page: 1 of 1

**M/s. BEIL INFRASTRUCTURE LTD,
PLOT NO.D-43, GIDC, DAHEJ,
DAHEJ-392130, TAL :- VAGRA,
DISIT: BHARUCH**

Test Report No. : **PL/BLD 0003**
Issue Date : **06/06/2019**
Customer's Ref. : **W.O.No. 8519200071
Dated:29.04.2019**

Sampling Location : **Near Gram Panchayat**

Description of Sample : **Ground Water sample** Quantity/No. of Samples : **05 Lit./One**
Date of Sampling : **25/05/2019** Sampling Procedure : **IS:3025**
Sampling by : **Pollucon Laboratories Pvt. Ltd.** Protocol (purpose) : **QC/Env. Monitoring**
Sample Receipt Date : **27/05/2019** Lab ID. : **BLD/1905/06**
Packing/ Seal : **Sealed** Test Parameters : **As per table**
Date of Starting of Test : **27/05/2019** Date of Completion of Test : **06/06/2019**

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	METHOD ADOPTED
1	pH	--	8.08	IS 3025 (Part - 11) 2017 Electrometric Method
2	Colour	Hazen	2.0	IS 3025 (Part - 4) 2017
3	Conductivity	mmhos/cm	1.53	IS 3025 (Part - 14) 2019
4	Turbidity	NTU	2.18	APHA (23 rd Edition 2017) 2130 B
5	Total Suspended Solids	mg/L	BDL*	IS 3025 (Part - 17) 2017
6	Total Dissolved Solids	mg/L	986	IS 3025 (Part-16) 2017
7	TOC	mg/L	BDL*	APHA (23 rd Edition 2017) 5310 B
8	COD	mg/L	BDL*	APHA (23 rd Edition 2017) 5220 B Open Reflux Method
9	Total Hardness	mg/L	328	IS 3025 (Part - 21) 2019 EDTA Method
10	Total Alkalinity	mg/L	128	IS 3025 (Part - 23) 2019
11	Total Kjeldahl Nitrogen	mg/L	0.62	IS :3025 (Part-34) :1988 Clause 2.3 (Reaffirmed 2009)
12	Chlorides as Cl	mg/L	290	IS 3025 (Part - 32) 2019 Argentometric Method
13	Sulphates as SO ₄	mg/L	66.86	IS 3025 (Part-24) 2019
14	Nitrate	mg/L	BDL*	IS 3025 (Part-34) 2019 Chromotropic Acid Method
15	Lead as Pb	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
16	Cadmium as Cd	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
17	Copper as Cu	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
18	Total Chromium	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
19	Mercury as Hg	mg/L	BDL*	IS 3025 (Part-48) 2019
20	Nickel as Ni	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
21	Cyanides as CN	mg/L	BDL*	APHA (23 rd Edition 2017) 4500 CN E Colorimetric Method
22	Arsenic as As	mg/L	BDL*	APHA (23 rd Edition 2017) 3114 B
23	Manganese as Mn	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
24	Iron as Fe	mg/L	0.11	APHA (23 rd Edition 2017) 3111 B
25	Zinc as Zn	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
26	Fluorides as F	mg/L	0.13	APHA (23 rd Edition 2017) 4500 F D SPANOS Method
27	Pesticides**	µg/L	BDL*	USEPA 508 1995/ USEPA 525.2 1995/ USEPA 532 2000

BDL*: Below Detection Limit, Minimum Detection Limit: Total Suspended Solids:5.0 mg/L, TOC: 1.0 mg/L, Lead as Pb: 0.005 mg/L, Cadmium as Cd: 0.004 mg/L, Copper as Cu: 0.02, Total Chromium: 0.025 mg/L, Mercury as Hg: 0.001 mg/L, Nickel as Ni: 0.02mg/L, Arsenic as As: 0.1 mg/L, Cyanides as CN: 0.001 mg/L, Manganese as Mn:0.03 mg/L, Zinc: 0.05mg/L, Pesticides: 0.1 µg/L **attached pesticides list.

Macky Suraliwala
Sr. Scientist

Dr. Arun Bajpai
Lab Manager(Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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- Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986
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Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

**TEST REPORT**

QF/7.8/38-WT

Customer's Name and Address :

Page: 1 of 1

**M/s. BEIL INFRASTRUCTURE LTD,
PLOT NO.D-43, GIDC, DAHEJ,
DAHEJ-392130, TAL :- VAGRA,
DISIT: BHARUCH**

Test Report No. : **PL/BLD 0004**
Issue Date : **06/06/2019**
Customer's Ref. : **W.O.No. 8519200071**
Dated:29.04.2019

Sampling Location : **Inside Mandir**

Description of Sample : **Ground Water sample** Quantity/No. of Samples : **05 Lit./One**
Date of Sampling : **25/05/2019** Sampling Procedure : **IS:3025**
Sampling by : **Pollucon Laboratories Pvt. Ltd.** Protocol (purpose) : **QC/Env. Monitoring**
Sample Receipt Date : **27/05/2019** Lab ID. : **BLD/1905/07**
Packing/ Seal : **Sealed** Test Parameters : **As per table**
Date of Starting of Test : **27/05/2019** Date of Completion of Test : **06/06/2019**

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	METHOD ADOPTED
1	pH	--	8.04	IS 3025 (Part - 11) 2017 Electrometric Method
2	Colour	Hazen	2	IS 3025 (Part - 4) 2017
3	Conductivity	mmhos/cm	1,418	IS 3025 (Part - 14) 2019
4	Turbidity	NTU	0.35	APHA (23 rd Edition 2017) 2130 B
5	Total Suspended Solids	mg/L	BDL*	IS 3025 (Part - 17) 2017
6	Total Dissolved Solids	mg/L	926	IS 3025 (Part-16) 2017
7	TOC	mg/L	BDL*	APHA (23 rd Edition 2017) 5310 B
8	COD	mg/L	BDL*	APHA (23 rd Edition 2017) 5220 B Open Reflux Method
9	Total Hardness	mg/L	312	IS 3025 (Part - 21) 2019 EDTA Method
10	Total Alkalinity	mg/L	124	IS 3025 (Part - 23) 2019
11	Total Kjeldahl Nitrogen	mg/L	0.59	IS :3025 (Part-34) :1988 Clause 2.3 (Reaffirmed 2009)
12	Chlorides as Cl	mg/L	269	IS 3025 (Part - 32) 2019 Argentometric Method
13	Sulphates as SO ₄	mg/L	47.51	IS 3025 (Part-24) 2019
14	Nitrate	mg/L	BDL*	IS 3025 (Part-34) 2019 Chromotropic Acid Method
15	Lead as Pb	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
16	Cadmium as Cd	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
17	Copper as Cu	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
18	Total Chromium	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
19	Mercury as Hg	mg/L	BDL*	IS 3025 (Part-48) 2019
20	Nickel as Ni	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
21	Cyanides as CN	mg/L	BDL*	APHA (23 rd Edition 2017) 4500 CN E Colorimetric Method
22	Arsenic as As	mg/L	BDL*	APHA (23 rd Edition 2017) 3114 B
23	Manganese as Mn	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
24	Iron as Fe	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
25	Zinc as Zn	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
26	Fluorides as F	mg/L	0.25	APHA (23 rd Edition 2017) 4500 F D SPANDS Method
27	Pesticides**	µg/L	BDL*	USEPA 508 1995/ USEPA 525.2 1995/ USEPA 532 2000

BDL* Below Detection Limit, Minimum Detection Limit: Total Suspended Solids:5.0 mg/L, TOC: 1.0 mg/L, Lead as Pb: 0.005 mg/L, Cadmium as Cd: 0.004 mg/L, Copper as Cu: 0.02 mg/L, Total Chromium : 0.025 mg/L, Mercury as Hg: 0.001 mg/L, Nickel as Ni: 0.02mg/L, Arsenic as As: 0.1 mg/L, Cyanides as CN: 0.001 mg/L, Manganese as Mn:0.03 mg/L, Zinc: 0.06mg/L, Pesticides : 0.1 µg/L. **attached pesticides list.

Macky Suraliwala
Sr. Scientist

Dr. Arun Bajpai
Lab Manager(Q)

Note: This report is subject to terms & conditions mentioned overleaf.

- FSSAI Approved Lab
- Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986
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- ISO 14001
- OHSAS 18001
- ISO 9001

"Pollucon House", Plot No. 5 & 6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart, Navjivan Circle,Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

**TEST REPORT**

QF/7.8/38-WT

Page: 1 of 1

Customer's Name and Address :

**M/s. BEIL INFRASTRUCTURE LTD,
PLOT NO.D-43, GIDC, DAHEJ,
DAHEJ-392130, TAL :- VAGRA,
DISIT: BHARUCH**

Test Report No. : **PL/BLD 0005**Issue Date : **06/06/2019**Customer's Ref. : **W.O.No. 8519200071
Dated:29.04.2019**Sampling Location : **Near Bus Station**

Description of Sample : **Ground Water sample** Quantity/No. of Samples : **05 Lit./One**
Date of Sampling : **25/05/2019** Sampling Procedure : **IS:3025**
Sampling by : **Pollucon Laboratories Pvt. Ltd.** Protocol (purpose) : **QC/Env. Monitoring**
Sample Receipt Date : **27/05/2019** Lab ID. : **BLD/1905/08**
Packing/ Seal : **Sealed** Test Parameters : **As per table**
Date of Starting of Test : **27/05/2019** Date of Completion of Test : **06/06/2019**

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	METHOD ADOPTED
1	pH	--	7.43	IS 3025 (Part - 11) 2017 Electrometric Method
2	Colour	Hazen	2	IS 3025 (Part - 4) 2017
3	Conductivity	mmhos/cm	1.42	IS 3025 (Part - 14) 2019
4	Turbidity	NTU	0.02	APHA (23 rd Edition 2017) 2130 B
5	Total Suspended Solids	mg/L	BDL*	IS 3025 (Part - 17) 2017
6	Total Dissolved Solids	mg/L	930	IS 3025 (Part-16) 2017
7	TOC	mg/L	BDL*	APHA (23 rd Edition 2017) 5310 B
8	COD	mg/L	BDL*	APHA (23 rd Edition 2017) 5220 B Open Reflux Method
9	Total Hardness	mg/L	324	IS 3025 (Part - 21) 2019 EDTA Method
10	Total Alkalinity	mg/L	124	IS 3025 (Part - 23) 2019
11	Total Kjeldahl Nitrogen	mg/L	0.48	IS 3025 (Part-34) :1968 Clause 2.3 (Reaffirmed 2009)
12	Chlorides as Cl	mg/L	309	IS 3025 (Part - 32) 2019 Argentometric Method
13	Sulphates as SO ₄	mg/L	66.26	IS 3025 (Part-24) 2019
14	Nitrate	mg/L	BDL*	IS 3025 (Part-34) 2019 Chromotropic Acid Method
15	Lead as Pb	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
16	Cadmium as Cd	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
17	Copper as Cu	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
18	Total Chromium	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
19	Mercury as Hg	mg/L	BDL*	IS 3025 (Part-48) 2019
20	Nickel as Ni	mg/L	BDL*	APHA (23 rd Edition 2017) 4500 CN E
21	Cyanides as CN	mg/L	BDL*	Colorimetric Method
22	Arsenic as As	mg/L	BDL*	APHA (23 rd Edition 2017) 3114 B
23	Manganese as Mn	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
24	Iron as Fe	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
25	Zinc as Zn	mg/L	BDL*	APHA (23 rd Edition 2017) 3111 B
26	Fluorides as F	mg/L	0.49	APHA (23 rd Edition 2017) 4500 F D SPANDS Method
27	Pesticides**	µg/L	BDL*	USEPA 508 1995/ USEPA 525.2 1995/ USEPA 532 2000

BDL*: Below Detection Limit, Minimum Detection Limit: Total Suspended Solids: 2.0 mg/l, Lead as Pb: 0.005 mg/l, Cadmium as Cd: 0.004 mg/l, Copper as Cu: 0.02, Total Chromium: 0.025 mg/l, Mercury as Hg: 0.001 mg/l, Arsenic as As: 0.1 mg/l, Cyanides as CN: 0.001 mg/l, Zinc: 0.06 mg/l, Pesticides: 0.1 µg/L. **attached pesticides list.

Macky Suraliwala
Sr. Scientist

Dr. Arun Bajpai
Lab Manager(Q)

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**TEST REPORT**

QF/7.8/38-WT

Customer's Name and Address :

Page: 1 of 1

M/s. BEIL INFRATSTRUCTURE LTD, PLOT NO.D-43, GIDC, DAHEJ, DAHEJ-392130, TAL :- VAGRA, DISIT: BHARUCH	Test Report No. : PL/BLD 0013 Issue Date : 16/09/2019 Customer's Ref. : W.O.No. 85192000040 Dated:19.04.2019
Sampling Location : Near Gram Panchayat	
Description of Sample : Ground Water sample	Quantity/No. of Samples : 05 Lit./One
Date of Sampling : 05/09/2019	Sampling Procedure : IS:3025
Sampling by : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : QC/Env. Monitoring
Sample Receipt Date : 06/09/2019	Lab ID. : BLD/1909/06
Packing/ Seal : Sealed	Test Parameters : As per table
Date of Starting of Test : 06/09/2019	Date of Completion of Test : 16/09/2019

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	METHOD ADOPTED
1	pH	--	8.08	IS 3025 (Part - 11) 2017 Electrometric Method
2	Colour	Hazen	2.0	IS 3025 (Part - 4) 2017
3	Conductivity	mmhos/cm	0.906	IS 3025 (Part - 14) 2019
4	Turbidity	NTU	3.76	APHA (23 rd Edition 2017) 2130 B
5	Total Suspended Solids	mg/L	5.0	IS 3025 (Part - 17) 2017
6	Total Dissolved Solids	mg/L	564	IS 3025 (Part-16) 2017
7	TOC	mg/L	2.0	APHA (23 rd Edition 2017) 5310 B
8	COD	mg/L	8.0	APHA (23 rd Edition 2017) 5220 B Open Reflux Method
9	Total Hardness	mg/L	160	IS 3025 (Part - 21) 2019 EDTA Method
10	Total Alkalinity	mg/L	92	IS 3025 (Part - 23) 2019
11	Total Kjeldahl Nitrogen	mg/L	0.83	IS :3025 (Part-34) :1988 Clause 2.3 (Reaffirmed 2009)
12	Chlorides as Cl	mg/L	48	IS 3025 (Part - 32) 2019 Argentometric Method
13	Sulphates as SO ₄	mg/L	14	IS 3025 (Part-24) 2019
14	Nitrate	mg/L	ND*	IS 3025 (Part-34) 2019 Chromotropic Acid Method
15	Lead as Pb	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
16	Cadmium as Cd	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
17	Copper as Cu	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
18	Total Chromium	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
19	Mercury as Hg	mg/L	ND*	IS 3025 (Part-48) 2019
20	Nickel as Ni	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
21	Cyanides as CN	mg/L	ND*	APHA (23 rd Edition 2017) 4500 CN E Colorimetric Method
22	Arsenic as As	mg/L	ND*	APHA (23 rd Edition 2017) 3114 B
23	Manganese as Mn	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
24	Iron as Fe	mg/L	0.079	APHA (23 rd Edition 2017) 3111 B
25	Zinc as Zn	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
26	Fluorides as F	mg/L	0.35	APHA (23 rd Edition 2017) 4500 F D SPANDS Method
27	Pesticides**	µg/L	ND*	USEPA 508 1995/ USEPA 525.2 1995/ USEPA 532 2000

ND* : Not Detected. BDL* : Below Detection Limit, Minimum Detection Limit: Total Suspended Solids 5.0 mg/L, TOC: 1.0 mg/L, Nitrate: 0.5 mg/L, Lead as Pb : 0.005 mg/L, Cadmium as Cd : 0.004 mg/L, Copper as Cu : 0.02, Total Chromium : 0.025 mg/L, Mercury as Hg: 0.001 mg/L, Nickel as Ni: 0.02mg/L, Arsenic as As: 0.1 mg/L, Cyanides as CN: 0.001 mg/L, Manganese as Mn:0.03 mg/L, Zinc 0.05mg/L, Pesticides : 0.1 µg/L. **attached pesticides list.

Macky Suraiwala
Sr. Scientist

Dr. Arun Bajpai
Lab Manager(Q)

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**TEST REPORT**

QF/7.8/38-WT

Customer's Name and Address :

Page: 1 of 1

**M/s. BEIL INFRATSTRUCTURE LTD,
PLOT NO.D-43, GIDC, DAHEJ,
DAHEJ-392130, TAL :- VAGRA,
DISIT: BHARUCH**

Test Report No. : **PL/BLD 0014**Issue Date : **16/09/2019**Customer's Ref. : **W.O.No. 85192000040
Dated:19.04.2019**Sampling Location : **Inside Mandir**

Description of Sample : **Ground Water sample** Quantity/No. of Samples : **05 Lit./One**
Date of Sampling : **05/09/2019** Sampling Procedure : **IS:3025**
Sampling by : **Pollucon Laboratories Pvt. Ltd.** Protocol (purpose) : **QC/Env. Monitoring**
Sample Receipt Date : **06/09/2019** Lab ID. : **BLD/1909/07**
Packing/ Seal : **Sealed** Test Parameters : **As per table**
Date of Starting of Test : **06/09/2019** Date of Completion of Test : **16/09/2019**

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	METHOD ADOPTED
1	pH	--	8.03	IS 3025 (Part - 11) 2017 Electrometric Method
2	Colour	Hazen	4	IS 3025 (Part - 4) 2017
3	Conductivity	mmhos/cm	0.716	IS 3025 (Part - 14) 2019
4	Turbidity	NTU	4.20	APHA (23 rd Edition 2017) 2130 B
5	Total Suspended Solids	mg/L	20	IS 3025 (Part - 17) 2017
6	Total Dissolved Solids	mg/L	483	IS 3025 (Part-16) 2017
7	TOC	mg/L	BDL*	APHA (23 rd Edition 2017) 5310 B
8	COD	mg/L	BDL*	APHA (23 rd Edition 2017) 5220 B Open Reflux Method
9	Total Hardness	mg/L	140	IS 3025 (Part - 21) 2019 EDTA Method
10	Total Alkalinity	mg/L	98	IS 3025 (Part - 23) 2019
11	Total Kjeldahl Nitrogen	mg/L	0.38	IS :3025 (Part-34) :1988 Clause 2.3 (Reaffirmed) 2009)
12	Chlorides as Cl	mg/L	39.9	IS 3025 (Part - 32) 2019 Argentometric Method
13	Sulphates as SO ₄	mg/L	11.20	IS 3025 (Part-24) 2019
14	Nitrate	mg/L	ND*	IS 3025 (Part-34) 2019 Chromotropic Acid Method
15	Lead as Pb	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
16	Cadmium as Cd	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
17	Copper as Cu	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
18	Total Chromium	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
19	Mercury as Hg	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
20	Nickel as Ni	mg/L	ND*	IS 3025 (Part-48) 2019
21	Cyanides as CN	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
22	Arsenic as As	mg/L	ND*	APHA (23 rd Edition 2017) 4500 CN E Colorimetric Method
23	Manganese as Mn	mg/L	ND*	APHA (23 rd Edition 2017) 3114 B
24	Iron as Fe	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
25	Zinc as Zn	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
26	Fluorides as F	mg/L	0.30	APHA (23 rd Edition 2017) 3111 B
27	Pesticides**	µg/L	ND*	USEPA 508 1995/ USEPA 525.2 1995/ USEPA 532 2000

ND* : Not Detected ; BDL* : Below Detection Limit, Minimum Detection Limit: Total Suspended Solids:5.0 mg/L, TOC: 2.0 mg/L, Lead as Pb: 0.005 mg/L, Cadmium as Cd: 0.004 mg/L, Copper as Cu: 0.02 mg/L, Total Chromium: 0.025 mg/L, Mercury as Hg: 0.001 mg/L, Nickel as Ni: 0.02mg/L, Arsenic as As: 0.1 mg/L, Cyanides as CN: 0.001 mg/L, Manganese as Mn:0.03 mg/L, Zinc: 0.06mg/L, Pesticides : 0.1 µg/L. **attached pesticides list.

Macky Suratiwala
Sr. Scientist

Dr. Arun Bajpai
Lab Manager(Q)

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Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

**TEST REPORT**

QF/7.8/38-WT

Page: 1 of 1

Customer's Name and Address :

**M/s. BEIL INFRATSTRUCTURE LTD,
PLOT NO.D-43, GIDC, DAHEJ,
DAHEJ-392130, TAL :- VAGRA,
DISIT: BHARUCH**

Test Report No. : **PL/BLD 0015**Issue Date : **16/09/2019**Customer's Ref. : **W.O.No. 85192000040
Dated:19.04.2019**Sampling Location : **Near Bus Station**

Description of Sample : **Ground Water sample** Quantity/No. of Samples : **05 Lit./One**
Date of Sampling : **05/09/2019** Sampling Procedure : **IS:3025**
Sampling by : **Pollucon Laboratories Pvt. Ltd.** Protocol (purpose) : **QC/Env. Monitoring**
Sample Receipt Date : **06/09/2019** Lab ID. : **BLD/1909/08**
Packing/ Seal : **Sealed** Test Parameters : **As per table**
Date of Starting of Test : **06/09/2019** Date of Completion of Test : **16/09/2019**

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	METHOD ADOPTED
1	pH	--	7.75	IS 3025 (Part - 11) 2017 Electrometric Method
2	Colour	Hazen	3	IS 3025 (Part - 4) 2017
3	Conductivity	mmhos/cm	2.14	IS 3025 (Part - 14) 2019
4	Turbidity	NTU	4.31	APHA (23 rd Edition 2017) 2130 B
5	Total Suspended Solids	mg/L	23	IS 3025 (Part - 17) 2017
6	Total Dissolved Solids	mg/L	1374	IS 3025 (Part-16) 2017
7	TOC	mg/L	3	APHA (23 rd Edition 2017) 5310 B
8	COD	mg/L	12	APHA (23 rd Edition 2017) 5220 B Open Reflux Method
9	Total Hardness	mg/L	345	IS 3025 (Part - 21) 2019 EDTA Method
10	Total Alkalinity	mg/L	140	IS 3025 (Part - 23) 2019
11	Total Kjeldahl Nitrogen	mg/L	0.64	IS :3025 (Part-34) :1988 Clause 2.3 (Reaffirmed 2009)
12	Chlorides as Cl	mg/L	317	IS 3025 (Part - 32) 2019 Argentometric Method
13	Sulphates as SO ₄	mg/L	60	IS 3025 (Part-24) 2019
14	Nitrate	mg/L	ND*	IS 3025 (Part-34) 2019 Chromotropic Acid Method
15	Lead as Pb	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
16	Cadmium as Cd	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
17	Copper as Cu	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
18	Total Chromium	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
19	Mercury as Hg	mg/L	ND*	IS 3025 (Part-46) 2019
20	Nickel as Ni	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
21	Cyanides as CN	mg/L	ND*	APHA (23 rd Edition 2017) 4500 CN E Colorimetric Method
22	Arsenic as As	mg/L	ND*	APHA (23 rd Edition 2017) 3114 B
23	Manganese as Mn	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
24	Iron as Fe	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
25	Zinc as Zn	mg/L	ND*	APHA (23 rd Edition 2017) 3111 B
26	Fluorides as F	mg/L	0.30	APHA (23 rd Edition 2017) 4500 F D SPANDS Method
27	Pesticides**	µg/L	ND*	USEPA 508 1995/ USEPA 525.2 1995/ USEPA 532 2000

ND* : Not Detected. SLL*: Below Detection Limit, Minimum Detection Limit: Total Suspended Solids : 2.0 mg/L, Lead as Pb : 0.005 mg/L, Cadmium as Cd : 0.004 mg/L, Copper as Cu : 0.02 Nitrate : 0.5 mg/L, Total Chromium : 0.025 mg/L, Mercury as Hg : 0.001 mg/L, Arsenic as As : 0.1 mg/L, Cyanides as CN : 0.001 mg/L, Zinc : 0.06 mg/L, Pesticides : 0.1 µg/L. **attached pesticides list.

Macky Suraliwala
Sr. Scientist

Dr. Arun Bajpal
Lab Manager(Q)

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Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

**CERTIFICATE OF ANALYSIS**

Report No: D5M/10042019	Date: 10-04-2019	Page No: 1/1
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Name and Address of the Customer	BHARUCH ENVIRO INFRASTRUCTURE LIMITED PLOT NO.D/43,DAHEJ-AMOD ROAD, G.I.D.C-DAHEJ-390 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Stack Sampling	Sample Identification/Code	DG Stack
Sample Quantity	---	Date of Sampling	09-04-2019
Sampling Location	DG Room	Date of Receipt Sample	09-04-2019
Sample Collected by	Ajit Mahida	Date of Start Analysis	10-04-2019
Sampling Procedure	---	Date of Completion Analysis	10-04-2019

Sr No	Parameters	Permissible Unit	Unit	Results	Method Ref.
1	PM	150	Mg/Nm ³	50.98	IS:5182 (P-4) 1999
2	SULPHUR DIOXIDE	100	ppm	17.32	IS:5182 (P-2) 2001
3	NITROGEN OXIDE	50	ppm	7.12	IS:5182 (P-6) 2006

For, BHARUCH ENVIRO INFRASTRUCTURE LTD.

Remarks (if Any):


Chemist
MR. SATISH KUMAR GADDAM
(Sr.Manager-QA)Plot No.D-43 GIDC Dahej, Dist.: Bharuch (Gujarat) Dahej-392130
E-mail-mistryrg@beil.co.in Cell no: 9099057365Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist.: Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696



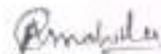
BEIL INFRASTRUCTURE LTD
ANALYTICAL RESEARCH AND DEVELOPMENT LABORATORY
CERTIFICATE OF ANALYSIS

Report No: DSM/04052019	Date: 04-05-2019	Page No : 1/1
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Name and Address of the Customer	BEIL INFRASTRUCTURE LIMITED PLOT NO.D/43,DAHEJ-AMOD ROAD, G.I.D.C-DAHEJ-390 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Stack Sampling	Sample Identification/Code	DG Stack
Sample Quantity	---	Date of Sampling	03-05-2019
Sampling Location	DG Room	Date of Receipt Sample	03-05-2019
Sample Collected by	Ajit Mahida	Date of Start Analysis	04-05-2019
Sampling Procedure	---	Date of Completion Analysis	04-05-2019

Sr No	Parameters	Permissible Unit	Unit	Results	Method Ref.
1	PM	150	Mg/Nm ³	46.52	IS:5182 (P-4) 1999
2	SULPHUR DIOXIDE	100	ppm	19.06	IS:5182 (P-2) 2001
3	NITROGEN OXIDE	50	ppm	6.49	IS:5182 (P-6) 2006

Remarks (if Any):


Chemist

For, BEIL INFRASTRUCTURE LTD.


MR. SATISH KUMAR GADDAM
(Sr. Manager-QA)

Plot No.D-43 GIDC Dahej, Dist.: Bharuch (Gujarat) Dahej-392130
E-mail-mistryrg@beil.co.in Cell no: 9099057365

Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist.: Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696



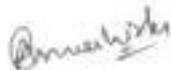
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ANALYTICAL RESEARCH AND DEVELOPMENT LABORATORY
CERTIFICATE OF ANALYSIS

Report No: DSM/11062019	Date: 11-06-2019	Page No : 1/1
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Name and Address of the Customer	BEIL INFRASTRUCTURE LIMITED PLOT NO, D/43, DAHEJ-AMOD ROAD, G.I.D.C-DAHEJ-390 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Stack Sampling	Sample Identification/Code	DG Stack
Sample Quantity	---	Date of Sampling	09-06-2019
Sampling Location	DG Room	Date of Receipt Sample	09-06-2019
Sample Collected by	Ajit Mahida	Date of Start Analysis	10-06-2019
Sampling Procedure	---	Date of Completion Analysis	10-06-2019

Sr No	Parameters	Permissible Unit	Unit	Results	Method Ref.
1	PM	150	Mg/Nm ³	48.06	IS:5182 (P-4) 1999
2	SULPHUR DIOXIDE	100	ppm	21.26	IS:5182 (P-2) 2001
3	NITROGEN OXIDE	50	ppm	8.24	IS:5182 (P-6) 2006

Remarks (if Any):


Chemist

For, BEIL INFRASTRUCTURE LTD.


MR. SATISH KUMAR GADDAM
(Sr. Manager-QA)

Plot No.D-43 GIDC Dahej, Dist.: Bharuch (Gujarat) Dahej-392130
E-mail-mistryrg@beil.co.in Cell no: 9099057365

Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist.: Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696



BEIL INFRASTRUCTURE LTD

ANALYTICAL RESEARCH AND DEVELOPMENT LABORATORY

CERTIFICATE OF ANALYSIS

Report No: DSM/12072019	Date: 12-07-2019	Page No : 1/1
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Name and Address of the Customer	BEIL INFRASTRUCTURE LIMITED PLOT NO.D/43,DAHEJ-AMOD ROAD, G.I.D.C-DAHEJ-390 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Stack Sampling	Sample Identification/Code	DG Stack
Sample Quantity	---	Date of Sampling	11-07-2019
Sampling Location	DG Room	Date of Receipt Sample	11-07-2019
Sample Collected by	Ajit Mahida	Date of Start Analysis	12-07-2019
Sampling Procedure	---	Date of Completion Analysis	12-07-2019

Sr No	Parameters	Permissible Unit	Unit	Results	Method Ref.
1	PM	150	Mg/Nm ³	51.24	IS:5182 (P-4) 1999
2	SULPHUR DIOXIDE	100	ppm	25.34	IS:5182 (P-2) 2001
3	NITROGEN OXIDE	50	ppm	7.68	IS:5182 (P-6) 2004

Remarks (if Any):

Ajit Mahida
Chemist

For, BEIL INFRASTRUCTURE LTD

Satish Kumar Gaddam
MR. SATISH KUMAR GADDAM
(Sr. Manager-QA)

Plot No.D-43 GIDC Dahej, Dist.: Bharuch (Gujarat) Dahej-392130
E-mail-mistryrg@beil.co.in Cell no: 9099057365

Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist.: Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696



BEIL INFRASTRUCTURE LTD

ANALYTICAL RESEARCH AND DEVELOPMENT LABORATORY

CERTIFICATE OF ANALYSIS

Report No: DSM/12082019	Date: 12-08-2019	Page No - 1/1	
Name and Address of the Customer	BEIL INFRASTRUCTURE LIMITED PLOT NO D/43, DAHEJ-AMOD ROAD, G.I.D.C-DAHEJ-390 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Stack Sampling	Sample Identification/Code	DG Stack
Sample Quantity	---	Date of Sampling	09-08-2019
Sampling Location	DG Room	Date of Receipt Sample	09-08-2019
Sample Collected by	Ajit Mahida	Date of Start Analysis	10-08-2019
Sampling Procedure	---	Date of Completion Analysis	11-08-2019

Sr No	Parameters	Permissible Unit	Unit	Results	Method Ref.
1	PM	150	Mg/Nm ³	62.35	IS:5182 (P-4) 2002
2	SULPHUR DIOXIDE	100	ppm	27.86	IS:5182 (P-2) 2002
3	NITROGEN OXIDE	50	ppm	9.62	IS:5182 (P-6) 2002

Remarks (if Any):

Ajit Mahida
Chemist

For, BEIL INFRASTRUCTURE LTD

Satish Kumar Gaddam
MR. SATISH KUMAR GADDAM
(Sr. Manager-QA)

Plot No. D-43 GIDC Dahej, Dist.: Bharuch (Gujarat) Dahej-392130
E-mail-mistryrg@beil.co.in Cell no: 9099057365

Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist.: Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696



BEIL INFRASTRUCTURE LTD

ANALYTICAL RESEARCH AND DEVELOPMENT LABORATORY

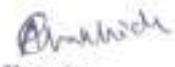
CERTIFICATE OF ANALYSIS

Report No: DSM/21092019	Date: 21-09-2019	Page No : 1/1
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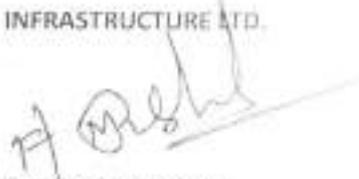
Name and Address of the Customer	BEIL INFRASTRUCTURE LIMITED PLOT NO.D/43,DAHEJ-AMOD ROAD, G.I.D.C-DAHEJ-390 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Stack Sampling	Sample Identification/Code	DG Stack
Sample Quantity	---	Date of Sampling	20-09-2019
Sampling Location	DG Room	Date of Receipt Sample	20-09-2019
Sample Collected by	Ajit Mahida	Date of Start Analysis	20-09-2019
Sampling Procedure	---	Date of Completion Analysis	21-09-2019

Sr No	Parameters	Permissible Unit	Unit	Results	Method Ref.
1	PM	150	Mg/Nm ³	68.26	IS:5182 (P-4) 1999
2	SULPHUR DIOXIDE	100	ppm	24.74	IS:5182 (P-2) 2001
3	NITROGEN OXIDE	50	ppm	12.55	IS:5182 (P-6) 2006

Remarks (if Any):


Chemist

For, BEIL INFRASTRUCTURE LTD.


MR. SATISH KUMAR GADDAM
(Sr.Manager-QA)

Plot No.D-43 GIDC Dahej, Dist.: Bharuch (Gujarat) Dahej-392130
E-mail-mistryrg@beil.co.in Cell no: 9099057365

Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist.: Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696

**TEST CERTIFICATE**

QF/7.8/38-AQ

Customer's Name and Address :

Page: 1 of 1

M/s. BEIL INFRATSTRUCTURE LTD, PLOT NO.D-43, GIDC, DAHEJ, DAHEJ-392130, TAL :- VAGRA, DISIT: BHARUCH	Test Report No. :	PL/BLD 0016
	Issue Date :	16/09/2019
	Customer's Ref. :	W.O.No. 85192000040 Dated:19.04.2019

Location of Sampling :	Behind Khetan Ind.		
Date of Sampling :	05/09/2019	Sampling Procedure :	As per table
Sampling by :	Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) :	Ambient Air Quality Monitoring
Sample Receipt Date :	06/09/2019	Lab ID :	BLD/1909/01 [A-M]
Date of Starting of Test :	06/09/2019	Date of Completion of Test :	12/09/2019

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	LIMIT [®]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	84.30	100	IS 5182 (Part-23) 2017
2	Particulate Matter (PM _{2.5})	µg/m ³	42.60	60	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
3	Sulphur Dioxide as SO ₂	µg/m ³	18.30	80	IS 5182 (Part-2) 2017
4	Oxides of Nitrogen as NO ₂	µg/m ³	26.30	80	IS 5182 (Part-6) 2017
5	Ozone (O ₃) [†]	µg/m ³	ND*	180	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
6	Carbon Monoxide as CO	mg/m ³	0.78	04	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
7	Ammonia as NH ₃	µg/m ³	20.70	400	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
8	Benzene as C ₆ H ₆	µg/m ³	ND*	NS*	IS 5182 (Part-11) 2017
9	Benzo (a) Pyrene (BaP) – particulate phase only	ng/m ³	ND*	NS*	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
10	Arsenic as As	ng/m ³	ND*	NS*	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
11	Nickel as Ni	ng/m ³	ND*	NS*	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
12	Lead as Pb	µg/m ³	0.26	1.0	CPCB guidelines for AAQM (Vol. I, NAAQMS/36/2012-13)
13	Hydrocarbon as HC	ppm	ND*	NS*	Digital Gas Analyzer
14	HCl	µg/m ³	ND*	NS*	SOP: Stack HCl-02
15	Chlorine as Cl ₂	µg/m ³	ND*	NS*	IS 5182 (Part-19) 2014
16	Hydrogen Sulphide as H ₂ S	µg/m ³	ND*	NS*	IS 5182 (Part-7) 2014

ND*: Not detected, BDL*: Below Detection Limit, NS*: Not Specified, @LIMIT as per GPCB Consent Order No.AWHI-70720 Issue Date: 13/04/2015 Up to 17/04/2020, BDL*: Below Detection Limit

Ravi Jariwala
Sr. Environmental Scientist

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

- FSSAI Approved Lab
- Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986
- GPCB approved schedule II auditor
- ISO 14001
- ORSAS 18001
- ISO 9001

"Pollucon House", Plot No. 5 & 6, Opp. Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart, Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07018605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

**TEST CERTIFICATE**

QF/7.8/38-AQ

Page: 1 of 1

Customer's Name and Address :

M/s. BEIL INFRASTRUCTURE LTD, PLOT NO.D-43, GIDC, DAHEJ, DAHEJ-392130, TAL :- VAGRA, DISIT: BHARUCH	Test Report No. :	PL/BLD 0006
	Issue Date :	06/06/2019
	Customer's Ref. :	W.O.No. 8519200071 Dated:29.04.2019

Location of Sampling :	Behind Khetan Ind.		
Date of Sampling :	25/05/2019	Sampling Procedure :	As per table
Sampling by :	Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) :	Ambient Air Quality Monitoring
Sample Receipt Date :	27/05/2019	Lab ID :	BLD/1905/01 [A-M]
Date of Starting of Test :	27/05/2019	Date of Completion of Test :	06/06/2019

RESULT TABLE

SR. NO.	TEST PARAMETER	UNIT	RESULTS	LIMIT [®]	METHOD OF MEASUREMENT
1	Particulate Matter (PM ₁₀)	µg/m ³	90.69	100	IS 5182 (Part-23) 2017
2	Particulate Matter (PM _{2.5})	µg/m ³	49.84	60	CPCB guidelines for AAQM (Vol. 1, NAAQMS/36/2012-13)
3	Sulphur Dioxide as SO ₂	µg/m ³	20.36	80	IS 5182 (Part-2) 2017
4	Oxides of Nitrogen as NO ₂	µg/m ³	30.42	80	IS 5182 (Part-6) 2017
5	Ozone (O ₃) [§]	µg/m ³	8.53	180	CPCB guidelines for AAQM (Vol. 1, NAAQMS/36/2012-13)
6	Carbon Monoxide as CO	mg/m ³	0.64	04	CPCB guidelines for AAQM (Vol. 1, NAAQMS/36/2012-13)
7	Ammonia as NH ₃	µg/m ³	22.72	400	CPCB guidelines for AAQM (Vol. 1, NAAQMS/36/2012-13)
8	Benzene as C ₆ H ₆	µg/m ³	BDL*	NS*	IS 5182 (Part-11) 2017
9	Benzo (a) Pyrene (BaP) – particulate phase only	ng/m ³	BDL*	NS*	CPCB guidelines for AAQM (Vol. 1, NAAQMS/36/2012-13)
10	Arsenic as As	ng/m ³	BDL*	NS*	CPCB guidelines for AAQM (Vol. 1, NAAQMS/36/2012-13)
11	Nickel as Ni	ng/m ³	5.25	NS*	CPCB guidelines for AAQM (Vol. 1, NAAQMS/36/2012-13)
12	Lead as Pb	µg/m ³	0.18	1.0	IS : 5182 (Part-22) 2014 Dithionite Method
13	Hydrocarbon as HC	ppm	BDL*	NS*	Digital Gas Analyzer
14	HCl	µg/m ³	6.79	NS*	SOP: Stack HCl-02
15	Chlorine as Cl ₂	µg/m ³	BDL*	NS*	IS 5182 (Part-19) 2014
16	Hydrogen Sulphide as H ₂ S	µg/m ³	BDL*	NS*	IS 5182 (Part-7) 2014

NS*: Not Specified, ®Limit as per GPCB Consent Order No.AW/170/20 Issue Date: 18/04/2015 up to 17/04/2020. BDL*: Below Detection Limit

Ravi Jariwala
Sr. Environmental Scientist**Dr. Arun Bajpai**
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

● FSSAI Approved Lab

● Recognized by MoEF, New Delhi Under
Sec. 12 of Environmental (Protection) Act-1986● GPCB approved
schedule II auditor

● ISO 14001

● OHSAS 18001

● ISO 9001

**"Pollucon House", Plot No. 5 & 6, Opp. Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.**

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com



BEIL/GPCB/GANDHINAGAR/2019/01

To,
D.M.Thaker,
Unit Head, Hazardous Waste Cell
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector -10/A
Gandhinagar- 382010

Date: 02.07.2019

PCB ID # 40137

Subject: Monsoon Planning for Monitoring & Control of Pollution.
Ref: GPCB/HAZ-GEN-294(7)/510021 dated 15/06/2019

This is with reference to your above letter GPCB/HAZ-GEN-294(7)/510021 dated 15/06/2019, we have taken following action as Monsoon Planning.

- We are regularly monitoring the Storm water at different points and taking all the necessary precautions required for preventing the contamination of storm water.
- We are also monitoring the Final discharge of our industry for any irregular discharges by any means.
- We are monitoring all the Chemical Storage tanks/Hazardous waste storage sites to prevent that there is no overflow/leakage to the surrounding environment.
- The entire landfill site will be covered with two layers of Tarpaulins to prevent any mixing of rain water with the hazardous waste. Covering of Landfill photographs is attached for your ready reference.
- We are implementing all the relevant guidelines for management plan for used/discarded packaging materials etc.
- We are regularly monitoring & operating Air Pollution Control equipment's / measures efficiently in such a manner that flue gas / process emissions conform to the GPCB norms We are also ensuring that the accidental leakages, fugitive emissions are prevented.
- Entire site is cleaned and its housekeeping is being maintained to keep it in good condition.
- We have provided 15 meter greenbelt surrounding periphery of our compound wall. We will plant trees wherever required in our existing green belt.

We hope the above adequately meets your guideline for monsoon management.

We are also submitting the Onsite Emergency Management Plan and Annual Return in Form - IV

Thanking you,
Yours faithfully,

For Bharuch Enviro Infrastructure Limited, Dahej

Authorized Signatory

End:

1. Landfill Monsoon Cover Photographs

C.C: Regional Officer
Gujarat Pollution control board
Bharuch

Post Received
Gujarat Pollution Control Board
BHARUCH.



Bharuch Enviro Infrastructure Limited

ONSITE EMERGENCY PLAN

Update On February, 2019

Plot No # D-43, GIDC Industrial Estate, Dahej - 392130

Ta - Vagra, Dist - Bharuch, Gujarat

On-Site Emergency Plan of M/s Bharuch Enviro Infrastructure Ltd. Dahej

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BHARUCH ENVIRO INFRASTRUCTURE LTD.

ANALYTICAL RESEARCH AND DEVELOPMENT LABORATORY

CERTIFICATE OF ANALYSIS

Report No: NM/24042019-1	Date: 24-04-2019	Page No: 1/1
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Name and Address of the Customer	BHARUCH ENVIRO INFRASTRUCTURE LIMITED PLOT NO.D/43, NEAR BHARAT RASAYAN LIMITED. DAHEJ-AMOD ROAD, G.I.D.C-DAHEJ-390 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Noise Monitoring	Sample Identification/Code	---
Date of Sampling	24-Apr -2019	Date of Sample Receipt	24-Apr-2019
Sample Monitored by	AJIT MAHIDA	Sampling Procedure	Integrating Noise meter

Sr No	Noise Monitoring Sample Location	Category	Unit	Results (Avg.) Day time (06:00 am to 10:00 pm)	Day Standards	Remarks.
1	Nr. Main Gate	Industrial	dB(A)	69	75	OK
2	B/H. ADM Building	Industrial	dB(A)	58	75	OK
3	Nr. EB-1 Bore well	Industrial	dB(A)	70	75	OK
4	B/H. Landfill Cell	Industrial	dB(A)	55	75	OK
5	Nr. EB-2 Bore well	Industrial	dB(A)	50	75	OK
6	Opp. Khetan Industrial	Industrial	dB(A)	65	75	OK
7	Nr. Stabilization Plant	Industrial	dB(A)	70	75	OK
8	Nr. DG Set	Industrial	dB(A)	72	75	OK
9	Nr. Monsoon Shed (New)	Industrial	dB(A)	56	75	OK

Remarks (if Any):

For, Bharuch Enviro Infrastructure Limited-Dahej.


Amol
Chemist


Mr. Sathish Kumar Gaddam
(Sr.Manager-QA)

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Tel : (02641)291129E-mail:mistryrg@beil.co.in

Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist.: Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696



BEIL INFRASTRUCTURE LTD.
ANALYTICAL RESEARCH AND DEVELOPMENT LABORATORY
CERTIFICATE OF ANALYSIS

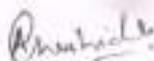
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Name and Address of the Customer	BEIL INFRASTRUCTURE LIMITED PLOT NO.D/43, NEAR BHARAT RASAYAN LIMITED. DAHEJ-AMOD ROAD, G.I.D.C-DAHEJ-392 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Noise Monitoring	Sample Identification/Code	---
Date of Sampling	15-May-2019	Date of Sample Receipt	15-May-2019
Sample Monitored by	AJIT MAHIDA	Sampling Procedure	Integrating Noise meter

Sr No	Noise Monitoring Sample Location	Category	Unit	Results (Avg.) Day time (06:00 am to 10:00 pm)	Day Standards	Remarks
1	Nr. Main Gate	Industrial	dB(A)	72	75	OK
2	B/H. ADM Building	Industrial	dB(A)	65	75	OK
3	Nr. EB-1 Bore well	Industrial	dB(A)	72	75	OK
4	B/H. Landfill Cell	Industrial	dB(A)	59	75	OK
5	Nr. EB-2 Bore well	Industrial	dB(A)	55	75	OK
6	Opp. Khetan Industrial	Industrial	dB(A)	69	75	OK
7	Nr. Stabilization Plant	Industrial	dB(A)	72	75	OK
8	Nr. DG Set	Industrial	dB(A)	72	75	OK
9	Nr. Monsoon Shed (New)	Industrial	dB(A)	59	75	OK

Remarks (if Any):

For, BEIL Infrastructure Limited-Dahej.


Chemist


Mr. Sathishkumar Gaddam
(Sr.Manager-QA)

Plot No.D-43 GIDC Dahej, Dist.: Bharuch (Gujarat) Dahej-392130
Tel : (02641)291129E-mail:mistryrg@beil.co.in

Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist.: Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696



BEIL INFRASTRUCTURE LTD.
ANALYTICAL RESEARCH AND DEVELOPMENT LABORATORY
CERTIFICATE OF ANALYSIS

Report No: NM/12062019-2	Date: 12-06-2019	Page No: 1/1
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Name and Address of the Customer	BEIL INFRASTRUCTURE LIMITED PLOT NO.D/43, NEAR BHARAT RASAYAN LIMITED. DAHEJ-AMDD ROAD, G.I.D.C-DAHEJ-392 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Noise Monitoring	Sample Identification/Code	
Date of Sampling	12-Jun-2019	Date of Sample Receipt	12-Jun-2019
Sample Monitored by	AJIT MAHIDA	Sampling Procedure	Integrating Noise meter

Sr No	Noise Monitoring Sample Location	Category	Unit	Results (Avg.) Day time (06:00 am to 10:00 pm)	Day Standards	Remarks.
1	Nr. Main Gate	Industrial	dBa	68	75	OK
2	B/H. ADM Building	Industrial	dBa	62	75	OK
3	Nr. EB-1 Bore well	Industrial	dBa	64	75	OK
4	B/H. Landfill Cell	Industrial	dBa	55	75	OK
5	Nr. EB-2 Bore well	Industrial	dBa	53	75	OK
6	Opp. Khetan Industrial	Industrial	dBa	65	75	OK
7	Nr. Stabilization Plant	Industrial	dBa	71	75	OK
8	Nr. DG Set	Industrial	dBa	68	75	OK
9	Nr. Monsoon Shed (New)	Industrial	dBa	66	75	OK

Remarks (if Any):

For, BEIL Infrastructure Limited

Americh
Chemist

H. Sathishkumar
Mr. Sathishkumar Gaddam

(Sr.Manager-QA)

Plot No.D-43 GIDC Dahej, Dist.: Bharuch (Gujarat) Dahej-392130
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Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist.: Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696



BEIL INFRASTRUCTURE LTD.
ANALYTICAL RESEARCH AND DEVELOPMENT LABORATORY
CERTIFICATE OF ANALYSIS

Report No: NM/09072019	Date: 09-07-2019	Page No: 1/1
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Name and Address of the Customer	BEIL INFRASTRUCTURE LIMITED PLOT NO.D/43, NEAR BHARAT RASAYAN LIMITED. DAHEJ-AMOD ROAD, G.I.D.C-DAHEJ-392 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Noise Monitoring	Sample Identification/Code	---
Date of Sampling	09-Jul-2019	Date of Sample Receipt	09-Jul-2019
Sample Monitored by	AJIT MAHIDA	Sampling Procedure	Integrating Noise meter

Sr No	Noise Monitoring Sample Location	Category	Unit	Results (Avg.) Day time (06:00 am to 10:00 pm)	Day Standards	Remarks
1	Nr. Main Gate	Industrial	dBA	64	75	OK
2	B/H. ADM Building	Industrial	dBA	61	75	OK
3	Nr. EB-1 Bore well	Industrial	dBA	58	75	OK
4	B/H. Landfill Cell	Industrial	dBA	57	75	OK
5	Nr. EB-2 Bore well	Industrial	dBA	55	75	OK
6	Opp. Khetan Industrial	Industrial	dBA	61	75	OK
7	Nr. Stabilization Plant	Industrial	dBA	69	75	OK
8	Nr. DG Set	Industrial	dBA	64	75	OK
9	Nr. Monsoon Shed (New)	Industrial	dBA	61	75	OK

Remarks (if Any):

For, BEIL Infrastructure Limited

Panckide
Chemist

A. Sathishkumar
Mr. Sathishkumar Gaddam
(Sr. Manager-QA)

Plot No.D-43 GIDC Dahej, Dist.: Bharuch (Gujarat) Dahej-392130
Tel : (02641)291129E-mail:mistryrg@bell.co.in

Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist.: Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696



BEIL INFRASTRUCTURE LTD.
ANALYTICAL RESEARCH AND DEVELOPMENT LABORATORY
CERTIFICATE OF ANALYSIS

Report No: NM/11082019	Date: 11-08-2019	Page No: 1/1
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Name and Address of the Customer	BEIL INFRASTRUCTURE LIMITED PLOT NO. D/43, NEAR BHARAT RASAYAN LIMITED DAHEJ-AMOD ROAD, G.I.D.C-DAHEJ-392 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Noise Monitoring	Sample Identification/Code	
Date of Sampling	11-Aug-2019	Date of Sample Receipt	11-Aug-2019
Sample Monitored by	AJIT MAHIDA	Sampling Procedure	Integrating Sound meter

Sr No	Noise Monitoring Sample Location	Category	Unit	Results (Avg.) Day time (06:00 am to 10:00 pm)	Day Standards	Remarks
1	Nr. Main Gate	Industrial	dBA	61	75	OK
2	B/H. ADM Building	Industrial	dBA	61	75	OK
3	Nr. EB-1 Bore well	Industrial	dBA	56	75	OK
4	B/H. Landfill Cell	Industrial	dBA	54	75	OK
5	Nr. EB-2 Bore well	Industrial	dBA	56	75	OK
6	Opp. Khetan Industrial	Industrial	dBA	64	75	OK
7	Nr. Stabilization Plant	Industrial	dBA	71	75	OK
8	Nr. DG Set	Industrial	dBA	67	75	OK
9	Nr. Monsoon Shed (New)	Industrial	dBA	65	75	OK

Remarks (if Any):

For, BEIL Infrastructure Limited

Ajit Mahida
Chemist

M. Sathishkumar
Mr. Sathishkumar Gaddam
(Sr. Manager-QA)

Plot No.D-43 GIDC Dahej, Dist: Bharuch (Gujarat) Dahej-392130
Tel : (02641)291129; mail-mistryrg@beil.co.in

Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist : Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696



BEIL INFRASTRUCTURE LTD.
ANALYTICAL RESEARCH AND DEVELOPMENT LABORATORY
CERTIFICATE OF ANALYSIS

Report No: NM/13092019	Date: 13-09-2019	Page No: 1/1
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Name and Address of the Customer	BEIL INFRASTRUCTURE LIMITED PLOT NO.D/43, NEAR BHARAT RASAYAN LIMITED, DAHEJ-AMOD ROAD, G.I.D.C-DAHEJ-392 130 TALUKA-VAGRA, DIST-BHARUCH (GUJARAT)		
Sample Description	Noise Monitoring	Sample Identification/Code	---
Date of Sampling	13-Sep-2019	Date of Sample Receipt	13-Sep-2019
Sample Monitored by	AJIT MAHIDA	Sampling Procedure	Integrating Noise meter

Sr No	Noise Monitoring Sample Location	Category	Unit	Results (Avg.) Day time (06:00 am to 10:00 pm)	Day Standards	Remarks
1	Nr. Main Gate	Industrial	dBA	66	75	OK
2	B/H. ADM Building	Industrial	dBA	64	75	OK
3	Nr. EB-1 Bore well	Industrial	dBA	59	75	OK
4	B/H. Landfill Cell	Industrial	dBA	56	75	OK
5	Nr. EB-2 Bore well	Industrial	dBA	54	75	OK
6	Opp. Khetan Industrial	Industrial	dBA	62	75	OK
7	Nr. Stabilization Plant	Industrial	dBA	70	75	OK
8	Nr. DG Set	Industrial	dBA	69	75	OK
9	Nr. Monsoon Shed (New)	Industrial	dBA	62	75	OK

Remarks (if Any):

For, BEIL Infrastructure Limited


Chemist


Mr. Sathishkumar Gaddam
(Sr. Manager-QA)

Plot No.D-43 GIDC Dahej, Dist.: Bharuch (Gujarat) Dahej-392130
Tel : (02641)291129E-mail-mistryrg@beil.co.in

Regd. Office: Plot No 117-118, GIDC Estate, Ankleshwar-393002, Dist.: Bharuch (Gujarat)
CIN No: U45300GJ1997PLC032696

BHARUCH ENVIRO INFRA STRUCTURE LTD. – DAHEJ

PUBLIC HEARING COMPLIANCE REPORT

The Public hearing was held on 5th April 2013 at P.J. Chheda Janta Vidyalay, Dahej, Taluka Vagra, Dist. Bharuch, Gujarat at 11:30 Hrs.

Sr. No.	Name and Address	Points represented and / or written submission	Compliance Status
1.	Shri Raghuvirsinh Udaysinh Rana Village: Dahej, Taluka: Vagra, District: Bharuch	Whether GPCB is carrying out monitoring of the ambient air parameters SOx, NOx in Dahej Area?	Complied. The regional Officer of GPCB answered that GPCB will contact him for carrying out investigation of His complaint.
		He informed that we cannot sleep outside of our residence during night hrs. If door of house remains open, black layers get form on the utensil in morning due to Air pollution.	Complied. We are carrying out regular monitoring of ambient air & all the parameters are within the limit.
		What should be the minimum distance of the company site from village?	Complied. The minimum distance of site from village should be 0.5 Km as per guideline.
2.	Shri Sureshbhai Sanabhai Village: Dahej, Taluka: Vagra,	He informed that development in Gujarat is at very fast and new industries are coming.	Noted.
		They give committeemen's during public hearings and they were given cooperation.	Noted.
		He requested industries to give employment to local people.	Complied. We have appointed 2 person as chemist and as electrician, as well as we are also sponsoring them for their skill development courses.
		He informed that they are not against the developments of industries.	Noted.
		He asked the industries representative what steps will be taken to give the employment.	Complied. We have appointed 2 person as chemist and as electrician, as well as we are also sponsoring them for their skill development courses.
		He further added that it should give in written by the industries.	Complied We have given employment to local people. We have appointed 2 person as chemist and as electrician, as well as we are also sponsoring them for their skill development courses.

3.	Shri Pradeep Thakar	----	As he is not in the definition of local people, he was advised to give his presentation or comment in writing which will be incorporated in minutes. He had not given any Written comment.
4.	Shri J. J. Rajput Member of Dahej Eco-Friendly Society, Village: Dahej, Taluka: Vagra, District: Bharuch	He asked the project proponent what the lesson they have learnt from Ankleshwar BEIL fire incident.	Complied. BEIL fire incident had occurred in 2008 in incinerable waste storage area. In this project we are not receiving any incinerable waste. Therefore there will not be possibility of fire incident. We are receiving the waste as per the acceptance criteria for disposal in TSDF site.
5.	Shri Yogesh Pandya Founder Trustee of Dahej Eco-Friendly Society, Village: Dahej, Taluka: Vagra, District: Bharuch	He informed that various problem are arising along with the development of the area.	Noted
		He added that in Gujarat solution of the problems also beings taken care therefore Gujarat develops at very fast. In connection with development of Dahej area they have develop Dahej Eco-friendly society which is also registered with government.	Noted
		He further insisted that work for the preservation of environment should be carried out site by site of development of Dahej area.	Complied. In Ankleshwar, We have HDPE single liner and here in Dahej we have double liner. We have developed a green belt (4550 Trees) along the periphery according to CPCB guidelines (Total 2, 85,343.76 sq. meters land area is available at site; out of this area about 50,500 (3300 m length * 15 m width) sq. meters (18.46 % area is considered as greenbelt and other forms of greenery) to minimize fugitive emission. It is an ongoing activity, in this monsoon also we have planted 7532 trees to develop green belt. We have tied up with local Gram Panchayat for developing a garden in around 2200 Sq. meters.
	He further added that Dahej should not be developed like Ankleshwar and Panoli GIDC.	Noted.	

	<p>He pointed out the complaints of local residence and asked the industries to take the necessary steps.</p>	Noted.
	<p>He added that this type of project is given subsidiary given by government under various provisions therefore people are accepting solution of their problems related to environment and other issues.</p>	Noted.
	<p>He said that in earlier days hazardous waste was disposed not properly which created heaps but now Gujarat is having maximum number of TSDFs, CETPs and Common Incinerators.</p>	Noted.
	<p>Gujarat is going toward the solution of the problems.</p>	Noted.
	<p>He further added that mistake made once should not be repeated again.</p>	Noted.
	<p>He had given incident of Vapi TSDF in which large amount of hazardous waste had washed out due to heavy rain in nearby area. In connection with the same he asked the project proponent what precaution will be taken in Dahej site?</p>	<p>Complied</p> <p>If the slope is not proper then water logging takes place. We have provided the proper slope and in monsoon, the site will be totally closed so no chance of any incidents.</p>
	<p>In connection with, sea is also nearby, salt pans are also nearby and site is also nearby CRZ limit. He further added that the soil of the area is also black cotton soil and water table is about 2.5 to 3 m depth, also area is having heavy rain as well as heavy wind velocity. What extra – ordinary precautions will be taken of above points?</p>	<p>Complied</p> <p>We have done analysis and survey report by government authority and report says it is 9.0 to 9.5 meter.</p> <p>Based on the report we have commissioned the site.</p> <p>We have excavated 1.8 meter black cotton soil until the yellow soil appears then TSDF commissioned.</p>
	<p>He informed that the site will be favorite for Dahej Eco-Friendly Society and Dahej Industrial association.</p>	Noted
	<p>Considering the transparency and faith representative of Dahej Eco-Friendly Society and Dahej Industrial association will be given chance to visit the construction phase of site development.</p>	<p>Complied</p> <p>We are allowing all the member of Dahej Eco-Friendly Society and Dahej Industrial Association for all activities take place in site, they don't need to take any permission.</p>

		He further inquired that what will be disposal of condensate of MEE and whether they are going to provide stripper in MEE.	Complied. MEE Plant of Capacity 200 KLD has been installed and commissioned in May, 2017. We have applied for the CC&A in May, 2017. Spray Dryer is provided and scrubber is attached.
		He advised that to think for high CV waste for co-processing in Cement Kilns.	Noted. At present it is TSDF only. It will be taken care if incinerator will come in future.
		In connection with that green belt, he advised the project proponent to develop 33% green belt in this site as well as in nearby area of Dahej.	Partially Complied. We have developed a green belt (4550 Trees) along the periphery according to CPCB guidelines (Total 2, 85,343.76 sq. meters land area is available at site; out of this area about 50,500 (3300 m length * 15 m width) sq. meters (18.46 % area is considered as greenbelt and other forms of greenery) to minimize fugitive emission. It is an ongoing activity, in this monsoon also we have planted 7532 trees to develop green belt. We have tied up with local Gram Panchayat for developing a garden in around 2200 Sq. meters.
		In connection with Narmada Parikrama, he advised the industries to give necessary facilitation for this noble cause.	Complied.
		He informed that since 1995 various public hearing were conducted in this school premises but lot of work for the development of school is required to be done. He advised the project proponent to donate for school room as well as its compound wall.	Complied. We have donated Rs. 50000 to Shri P.J. Chheda Janta Vidhyalaya, Rs. 10000 to School Management Committee & Rs. 5000 to Archarya Prathmik Shala, Dahej
6.	Shri Haniabhai President of Dahej Industrial Association, Village: Dahej, Taluka: Vagra, District: Bharuch	He said that Dahej Industrial estate is established in 1993. 20 years is passed for the growth.	Noted.
		He added that this project will to come before one year but due to some reason, project is delayed. We welcomed the project.	Complied We applied to GIDC for land on 06.04.2009 and got allotment & possession on 28.09.2011 & 04.08.2011 subsequently. We have started the landfill site in April 2015 after getting all the required approvals.

		He further added that Dahej Eco-Friendly Society and Dahej Industrial Association will have environment cell. 77 industries is located in Dahej Industrial Estate. All members will work together and this project has to be completed at the earliest.	Complied We have started the landfill site in April 2015 and are become member of Dahej Eco-Friendly Society and Dahej Industrial Association.
		In connection with Narmada Parikrama, he advised the industries to give necessary facilitation for this noble cause. He added that Narmada Parikrama was started in 1993.	Complied.
		He asked that how fast the project will come and ask to give the completion date. Rate should competitive with other TSDFs.	Complied We have started the landfill site in April 2015
		He advised to project proponent the CETP should also come and start as you have experience of existing site.	Noted.
		He also appreciated the cooperation of the surrounding villages' people.	Noted
7.	Mr. Sunil Jain Member of Dahej Eco-Friendly Society, Village: Dahej, Taluka: Vagra, District: Bharuch	What is the provision of rain water harvesting in premises?	Noted for compliance We will carry out rain water harvesting.
		What is planning or arrangement for parking the trucks-vehicles to carry the hazardous waste to project site?	Complied 1000 Sq. Mt. Parking area is provided for trucks-vehicles.
		What care is taken for the nearby existing water tanks due to transportation of vehicles?	Complied Hazardous waste is being transported in dedicated vehicles and it is completely covered. If any mishap will happen, we will collect the waste and then it will be disposed in TSDF.
8.	Shri Narendrasinh Rana Chairman of P J Chheda School & BJP Dahej Gram Panchayat, Village: Dahej, Taluka: Vagra, District: Bharuch	He said that company had given satisfied answer. They will fulfil their commitments. The development of high school should be taken care off by industries.	Complied We have donated Rs. 50000 to Shri P.J. Chheda Janta Vidhyalaya, Rs. 10000 to School Management Committee & Rs. 5000 to Archarya Prathmik Shala, Dahej
		He added that development of industries taken place without any unrest industries.	Complied. We, Dahej Industrial Association, Dahej Eco-Friendly Society and Villagers shall get together for all activities either technical or CSR.

		And all public hearing has been done here only and industrial growth without any accident with industries and villagers.	Noted
		He requested to industries that they should contribute in CSR activities as well as for education facility.	Complied We have donated Rs. 50000 to Shri P.J. Chheda Janta Vidhyalaya, Rs. 10000 to School Management Committee & Rs. 5000 to Archarya Prathmik Shala, Dahej. We are also contributing towards all CSR activities in Dahej Area.
9.	Shri Pradyumansinh Natvarsinh Rana Village: Dahej, Taluka: Vagra, istrict: Bharuch	He asked that who is the responsible to dispose the hazardous waste here and there by other industries.	Noted If any complaints registered, then necessary actions will be taken in consultation with Dahej Industrial Association and GPCB.

BUREAU VERITAS
Certification



BEIL INFRASTRUCTURE LTD.



PLOT NO. D-43, DAHEJ INDUSTRIAL ESTATE, TALUKA-VAGRA,
DIST. BHARUCH – 392 130, GUJARAT, INDIA.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the Management System standards detailed below.

Standards

ISO 14001:2015 & BS OHSAS 18001:2007

Scope of certification

OPERATION & MAINTENANCE OF COMMON HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITY (SECURE LANDFILL & MEE) AND RELATED ANALYTICAL SERVICES

Original cycle start date: **25 June 2016**

Expiry date of previous cycle: **24 June 2019**

Recertification Audit date: **04 May 2019**

Recertification cycle start date: **24 June 2019**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on:

For EMS: **24 June 2022**

For OHSAS: **11 March 2021**

Certificate No. **IND.19.12190U/E/HS** Version : **1** Revision date: **24 June 2019**

Signed on behalf of BVCH SAS – UK Branch
Jagdheesh N. MANIAN
Head – CERTIFICATION, South Asia
Commodities, Industry & Facilities Division



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Certification body address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local office: Bureau Veritas (India) Private Limited (Certification Business)
72 Business Park, Marol Industrial Area, MIDC Cross Road "C",
Andheri (East), Mumbai – 400 093, India.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.
To check this certificate validity please call +91 22 6274 2000.





Ref: BEIL/DHJ/MoEF/2019

Date: 11.10.2019
PCB ID # 40137

To,
The Director
Ministry of Environment, Forest & Climate Change
Western Region Office,
Kendriya Paryavaran Bhavan,
Link Road No.3, E-5 Ravishankar Nagar
Bhopal-462016

Sub.: Compliance Status of Environmental clearance for setting up of common hazardous waste Treatment, Storage, Disposal facility (TSDF) and Multi Effect Evaporator (MEE) plant at BEIL, Dahej for period Oct'18 to Mar'19.

Ref: Environmental Clearance No. SEIAA/GUJ/EC/7(d)/227/2013 dated 22nd July, 2013.

Dear Sir,

BEIL is operating a TSDF facility consisting of a secured land fill Facility and Multi Effect Evaporator (MEE) followed by spray dryer located at Plot No. D-43, Dahej Industrial Estate, Tal. Vagra, Dist.Bharuch,Gujarat.

We are submitting here with the half yearly Compliance status report for period October 2018 to March 2019 of Environmental clearance for setting up of common hazardous waste Treatment, Storage, Disposal facility (TSDF) and Multi Effect Evaporator (MEE) vide letter No. SEIAA/GUJ/EC/7(d)/227/2013 dated 22nd July, 2013.

BEIL has received and disposed land fillable Hazardous waste: During 1st October, 2018 to 31st March, 2019: 63714.877 MT.

Cumulative quantity disposed in landfill from the beginning (up to 31.03.2019): 247050.274 MT

We are regularly submitting the Annexure-IV of protocol for performance Evaluation and Monitoring reports of our TSDF to Gujarat Pollution Control Board, Regional office Bharuch & HO Gandhinagar, Central Pollution Control Board, New Delhi and Ministry of Environment & Forests and Climate Change, New Delhi. Copies of covering letters of last quarterly protocols are attached here with as a confirmation.

23/10/19
Post Received
Gujarat Pollution Control Board
BHARUCH



We hope that the above is in order. In case you need any additional information, we can provide the same on hearing from you.

Thanking you,

Yours faithfully,
For, **Bharuch Enviro Infrastructure Limited**

Authorized Signatory

- Encl: As above
CC : Gujarat Pollution Control Board,
Bharuch
- CC: Central Pollution Control Board,
Vadodara



Ref: BEIL/DAHEJ/2015

30th July, 2014

PCD-ID: 40137

To,
 Ministry of Environment, Forest and Climate Change,
 Regional Office, Western Region,
 Kendriya Parivaran Bhavan,
 Lakh Road 3
 E-5, Ravishankar Nagar
 Bhopal-462016

Kind Attn: Dr. A. Mehta, Director (5)

Subject: Compliance with point no. 64 and 70 of Environmental Clearance

Reference: Environmental Clearance order no. SEA/A/GJ/EC/E(D)/227/2013, Dated: 22/07/2013

Dear Sir,

Bharuch Enviro Infrastructure Ltd., is a Secured Landfill Facility for Hazardous waste at Dahaj Industrial Estate. We had received our Environmental Clearance for our TSDF and MEF facility at Plot no. D-40, Dahaj Industrial Estate, Tal. Vagra, Dist. Bharuch (Gujarat) in category II(c) of Schedule annexed with EIA Notification dated 14/09/2006, vide order no. SEA/A/GJ/EC/E(D)/227/2013, Dated: 22/07/2013.

We would like to submit the following information in compliance to Point No.64 & 70 of the said Environmental Clearance.

1. Date of Application for loan	24.10.2012
2. Financial Closure (Date of Sanction of Loan)	07.03.2014 (Copy Attached)
3. Drawings Approved by DT, Delhi on	21.10.2013 (Copy Attached)
4. Land Development and construction work Started on	13.09.2014
5. Date of Commissioning	29.04.2015

Please consider the above details. Copy of Environmental Clearance Attached.

Thanking you,

For, Bharuch Enviro Infrastructure Ltd. (Dahaj Unit)

B. D. Dholwadi
 Chief Executive Officer

VSD
 1-8-2015
 Project Officer, GPCB
 Regional Office, Gandhinagar
 Gandhinagar-382010

C.C: (1) State Level Environment Impact Assessment Authority
 Gujarat Pollution Control Board,
 "Parivaran Bhavan" Sector 10-A,
 Gandhinagar - 382010

(2) Mr. K. C. Mistry - Sr. Environment Engineer, GPCB, Gandhinagar

(3) The Regional Officer, GPCB, Bharuch

SANDESH

FRIDAY, 21•12•2018

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ନର୍ମାଣ ବିଜ୍ଞାନୀ ଏଫେଠଏଲ୍ ଶାଠାଲ୍ୟାସା ବିଶ୍ୱାସୀ ଓ ଅନ୍ୟ

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F. No. 10-43/2016-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 3

Date: 19th December, 2018

To,

The Chief Executive Officer
M/S Bharuch Enviro Infrastructure Limited
Plot No. D-43, Dahej Industrial Estate,
Taluka Vagra, District Bharuch - 3921302 (Gujarat)
E-mail: dalwadibd@beil.co.in

Subject: Installation of Two Incinerators and Capacity Enhancement of Existing Landfill Facility at existing Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) at plot number D-43, Dahej Industrial Estate, Taluka Vagra, District Bharuch by M/s Bharuch Enviro Infrastructure Limited - Environmental Clearance - reg.

Sir,

This has reference to your online proposal No. IA/GJ/MIS/55789/2016 dated 11th June, 2018, submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of environmental clearance to the project 'Installation of Two Incinerators and Capacity Enhancement of Existing Landfill Facility' at existing Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) at plot number D-43, Dahej Industrial Estate, Taluka Vagra, District Bharuch by M/s Bharuch Enviro Infrastructure Limited, was considered by the Expert Appraisal Committee (Infra-2) in its 32nd meeting held on 2-4 July, 2018 and 35th meeting held on 29-31 October, 2018. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting, are as under:-

- (i) M/s BEIL proposes to install two Incinerators and enhance the capacity of existing secured landfill facility (SLF) at Plot No. D-43, Dahej Industrial Estate, Taluka Vagra, Dist. Bharuch, Gujarat. Earlier the BEIL has obtained environment clearance for existing TSDF in July 2013 vide letter no. SEIAA/GUJ/EC/7(d)/227/2013. The proposed project is for Installation of two Incinerators I & II: having capacity of 12 Million Kcal/hour each and capacity enhancement of existing secured landfill facility from 14LMT to 19 LMT.
- (ii) The proposed project is Category "A "Common hazardous waste treatment, storage and disposal facilities (TSDFs) listed under activity 7 (d) as per EIA Notification dated 14th September 2006 as it is proposed to upgrade the facility integrated facilities having incineration & landfill.
- (iii) Due to growth of chemical industries in the Dahej industrial area, generation of hazardous waste Landfillable & incinerable waste has been increasing many folds. The existing secured landfill is likely to get exhausted much before planed period at the current rate of waste generation & disposal. Therefore, it is proposed to enhance the capacity of SLF from 14 lakhs MT to

19 lakhs MT and addition of two Incinerators. All the other facilities such as infrastructure, laboratory is already available at the existing site.

(iv) Details of existing and proposed facilities are as under:

Particulars	Existing	Proposed
Land area	2,85,343.76 m ²	Nil
Secured landfill capacity	14 LMT	19LMT
Incinerator	Nil	2 Nos.12 Million Kcal/hour each
Water consumption	466 KLD	900 KLD
Power	475 KVA	1920 KVA
D.G.	1 no. 600 KVA	2 nos. (600 KVA + 900 KVA) capacity
Employment	Employee- 23 Worker- 84	Construction phase 150 workman Operation phase: 60 workmen

- (v) Water consumption for the proposed project is 900 KLD and will be met from GIDC water supply.
- (vi) Leachate/effluent from landfill will be treated in Multiple Effect Evaporator (MEE) plant. The waste water from incinerator shall be used for quenching. Municipal spoil waste generated from the project shall be disposed as per MSW Rules, 2016.
- (vii) Hazardous solid waste generated as the residue from MEE after treatment of leachate and residue ash generated from incineration of hazardous waste shall be disposed in the landfill. Transportation of hazardous solid waste is done as per guidelines of CPCB. The TSDF have approved transporter authorization with dedicated vehicle (hydraulics) for transportation of wastes.
- (viii) The proposed project shall be an important endeavor to mitigate the degradation of environment in the region.
- (ix) ToR for the proposed project was approved by MoEF & CC on dated 26th October, 2016 vide Letter no F.No. -10-43/2016-IA-III.
- (x) Public Hearing was exempted vide amendment in ToR issued vide letter dated 14th May, 2018, as Dahej Industrial Estate of GIDC is a part of Development of Petroleum, Chemical and Petro-chemical Investment Region (PCPIR) Dahej, Dist. Bharuch. The PCPIR has already obtained Environmental Clearance on 17th September, 2017 vide letter 21-49/2010/-IA-III for the entire industrialized region. The Public hearing for the same was also conducted on 30th July, 2014.
- (xi) Investment/Cost of the project is approx. Rs. 64 Crore.
- (xii) Benefits of the project: There will be a positive environmental impact by collecting and disposing the hazardous waste in the scientific manner that will reduce the future health hazard. It is expected that additional people will get employment and hence job opportunities for the local people as well as migrants from nearby areas would increase.
- (xiii) Employment potential: About 150 persons (construction phase) & 60 persons (operational phase).

3. The project/activity is covered under category 'A' of item 7(d) Common hazardous waste Treatment, Storage and Disposal Facilities (TSDFs) of the

Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at Central Level.

4. The EAC, in its 35th meeting held on 29-31 October, 2018, deliberated on the proposal including certified compliance report letter No. 18-A-96/2013(Parya)/943 dated 28.08.2017 (inspection done on 06.06.2017) issued by the MoEF&CC's Regional Office (Western Region), Bhopal. The EAC, on being satisfied with the submissions of the project proponent, recommended the project for grant of environmental clearance to the project. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project 'Installation of Two Incinerators and Capacity Enhancement of Existing Landfill Facility at existing Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) at plot number D-43, Dahej Industrial Estate, Taluka Vagra, District Bharuch by M/s Bharuch Enviro Infrastructure Limited, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

PART A – SPECIFIC CONDITIONS:

- (i) Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- (ii) The Project proponent should ensure that the TSDF fulfils all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.
- (iii) Ground water abstraction shall be as prescribed by the CGWA. A clearance/permission of the CGWA shall be obtained in this regard.
- (iv) It shall be ensured that all the trees and other plantation are of the non edible varieties and do not in any way encourage the incorporation of toxic materials in the food chain.
- (v) The TSDF should only handle the waste generated from the member units.
- (vi) As proposed, air pollution control device viz. gas quencher; treatment with mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs (if any); bagfilter/ESP for removal of particulate matter; ventury scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapours in flue gas; and demister column for arresting water carry over will be provided to the incinerator. Online pollutant monitoring shall be provided as per CPCB guidelines for monitoring particulate matter, SO₂, NO_x and CO from the incinerator stack. The periodical monitoring of Dioxins and Furans in the Stack emissions shall be carried out.
- (vii) Analysis of Dioxins and Furans shall be done through CSIR – National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory.
- (viii) The project proponents shall adhere to all conditions as prescribed in the Protocol for 'Performance Evaluation and Monitoring of the Common Hazardous Waste Treatment, Storage and Disposal Facilities' published by the CPCB in May, 2010.
- (ix) Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.

- (x) Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the State Pollution Control Board / CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.
- (xi) Ambient air quality monitoring shall be carried out in and around the landfill site at up wind and downwind locations.
- (xii) The depth of the land fill site shall be decided based on the ground water table at the site and may be such as permitted by the Pollution Control Board.
- (xiii) Environmental Monitoring Programme shall be implemented as per EIA report and guidelines prescribed by CPCB for hazardous waste facilities. Periodical ground water/soil monitoring to check the contamination in and around the site shall be carried out.
- (xiv) The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.
- (xv) On line real time continuous monitoring facilities shall be provided as per the CPCB or State Board Directions.
- (xvi) No non hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, shall be handled in the premises.
- (xvii) Gas generated in the Land fill should be properly collected, monitored and flared.
- (xviii) Project Proponent shall develop green belt with native plant species that are significant and used for the pollution abatement. At least 10 m thick greenbelt shall be developed in the periphery of hazardous waste facility.
- (xix) Project should ensure that the site is properly cordoned off from general movement and no unauthorized person or goods permitted to enter the premises. Necessary security provision should be made as a condition in the Authorization under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 to prevent unwanted access.
- (xx) Pre medical check-up to be carried out on workers at the time of employment and regular medical record to be maintained.
- (xxi) Emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or environment from fires, explosion or any unplanned sudden or non sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water.
- (xxii) Rain water runoff from the landfill area and other hazardous waste management area shall be collected and treated in the effluent treatment plant.
- (xxiii) The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.
- (xxiv) As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1st May 2018, and as proposed, a fund of Rs. 0.40 Crore @ 1% of project Cost, shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as sanitation, solid waste management and rain water harvesting etc. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER

shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

PART B - GENERAL CONDITIONS

- (i) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office/ Tehsildar's office for 30 days.
- (ii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- (iii) Officials from the Regional Office of MoEF&CC, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Bhopal.
- (iv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (v) The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
- (vii) These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
- (viii) The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Bhopal.
- (ix) Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- (x) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the

Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

- (xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM_{2.5}, PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
5. This issues with the approval of the Competent Authority.


(Kushal Vashist)
Director

Copy to:

- 1) The Secretary to Government (Environment and Ecology), Forest, Forests & Environment Department, Government of Gujarat Block 14, 8th Floor, Sachivalaya, Gandhinagar - 382 010, Gujarat.
- 2) The Addl. Principal Chief Conservator of Forests (Central) Ministry of Environment, Forest and Climate Change, Regional Office (WZ) E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3 Ravishankar Nagar, Bhopal - 462016.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010, Gujarat.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.
- 7) MoEF&CC website.


(Kushal Vashist)
Director

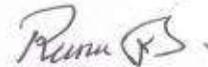
Environmental Management Plan Compliance

Discipline	Environmental hazard	Mitigation Measures and Action plan	Compliance Status
Secured Landfill Facility			
Temporary storage of Hazardous waste	Leachate Generation	Collection of leachate and treatment	Complied. Temporary storage of hazardous waste is provided for monsoon period. Leachate generated is collected and send to MEE at BEIL, Ankleshwar unit.
Loading the hazardous waste in dumper	Fugitive emission	Coverage of the dumper to prevent dusting	Complied. Secured authorized dedicated closed dumpers are being used.
	Spillage of waste on the the floor	Avoid spillages by careful handling of the solid waste Clean the floor regularly and collect the waste & dispose in landfill	Complied. Handling has been carried out to avoid spillage of the solid waste. Regular cleaning is also done.
	Leakage/spillage during transportation	inspection of the dumpers and ensuring that there is no leakage/spillage	Complied. Regular inspection carried out of dumpers for detecting any leakages or spillage.
	Health impacts on the workers	Usage of Hydraulic dumpers/hook loaders to prevent manual handling Usage of PPEs by all Employees Medical checkup - pre employment and routine	Complied. Hydraulic dumpers are used for transporting waste. Appropriate PPEs are provided to the workers while manual handling of the waste. Pre-employment and routine medical checkups are being carried out.

Transportation			
Transportation of Waste	Littering the waste on the road	Inspect the dumpers and ensure that there is no leakage/spillage from the vehicle Loaded dumpers/trucks with waste should be fully covered. Impart training to the drivers Dumpers/trucks should be leak proof	Complied. Regular inspection of the dumpers is also done to ensure that there is no leakage/spillage from the vehicle. Loaded dumpers/ vehicles are being covered, leak proof as well. Drivers are given training also.
	Disposal of waste at non designated place	Manifest System	Complied. We are following valid manifest system according to new hazardous and other waste (Handling and management) rules 2016.
	Contamination of the tyres of vehicles entering landfill area	After loading/unloading the waste, tyres should be washed and washed water shall be sent for treatment	Complied. After loading/ unloading the tires are washed and waste water is sent for treatment.
Final Disposal			
Final Disposal of the hazardous waste into secured landfill facility	Violent reaction/ fire	Strictly to follow the acceptance criteria Check the reactivity of the wastes prior to disposal	Complied. Comprehensive and fingerprint analysis are carried out before accepting the waste to strictly following acceptance criteria for landfill.
	Excessive leachate generation in monsoon season	Cover the sub-cells of the facility with tarpaulin to prevent entry of rain water Close monitoring of the site round the clock during monsoon	Complied. Adequate covering of the sub cells with tarpaulin is done during monsoon.
	Blowing away of the waste dust with the wind	Spray water during summer season Cover the waste layer with fresh soil and compact it.	Complied. Water is being sprayed for dust suppression. And daily coverage of waste with clay layer is being done.

	Disposal of waste at the wrong place in the premises leachate handling	Provide indicators and sign boards for systematic operation. Properly designed leachate collection wells Daily monitoring of levels in the wells Transfer of leachate from the wells to storage for treatment	Complied. Necessary sign board are provided. Adequate numbers of leachet collection wells are constructed, daily level monitoring is being done.
Sanitary facilities for the staff	Generation of the waste water.	Sewage water to be taken to Septic Tank for disposal	Complied. Soak pit/septic tank are provided to dispose domestic waste water
Laboratory facilities	Generation of the waste water.	Segregation of the waste water Toxic waste should be sent for incineration Contaminated water to be taken to MEE	Complied. Contaminated water from the laboratory is sent to MEE at BEIL, Ankleshwar unit.
Operation, Maintenance and Closure of the Facility	Contamination of Environment	The site will be operated, maintained and closure of the facility will be done as per approved plan by SPCB and in accordance with guidelines published by CPCB	Complied. The site is being operated, maintained and closure of the facility will be done as per approved plan by SPCB and in accordance with guidelines published by CPCB
Post Closure Phase	Ambient air Quality	Monitoring of ambient air quality for various parameters	Complied. Monitoring of ambient air quality for various parameters is being done.
	Emission from landfill vents	Monitoring of vents for HCs, VOCs, monthly	Complied. Monitoring of vents for HCs, VOCs is being done.
	Leachate Generation	Sampling and analysis of leachate for various parameters, monthly Treatment of generated leachate in Multiple Effect Evaporator	Complied. Sampling and analysis of leachate for various parameters is being done. Leachate generated is collected and send to MEE at BEIL, Ankleshwar unit.

	Ground water Monitoring	Monitoring of Ground Water	Complied. Monitoring of Ground Water on regular basis is being conducted.
	Soil contamination	Monitoring of soil samples	Complied. Monitoring of soil samples on regular basis is being conducted.
	Stability of the landfill	Regular inspection and maintenance of the coverage system	Complied. Regular inspection and maintenance of the coverage system is being done.

		United India Insurance Company Limited 24, Whites Road, Chennai - 600 014, Website : http://www.uiic.co.in							
		Money Receipt		Voucher No.:	10218060119100791563	Payment ID:	119180601100892485		
Voucher Date:	26/04/2019			Transaction Date:	26/04/2019				
Issuing Office Code, Name and Address:				180601 BO ANKLESHWAR					
2ND FLOOR, OPP HOTEL LORDS PLAZA, B/H RAILWAY STATION OLD N.H. NO-8 GIDC, ANKLESHWAR, BHARUCH 393002									
Sl. No.	Product Tr. Cd.	Policy/Endt/Claim Year Number	Intermediary/ Customer/ Employee	Bank Name and Drawee Branch Name	Cheque No. and Date	Account Description Narration	Main Acct. Sub Acct.	Amount Rs. Ps.	
1	T02		23048482718	BANK OF BARODA IND-ANKLESHW BRANCH	011191 26/04/2019	COLLECTIONS CHEQUES ON HAND	9111120000 0	75324 00	
Received with thanks from: BHARUCH ENVIRO INFRASTRUCTURE LTD.							Page Total: 75324 00 Grand Total: 75324 00		
Rs. Seventy-five thousand three hundred twenty-four rupees only							Signature of Recipient 		
RAN32160 26/04/2019 6:10:29 PM		Narration: Towards premium Scroll BHARUCH ENVIRO INFRASTRUCTURE 2720, 75324.00, WC		GSTIN (UIIC) : 24AAACU5552C3ZN		Approved By		Cheque Signed By	



UNITED INDIA INSURANCE COMPANY LIMITED

2ND FLOOR, OPP HOTEL LORDS PLAZA ,B/H RAILWAY STATION OLD N.H. NO-
8,GIDC,ANKLESHWAR ,BHARUCH ANKLESHWAR, BHARUCH, GUJARAT
BHARUCH - 393002 GUJARAT
PHONE: (2646) 220151 FAX: EMAIL:

PUBLIC LIABILITY ACT POLICY
Policy No.:1806012719P101485463

PERIOD OF INSURANCE
From 00:00 hrs of 01/05/2019
To midnight of 30/04/2020

Insured

M/s BHARUCH ENVIRO INFRASTRUCTURE LTD.

PLOT NO.(1) 9701 TO 9716/ 9801 TO 9828/ 9901 TO 9906/ 9923 TO 9928(2)
KISHOKLAND BET. NO. 9701 TO 16.(3) ROAD AREA BET.NO.9801 TO 9814/ VAR
PLOT NO. OF JITALI , GIDC, ANKLESHWAR.
(4) AHMEDABAD UNIT MUNICIPAL SOLID WASTE SITE,B/H TORRENT POWER SUB
STATION,NR HOTEL DEV,NAROL-SARKHEJ HIGHWAY,GYASPUR,AHMEDABAD (5)
DAHEJ UNIT PLOT NO. 43, GIDC DAHEJ, BHARUCH (6)JHAGADIA UNIT,PLOT NO.
911/C,GIDC JHAGADIA,DIST:BHARUCH-393110.

BHARUCH
393002
GUJARAT

Agent Name	: HITESH B JADAV
Agent Code	: AGJ0061725
Mobile/Landline Number/Email	: 9558465778 hitebbhaiadav@gmail.com

LET US JOIN THE FIGHT AGAINST CORRUPTION.
PLEASE TAKE THE PLEDGE AT <http://www.uic.co.in>

For any Information, Service Requests, Claim intimation and Grievances please write to 180601@uic.co.in

REGD. & HEAD OFFICE: 24, WHITES ROAD, CHENNAI - 400014
Website: <http://www.uic.co.in>

Printed By : VAS32129 @ 29/04/2019 3:54:54 PM

PUBLIC LIABILITY ACT POLICY SCHEDULE

Policy No.	1806012719F101485463	Prev. Pol. No.	1806012718R101490166
Name Of Insured/ID	M/s BHARUCH ENVIRO INFRASTRUCTURE LTD./23048482716		
Tel. (01)		Fax	
		Tel.(R)	
Business/Occupation	None	Email	
Period of Insurance	From 00:00Hours of 01/05/2019		To Midnight of 30/04/2020

CO-INSURANCE DETAILS:	UIC 180601 : 100%
PREMIUM:	THIRTY-FOUR THOUSAND FIVE HUNDRED FIFTY-ONE RUPEES ONLY

Description of risk : DISP. OF SOLID & LIQUID WASTE

Territory (Geographical Limits) / Jurisdiction:-

Territory/Jurisdiction	Details	Description
India: India	PLOT NO.(1) 9701 TO 9716/ 9801 TO 9828/ 9901 TO 9906/ 9921 TO 9928(2) KISHOKLAND BET. NO. 9701 TO 16.(3) ROAD AREA BET.NO.9801 TO 9814/ VAR PLOT NO. OF JITALI, GIDC, ANKLESHWAR.(4) AHMEDABAD UNIT MUNICIPAL SOLID WASTE SITE,B/H TORRENT POWER SUB STATION,NR HOTEL DEV,NAROL SARKHEJ HIGHWAY,GYASPUR,AHMEDASAD (5)DAHEJ UNIT PLOT, NO. 43, GIDC DAHEJ, BHARUCH (6) BHARUCH ENVIRO INFRASTRUCTURE LTD, BHAGADIA UNIT, PLOT NO. 911/C,GIDC, BHAGADIA, DIST:BHARUCH-393110.	ANKLESHWAR/DAHEJ/AHMED/ BHAGADIA UNIT

Subsidiaries:-

Excess/Deductible:-	
Compulsory Excess/Deductible:	₹ 209,301.70
Voluntary Excess/Deductible:	₹ 0.00

TRANSPORTATION OF CHEMICALS

INDEMNITY LIMIT		Estimated Annual turnover	
		Proposed Year	Previous Year
Any One ACCIDENT	₹ 41,960,340.00	2500000000	2000000000
Aggregate During the Policy Period (Not exceeding three Times of any one accident of Indemnity Limit)	₹ 125,591,020.00		
Contribution to environment Relief fund	₹ 34,551.00		
Other Discount Amount	₹ 121655.86		

Premium	₹ 34,551.00
CGST(9%)	₹ 3,110.00
SGST(9%)	₹ 3,110.00
Stamp duty	₹ 1.00
Total	₹ 75,322.00
Receipt Number	10118060119101757949
Receipt Date	29/04/2019

Agency/Broker Code:	AGI0061725
Dev.Officer Code:	29683

Underwriting Remarks	DISPOSAL OF HAZARDOUS, SOLID AND LIQUID WAST BY INCINERATION AND LANDFILLING, ON VARIOUS PLOTS MENTIONED AS ABOVE.
----------------------	--------------------------------------------------------------------------------------------------------------------

Customer GST/UIN No.:	24AAAC88075F1ZU	Office GST No.:	24AAACU8552C3ZN
SAC Code:	9971	Invoice No. & Date:	2719(101485463 B 29/04/2019
Amount Subject to Reverse Charges-NIL			

<http://gcore.uic.in/Configurator/HTMLReportSource/n0bc5s45nkv22eag3ek2i55Public> 29/04/2019

Anti Money Laundering Clause: In the event of a claim under the policy exceeding ₹ 1 lakh or a claim for refund of premium exceeding ₹ 1 lakh, the insured will comply with the provisions of AML policy of the company. The AML policy is available in all our operating offices as well as Company's web site.

Extension Names	LIMIT OF INDEMNITY (₹) AOA : AOY
Indemnity Cover	41860340-125581020

Underwriting Remarks	DISPOSAL OF HAZARDOUS, SOLID AND LIQUID WASTE BY INCINERATION AND LANDFILLING, ON VARIOUS PLOTS MENTIONED AS ABOVE.
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RETROACTIVE DATE	LIMIT OF INDEMNITY (₹)
01/05/1998	41860340

Date of Proposal and Declaration: 01/05/2019

IN WITNESS WHEREOF, the undersigned being duly authorised has hereunto set his/her hand at 80 ANKLESHWAR 180601 on this 26th day of April, 2019.

For United India Insurance Co. Ltd.

शारदा

Annex Policy
Stamp here.

Authorised Signatory.



Policy No.: 1806012719P101405463

**LIABILITY INSURANCE POLICY
(UNDER PUBLIC LIABILITY INSURANCE ACT 1991)**

1. OPERATIVE CLAUSE

Whereas the Insured Owner named in the Schedule hereto and carrying on business described in the said Schedule has applied to the UNITED INSURANCE COMPANY LIMITED (hereinafter called the "Company") for the indemnity hereinafter contained and has made a written proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein and has paid the premium and statutory contributions towards the Environmental Relief Fund as per the provision of the Public Liability Insurance Act, 1991 and the rules framed thereunder as amended from time to time.

NOW THIS POLICY WITNESSETH that subject to the terms, exceptions and conditions contained herein or endorsed herein, the Company will indemnify the Insured Owner against the statutory liability arising out of accidents occurring during the currency of the Policy due to handling hazardous substances as provided for in the said Act and the Rules framed thereunder as amended from time to time.

2. DEFINITIONS:

- "ACT" unless otherwise specifically mentioned shall mean the Public Liability Insurance Act 1991 as amended from time to time.
- "Accident" means an accident involving a fortuitous sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radioactivity.
- "Handling" in relation to any hazardous substance means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substances.
- "Hazardous Substance" means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act, 1986 and exceeding such quantity as may be specified, by notification by the Central Government;
- "Owner" means a person who owns, or has control over handling any hazardous substance at the time of accident and includes:
 - in the case of a firm, any of its partners;
 - in the case of an association, any of its members and
 - in the case of a company, any of its directors, managers, secretaries or other officers who is directly in charge of, and is responsible to the company for the conduct of the business of the company;
- "Turnover" shall mean
 - manufacturing units - Annual Gross Sales of all goods including all levies and taxes
 - Godowns/ Warehouse owners - Total Annual rental receipts
 - Transport Operators - Total Annual freight receipts
 - Others - Total Annual gross receipts.

3. EXCLUSIONS:

This Policy does not cover liability:

- arising out of wilful or intentional non-compliance of any Statutory provisions;
- in respect of fines, penalties, punitive and / or exemplary damages;
- arising under any other negotiation except in so far as provided for in Section B Sub-Section (1) and (2) of the "Act".
- in respect of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured Owner's control, care or custody;
- directly or indirectly occasioned by, happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not) civil war, rebellion, revolution, insurrection or military or usurped power;
- directly or indirectly caused by or contributed to by:

Policy No.: 1806012719P101485463

- a) ionising radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel;
- b) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.

4. CONDITIONS:

1. The Insured Owner shall give written notice to the Company as soon as reasonably practicable of any claim made against the Insured Owner or of any specific event or circumstance that may give rise to a claim. The Insured Owner shall immediately give to the Company copies of notice of application forwarded by the Collector and all such additional information and or assistance that the Company may require.
2. No admission, offer, promise or payment shall be made or given by or on behalf of the Insured Owner under this Policy without the written consent of the Company.
3. The Company shall not be liable for any claim for relief made after five years from the date of occurrence of the accident.
4. The Insured Owner shall keep record of annual turnover, and at the time of renewal of insurance declare such turnover and all other details as may be required by the Company. The Company shall at all reasonable times have full rights to call for and examine such records.
5. If at the time of happening of any accident resulting in a claim under this Policy there be any other insurance covering the same liability then the Company shall not be liable to pay or contribute more than its rateable proportion of such liability.
6. This Policy may be cancelled by the Insured Owner by giving 30 days' notice in writing to the Company in which event the Company will retain the premium at short period scale of rates subject to there not having occurred an accident during the Policy period which may give rise to a claim(s), failing which no refund of premium shall be allowable.
7. This insurance may be terminated at any time at the request of the Insured, in which case the Company will retain the premium at customary short period rate for the time the policy has been in force. This insurance may also at any time be terminated at the option of the Company, on 15 days' notice to that effect being given to the Insured, in which case the Company shall be liable to repay on demand a rateable proportion of the premium for the unexpired term from the date of the cancellation. In either case premium will be refunded only if there is no claim under the policy.
8. If the Company shall disclaim liability to the Insured Owner for any claim hereunder and if such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a competent court of law, then the claim for all practical purposes shall be deemed to have been abandoned and shall not thereafter be recoverable hereunder or be made the subject matter of any suit.
9. The Company shall not be liable to make any payment in respect of any claim if such claim shall be in any manner fraudulent or supported by any person on behalf of the Insured Owner and/or if the Insurance has been continued in consequence of any material misstatement or non disclosure of any material information by or on behalf of the Insured Owner. In such a case if the Company pays any amount to the claimant due to any Statutory provision, such amount shall be recoverable from the Insured Owner.
10. The Policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been assigned in the Act and the Rules framed thereunder or under this Policy shall bear such specific meaning.
11. Any dispute regarding interpretation of the terms, conditions and exceptions of this Policy shall be determined in accordance with the law and practice of a court of competent jurisdiction within India.

'Policy form - Claims made with right to defend.'



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

By RPAD

CCA-Amendment
(Amendment NO: -AWH- 91868)

No. GPCB/BRCH-B-CCA-143(2)/ID-40137/ 450421
To,
M/s. Bharuch Enviro Infrastructure Ltd,
PLOT NO. D-43, GIDC, Dahej
Dahej-392130, Tal- Vagra,
Dist: Bharuch.

Date: 09/04/2018

Sub: Amendment Consolidated Consent and Authorization (CC&A) under various Environment Acts / Rules.

Ref: Your application Inward No: 127888 dated 09/11/2017.

Sir,

In exercise of the power conferred under section-25 of the water (Prevention of Pollution) Act-1974, the Air Act-1981 and Hazardous and other Wastes (Management & Transboundary Movement) Rules-2016, this Board is empowered to amend consent order in connection with above reference the **CCA Order No.AWH-70720** issued under the provisions of the various Environment Act/ Rules, which stands amended as under.

The consents shall be valid up to **17/04/2020** for operation of secured landfill for disposal of hazardous waste received from member units, MEE, Spray dryer and De-contamination and De-toxification of Drum & tanker at the above mentioned site.

1. Following shall be amended in Condition No. 1 of CCA Order No.AWH-70720:

Sr No.	Products	Capacity
1.	Secured Landfill Site (TSDF)	Cell-1 Capacity 1,28,000 MT(Closed) Cell 2 & 3 Capacity-2,39,640MT (In operation)
2.	Multi Effective Evaporator (MEE)	200KLD
3.	Spray Dryer	4800Kg/Hr
4.	De-Contaminated & De-toxified packing material (drum, carboy, liners etc.)	2,10,240 Nos/Year
5.	De-Contaminated & De-toxified tanker	36,000Nos/year

SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS:-

➤ Unit shall submit and maintain the records of contaminated and De-contaminated tankers.

2. Following shall be amended in condition No. 3 of CCA order No.AWH-70720:

3.1 Total water consumption shall not exceed **511KL/Day.**

Clean Gujarat Green Gujarat
ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

- 3.2 The Waste water generation from process and other ancillary operation shall not **exceed 503KLPD** out of which 200KLPD process w/w, 04 KLPD boiler blow down, cooling & washing and 99 KLPD tanker washing w/w shall be evaporated in Multi Effective Evaporator Plant, in no circumstances either treated or untreated effluent shall be discharged into GIDC drain or anywhere else.
- 3.3 Salt generated from Multi Effect Evaporator system shall be disposed off to TSDF site and records shall be maintained on site.
- 3.4 The Condensate water 200KLPD confirming below standards shall be utilized for gardening/ plantation within the premises of the industry or decontamination.

PARAMETER	PERMISSIBLE LIMIT
pH	6.5 to 8.5
Temperature	40° C
Colour(pt.co.scale)	100units
Suspended Solids	100mg/l
Oil and Grease	10mg/l
Ammonical Nitrogen	50mg/l
BOD(5 days at 20 °C)	30mg/l
COD	100mg/l
Chlorides	600mg/l
Sulphates	1000mg/l
Total dissolved solids	2100mg/l
Percent Sodium	60%
Phenolic compound	1.00mg/l
Cyanides	0.2mg/l
Fluorides	2.0mg/l
Arsenic	0.2mg/l
Total Chromium	2.00mg/l
Hexavalent chromium	0.1mg/l
Copper	3.00mg/l
Lead	0.1mg/l
Mercury	0.01mg/l
Nickel	3.00mg/l
Zinc	5.00mg/l
Insecticides/Pesticides	Absent
Sodium absorption ratio	26
Bio-assay test	90% Survival of fish after 96 hours in 100% effluent

- 3.5 The Entire generated leachate/effluent shall be treated in MEE of BEIL, Dahej. If MEE of BEIL, Dahej is under shut down or under maintenance, the Entire generated effluent and leachate shall be send to MEE of BEIL, Ankleshwar for further treatment.
- 3.6 The project proponent shall not apply and take any type of drainage connection without concurrence of this Board.
- 3.7 The quantity of the domestic waste water (Sewage) shall not exceed **5KL/Day**.
- 3.8 Sewage shall be disposed off through septic tank/soak pit system.

3. Following shall be amended in condition No. 5 of CCA order No.AWH-70720:



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

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- 5.1 M/s. Bharuch Enviro Infrastructure Ltd. is hereby granted an authorization to operate facility for following hazardous waste on the premises situated at Plot No.D-43, GIDC-Dahej, Dahej-392130, Tal-Vagra, and Dist -Bharuch.

Sr. No.	Type of Waste & Category	Quantity	Disposal Mode
1	Used Spent Oil (Cat -5,1)	11Litre/Day	Collection, Storage, Transportation, sale to registered recyclers.
2	Contaminated other cleaning material (use cotton bags) (Cat-33.2)	1,80,000MTPA	Collections, Reception, Storage, transportation & Disposal to TSDF at BEIL, Dahej
3	Empty barrels/containers/ liners contaminated with hazardous chemicals /wastes(Cat-33.1)	2,10,240Nos/Year	Receiving drums from member units, Collection, Storage & Transportation and De-Contamination of the drums within premises.
4	Organic waste (Cat-37.1)	120MTPA	Collection, Storage, Transportation & Disposal to TSDF at BEIL, Dahej
5	Used lead Acid Batteries (Sch-4 item No-17)	10No/Year	Collection, Storage, Transportation, sale to registered recyclers.
6	Salt from MEE system and Spray dryer	17520MTPA	Collection, Storage, Transportation & Disposal to TSDF at BEIL, Dahej

4. The validity and other terms and condition mentioned in the CCA Order No.AWH.70720 dated 18/04/2015 & its amendment no. (1)AWH-80232 vide letter no. GPCB/CCA/BRCH-B-143(1)/ID-40137/362790 dated 14/07/2016 (2) AWH-81993 vide letter no. GPCB/CCA/BRCH-B-143(1)/ID-40137/375053 dated 07/11/2016 (3) AWH-89413 vide letter no. GPCB/CCA/BRCH-B-143(2)/ID-40137430548 dated 16/12/2017 shall remain unchanged.

For And On Behalf of GPCB

D. M. Thaker
7/4/18

(D. M. Thaker)

Environment Engineer

Unit head, Haz waste cell

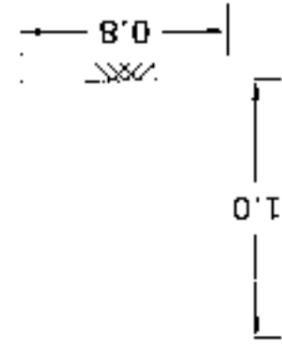
Clean Gujarat Green Gujarat

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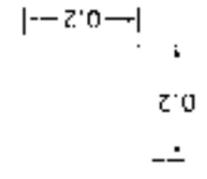
H. W. Storage Area detail

Sr. No.	Storage area	Tag No.	Nos.	Size
1	Sludge Drying Beds	EQ A-D	4	4.0m x 4.0m – Each
2	Hazardous Waste Storage Room - RCC	T-26	1	15m x 11m x 3m Ht.
3	Sludge Drying Beds For STP		2	2.6 m x 2.6 m + 0.3 m Sludge Application

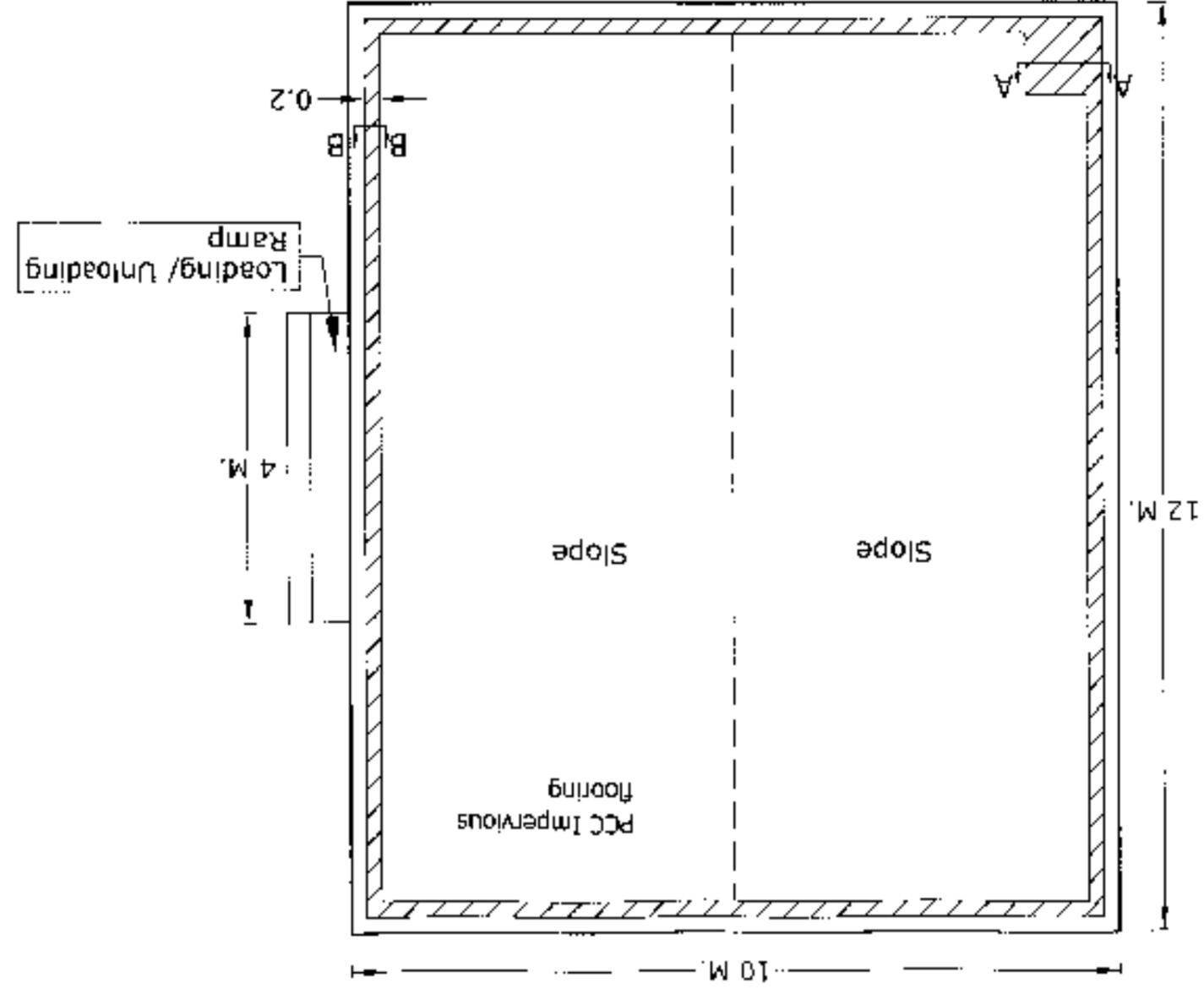
Section A-A



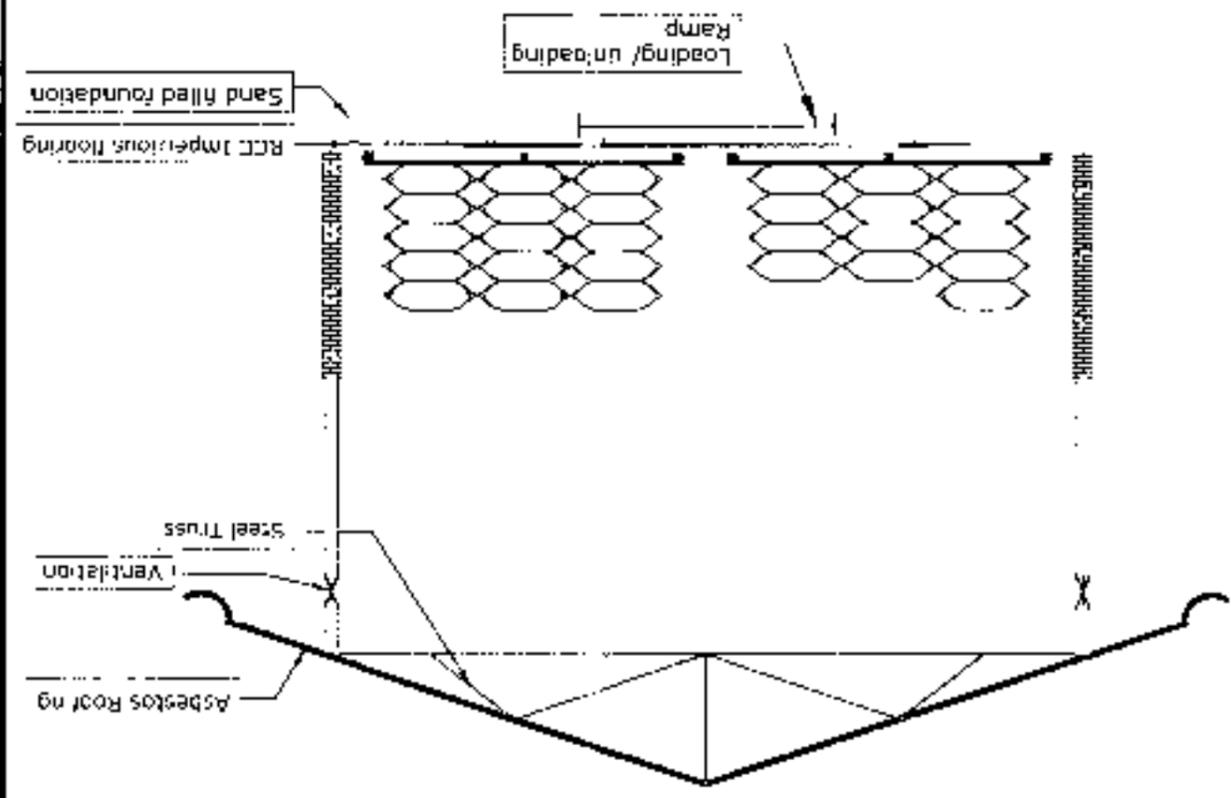
Section B-B



PLAN



ELEVATION





HAZARDOUS
SOLID WASTE
AREA
ETP WASTE
CMT. NO. 243





BHARUCH ENVIRO INFRASTRUCTURE LTD.

Plot No.9701-16, GIDC, Ankleshwar.

PROCEDURE TO BE FOLLOWED FOR LANDFILL MEMBERSHIP

01. Application in standard form (Available at BEIL)
02. Document to be submitted with Application.
 - (i) List of Directors.
 - (ii) List of Raw Materials.
 - (iii) Effluent Treatment flow sheet diagram.
 - (iv) Solid Waste storage facility details.
 - (v) Authorization (Solid Waste) copy of GPCB.
 - (vi) Sludge Analysis Report by approved Laboratory by GPCB.
 - (vii) SSI Certificate.
 - (viii) Plot Allotment Letter.
 - (ix) Board Resolution / Partnership Deed Copy
 - (x) GST Acknowledgment No:-
03. On clearance / scrutinize of Application, fees to be paid by **D.D payable at Ankleshwar (Capacity Commitment Charge / Member Ship Fess Non Refundable).**
 - (a) **Bharuch District – Medium Scale & Large Scale Member**
 - Rs.1500/- Per MT Annual Quantity.
 - GST @ 18% (CGST @ 9% and SGST @ 9%)
04. On clearance / scrutinize of Application, fees to be paid by **D.D payable at Ankleshwar.**
05. Stamp papers of **Rs.50/-** value of fees paid are to be submitted to BEIL. After submission of stamp papers, after 15-20 days for agreement. Please contact the following address:

P.S:- Stamp paper is valid for Six Month from the date of purchase.

06. Agreement to be signed by Authorised person approved by members Board of Directors proof to be submitted.
07. BEIL will issue a **certificate** after signing Agreement.
08. Member has to obtained a valid authorisation from GPCB mentioning permission disposal of solid waste at BEIL. Its copy to be submitted to BEIL otherwise waste not be accepted.
09. A TREM CARD to be submitted to BEIL and to be used for every consignment of waste.
10. Operation charges are to be paid in advance by local Chequ / D.D. as per enclosed sheet.
11. Only following solid waste are accepted as per authorisation given by GPCB to BEIL.

Sr.No.	Waste	Sr.No.	Waste
01.	Gypsum Sludge	06.	Waste Insulation Material
02.	ETP Sludge	07.	Non-Recyclable Plastic Waste
03.	Iron Sludge		
04.	Incineration Ash Sludge.		
05.	Brine Sludge		



BHARUCH ENVIRO INFRASTRUCTURE LTD.

Plot No.9701-9716, GIDC, ANKLESHWAR

Tel No.(02646)253 135, 225 228

APPLICATION FORM

1. Name of the unit :
2. Names of Directors / Partners :
3. Address :
4. Type of Industry : Small Scale / Medium Scale / Large Scale
5. Qty. of solid waste expected to be disposed off in the landfill per annum. :
6. **Capacity Commitment Charge / Membership paid by D. D. Payable at Ankleshwar.** : DD No._____ Date_____ Drawn on_____ for Rs._____

I/We have gone through the details of the landfill facility proposed to be developed at Ankleshwar GIDC Estate. We agree to become a member of the proposed company and would like to utilize the facility on a long term basis. We shall make further payments against equity as shown in the covering letter.

Place :

Date :

(Signature & Rubber Stamp)



BHARUCH ENVIRO INFRASTRUCTURE LTD.

Plot No.9701-9716, GIDC, ANKLESHWAR

Tel No.(02646)253 135, 225 228

SOLID WASTE DATA

PART – I UNIT INFORMATION

- a. Name of the Unit :
- b. Unit In-Charge :
- c. Address of the Unit :

Phone No.:

Email Add:

- d. Location : ANKLESHWAR / PANOLI / JHAGADIA

Sector

- (Tick) : (1) Drugs &Pharma (2) Dyes & Inter
- (3) Pesticides (4) Organic
- (5) Inorganic (6) Others

PART-II PRODUCTS AND BY-PRODUCTS MANUFACTURED:

Major Products/
By-Products

Quantity Per Year

PART-III

- (a) Would you like to avail the facility of proposed Centralized Secured Landfill at Ankleshwar Industrial Estate : Yes / No
- (b) If yes, mention the quantity of solid waste to be disposed off. : _____MT / Year
- (c) Do you have the facility of storing the solid waste in monsoon? : Yes / No
- (d) Whether the unit is having Authorization from GPCB ? If yes attach a copy of the same



BHARUCH ENVIRO INFRASTRUCTURE LTD.

Plot No.9701-9716, GIDC, ANKLESHWAR

Tel No.(02646)253 135, 225 228

PART-IV SOLID WASTE INFORMATION

(A) INFORMATION ABOUT SOLID WASTE TO BE LAND FILLED:

Type of Solid Wastes	Source	Physical property (Slurry / Sludge / Solid)	Quantity	
			Ton Per Day	Ton Per Year
1. Gypsum / Lime Sludge				
2. ETP Sludge				
3. Iron Sludge				
4. Incineration Ash				
5. Brine Sludge				
6. Others				

(B) SOLID WASTE NOT FOR LANDFILL.

Type of Solid Wastes	Source	Physical property (Slurry / Sludge / Solid)	Quantity	
			Ton Per Day	Ton Per Year
1. Treated Heavy Metal Sludge				
2. Treated CN Waste Sludge				
3. Spent Carbon Residue				
4. Spent Activated Clay				
5. Alkaline Sludge				
6. Any Other				

<u>SR. NO.</u>	<u>CUSTOMER NAME</u>	<u>BOOKING</u>	<u>CUST. CITY</u>	<u>GPCB CONSENT NO</u>	<u>STORAGE FACILITY</u>
1	ALKYL AMINES CHEMICALS LTD.	25	DAHEJ	AWH-76129	YES
2	BHARAT RASAYAN LIMITED	3000	DAHEJ	AWH-90645	YES
3	CHLORIDES INDIA	100	DAHEJ	AWH-33367	YES
4	DARAMIC BATTERY SEPARATOR INDIA PVT. LTD.	100	DAHEJ	AWH-83988	YES
5	FERMENTA BIOTECH LTD.	125	DAHEJ	AWH-76123	YES
6	FIRMENICH AROMATICS PRODUCTS (I) PVT. LTD.	400	DAHEJ	AWH-32740	YES
7	GUJARAT FLUORO CHEMICALS LTD. (12/A)	1000	DAHEJ	AWH-16130	YES
8	GUJARAT NARMADA VALLEY FERTILIZERS & CHEMICALS LTD. (TDI DAHEJ UNIT)	1000	DAHEJ	AWH-60288	YES
9	HEMANI INDUSTRIES LTD.-DAHEJ	410	DAHEJ	AWH-65178	YES
10	INDO BAIJIN CHEMICALS PVT. LTD.	158	DAHEJ	AWH-64169	YES
11	INSECTICIDES INDIA LTD.	150	DAHEJ	AWH-77931	YES
12	MEGHMANI ORGANICS LTD. (P. NO.Z-31)	100	DAHEJ	AWH-61030	YES
13	MEGHMANI UNICHEM LLP (P. NO.CH-3)	100	DAHEJ	AWH-48306	YES
14	MEHALI PAPERS PVT. LTD.	150	DAHEJ	AWH-84029	YES
15	NOCIL LIMITED	20	DAHEJ	AWH-53656	YES
16	PIDILITE INDUSTRIES LTD. - DAHEJ	8	DAHEJ	AWH-81053	YES
17	ROXUL ROCKWOOL INSULATION INDIA PVT. LTD.	1000	DAHEJ	AWH-43715	YES
18	SRF LIMITED	300	DAHEJ	AWH-24521	YES
19	TORRENT PHARMACEUTICALS LTD. - DAHEJ	150	DAHEJ	AWH-66310	YES
20	UNIVERSAL CHEMICALS & INDUSTRIES PVT. LTD.	300	DAHEJ	AWH-62153	YES
21	WELSPUN CORP LTD.	20	DAHEJ	AWH-45026	YES
22	TTK PRESTIGE LTD.	45	KARJAN	AWH-59849	YES
23	KERAKOLL INDIA PVT LTD	300	VADODARA	AWH-69417	YES
24	POLYCAB WIRE PVT. LTD. (UNIT-4)	10	VADODARA	AWH-16971	YES
25	INDUCTOTHERM (INDIA) PVT LTD.	25	AHMEDABAD	AWH-77965	YES
26	EURECAT INDIA CATALYST PVT. LTD.	25	JHAGADIA	AWH-55123	YES
27	PAYAL POLYPLAST PVT. LTD.	1224	DAHEJ	AWH-52435	YES
28	TRANSPEK SILOX INDUSTRY PVT. LTD.	1834	VADODARA	AWH-55938	YES
29	PREM INDUSTRY	25	AHMEDABAD	AWH-51688	YES
30	MEGHMANI ORGANIC LTD. UNIT-3	1000	DAHEJ	AWH-40978	YES
31	OIL AND NATURAL GAS CORPORATION LTD. (ONGC) - AHMEDABAD	500	AHMEDABAD	AWH-67587	YES
32	SURVIVAL TECHNOLOGIES PVT. LTD. - UNIT-1	6	ANKLESHWAR	AWH-44075	YES
33	SYNBIOTICS LTD.	75	VADODARA	AWH-66678	YES
34	ALOK INDUSTRIES LTD.	25	VAPI	AWH-55204	YES
35	STANDARD PESTICIDES PVT. LTD.	10	VADODARA	AWH-70858	YES
36	MACLEODS PHARMACEUTICALS LTD.	500	VALSAD	AWH-87207	YES
37	MUNDRA SOLAR PV LIMITED	1580	KUTCH	AWH-22608	YES
38	PHILODEN INDUSTRIES PVT. LTD.	25	VADODARA	AWH-68031	YES
39	LONSEN KIRI CHEMICAL INDUSTRY LTD.	3600	VADODARA	AWH-33583	YES
40	BAKUL PHARMA PVT. LTD.	150	ANKLESHWAR	AWH-69872	YES

BHARUCH ENVIRO INFRASTRUCTURE LTD.
Plot No 43, GIDC, Dahej-392130.

INTERNAL/EXTERNAL/INDUCTION TRAINING/MEETING ATTENDANCE SHEET

Date:	03/04/19
Time:	15:00 hrs
Venue:	MEE Plant.
Topic:	Work Permit (Class - A)
Reference:	

Sr. No.	Name of Participants	Dept.	Sign.
1	Gohil Virat P.	Mech	
2	Pravin Makwana	E.T	
3	Prasanna Patil	Sup	
4	Pratibha Chitambar	IBT	
5	Jitu D. Patil	E.T	
6	Pratik Gajjar	mech	
7	Mr. Kamran	Drum shed	
8	od Suroit	mech	
9	Ramnar Yogesh	mech	
10	Sushikant	Boiler	
11			
12			
13			
14			
15			

BHARUCH ENVIRO INFRASTRUCTURE LTD.
Plot No 43, GIDC, Dahej-392130.

INTERNAL/EXTERNAL/INDUCTION TRAINING/MEETING ATTENDANCE SHEET

Date:	10/04/19
Time:	15:00 hrs.
Venue:	MEE Plant.
Topic:	Work permit (Class-B)
Reference:	

Sr. No.	Name of Participants	Dept.	Sign.
1	Gohil viveel, P.	Mech	
2	Dhobi Suresh	Mech	
3	JITH D AMIR	E-T	JITH AMIR
4	Md. Kamran.	Drumshed.	
5	Pravin Mahwana	E.T	Pm.
6	Rutal chisee	INT	chisee
7	sushikumz	Boiler	V.S.R
8	od Sunit	Mech	od sm.
9	Parmar Yojesh	Mech	Y.J.P
10	Parmar. Jagan	SyP	
11			
12			
13			
14			
15			

BHARUCH ENVIRO INFRASTRUCTURE LTD.
Plot No 43, GIDC, Dahej-392130.

INTERNAL/EXTERNAL/INDUCTION TRAINING/MEETING ATTENDANCE SHEET

Date:	17/04/19
Time:	15:00 hrs
Venue:	MEE Plant
Topic:	Work Permit (CLASS-C)
Reference:	

Sr. No.	Name of Participants	Dept.	Sign.
1	Plabi Sagar	mech	Plabi S. R.
2	ad Sivamit	mech	ad.s.m.
3	Ramraj Toyesh	mech	Y.J.P
4	Jitu D Anir	E.T	Jitu Anir
5	Sushikant	Boiler	V.S.R
6	Rutted chitrey	Inst	chitrey
7	PARNI MAHWADA	E.T	Pm
8	Ramesh phasen	Sup	ph
9	Md. Kamran.	Drumhead	
10	Gohil vijal P.	mech	
11			
12			
13			
14			
15			

BHARUCH ENVIRO INFRASTRUCTURE LTD.
Plot No 43, GIDC, Dahej-392130.

INTERNAL/EXTERNAL/INDUCTION TRAINING/MEETING ATTENDANCE SHEET

Date:	24/04/13
Time:	15:00 hrs.
Venue:	MEE Plant
Topic:	Work Permit (class-D)
Reference:	

Sr. No.	Name of Participants	Dept.	Sign.
1	Dhobi, Sargod	mech	Dhobi S.P.
2	Pannas. Jansen	SUP	Jansen
3	Jitu D. Phir	E-T	Jitu Phir
4	Rathod Chirag	IT&L	Chirag
5	Sushikunde	Boiler	V.S.R
6	Pravin Makwana	E-T	Prm.
7	Gohil virend P.	mech	Gohil
8	Madhukamran.	M&E Drumshead	Madhuk.
9	od. Sunit	mech	od s.m.
10	Purmar. Yash	mech	Y.S.P
11			
12			
13			
14			
15			

BHARUCH ENVIRO INFRASTRUCTURE LTD.
Plot No 43, GIDC, Dahej-392130.

INTERNAL/EXTERNAL/INDUCTION TRAINING/MEETING ATTENDANCE SHEET

Date:	01/05/19
Time:	15:00 hrs
Venue:	MEE Plant.
Topic:	work permit (class-E)
Reference:	

Sr. No.	Name of Participants	Dept.	Sign.
1	Rutheesh chitrey	IT	chitrey
2	ad. Sumanit	mech	ad.s.m.
3	Purneer yogesh	mech	Y.J.P
4	Jitu D Amir	E.T	Jitu Amir
5	Parnoo. daben	Sub	daben
6	sushikant	Boiler	V.S.R
7	BANIN MANKANA	E-T	Bm.
8	Dhobi Sargan	mech	Dhobi S.R.
9	Md. Kamran	Drumshed	Kamran
10	Gohil vijay	mech	Gohil
11			
12			
13			
14			
15			

INTERNAL/EXTERNAL/INDUCTION TRAINING/MEETING ATTENDANCE SHEET

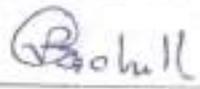
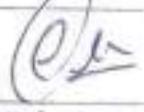
Date:	10/05/2019
Time:	15:00 hrs.
Venue:	MTC plant
Topic:	General safety awareness.
Reference:	

Sr. No.	Name of Participants	Dept.	Sign.
1	Rutnod chisey	Inst	chisey
2	PAVITA MAKWANA	E.T	PM
3	Jitu D. Amiz	E-T	Jitu Amiz
4	Parmar / Jyoti	Sup	Jyoti
5	Dr. Md. Kamran	Drumshed	[Signature]
6	Joshi sagun	mech	Joshi S.R.
7	Sushikant	Boiler	V.S.R
8	Gohil vimal P.	mech mech	Gohil
9	SAHEL MALA	mech	V.S.R
10	od sumit	mech	od S.M.
11	Parmar Yogesh	mech	Y.T.P
12			
13			
14			
15			

BHARUCH ENVIRO INFRASTRUCTURE LTD.
Plot No 43, GIDC, Dahej-392130.

INTERNAL/EXTERNAL/INDUCTION TRAINING ATTENDANCE SHEET

Date :	04/09/19
Time :	14:30
Venue :	Maintenance work shop
Topic :	Safety Permit System
Reference :	

Sr. No.	Name of Participants	Dept.	Sign.
1	Gohil virel.	fitter	
2	Mukewani Atul. A	Fitter	M.A.A
3	Shuilesh Chuhm.	Fitter	Sh
4	Romesh Yogesh	Fitter	Y.J.P
5	chetan Renu	Fitter	
6	Jyotendra hum Vayalka		V.J.A
7	Paresh Bhui. P. Patel	Fitter	P. P. Patel
8	Sandeep Ranu	Maint	
9	Shoaib Master	Maint.	
10			

BHARUCH ENVIRO INFRASTRUCTURE LTD.
Plot No 43, GIDC, Dahej-392130.

INTERNAL/EXTERNAL/INDUCTION TRAINING/MEETING ATTENDANCE SHEET

Date:	16/09/2019
Time:	14:50
Venue:	New ASP/PO plant
Topic:	General safety awareness.
Reference:	

Sr. No.	Name of Participants	Dept.	Sign.
1	Phohi Sargar	mech	Phohi S.R
2	Jitu P Anis	E.T	Jitu Anis
3	od Sunit	mech	od S.m.
4	Parmar Yogesh	mech	Y.T.P
5	SASHIKANT	Biller	K.S.R
6	Pooja Kadam	Sup	Pooja
7	Pratibha Chitrey	Inst	Pratibha
8	Pravina Manwani	E.T	Pm.
9	SOHEL KALB	mcc	SOHEL
10	Gohil Jitesh P.	mech	Gohil
11			
12			
13			
14			
15			

BHARUCH ENVIRO INFRASTRUCTURE LTD.
Plot No 43, GIDC, Dahej-392130.

INTERNAL/EXTERNAL/INDUCTION TRAINING ATTENDANCE SHEET

Date:	24/09/2019
Time:	16:40 hrs.
Venue:	MCC Control room.
Topic:	Work Permit System.
Reference:	

Sr. No.	Name of Participants	Dept.	Sign.
1	Tarun R. Chauhan	Production Dahej	Tarun
2	Hitendra B. Buzad	Production Dahej	H.B. Buzad
3	Jafan mansuri	"	Jafan
4	Md. Kamran.	"	Md. Kamran
5	Shoaib master	maint	Shoaib 24/09
6	Chauhan Shaikesh	"	Shaikesh
7	Pramod Pravin S.	"	P.P.S
8	Vijayendra Prasad	"	V.P.S
9	Rahul Rajgopal	Electrical	R.Rajgopal
10	Sheelgh Vaswani	"	Sheelgh
11	Chetan Rana	maint	Chetan
12	Pooresh Binu P. Pudel	Fitter	P. P. Pudel
13	ad. Sumit	"	ad. Sumit
14	Hena Mujar	Ele.	Hena Mujar
15	Jay Deshpande	Electrical	Jay Deshpande
16			
17			
18			
19			
20			

Annexure 2 B)



Annexure 2 C)







દહેજ ગામ પંચાયત

મુ.પો. દહેજ, તા. વાગરા, જી. ભરૂચ.



DAHEJ GAM PANCHAYAT

AT. & Po. DAHEJ, TA. VAGRA, DIST. BHARUCH.

CP-3-18

તા. ૬ - ૬ - ૨૦૧૬

પ્રતિ શ્રી,

મેનેજર સ્ત્રી
ભરૂચ એલાયસ ઈન્ડસ્ટ્રીઅલ લી.
પ્લોટ નંબર ૬૧, ૪૩
દહેજ

વિષય - મોજે દહેજ ઈન્ડસ્ટ્રીઅલ એન્ડેટ સ્થીત નંબર
ના વિસ્તારે માં લૂકારોપણનું આયોજન આપવા
બાબત.

રેફરન્સ - આપનો તા. ૩૧/૧૨ નો પત્ર.
અમારી ગામ પંચાયતે સામુહિક રીતે વલેના પાંચ(૫)
વર્ષમાં આપની કંપની પકડી અને ગામ પંચાયત પકી નીચે
મુજબનું આયોજન કરેલ છે.

- (૧) બાલીયાદેવ મંદિર તથા ભાઈપુ મુખ્ય મંદિર વર્ષ ૨૦૧૬-૧૭
- (૨) ભુવનરાય ટેમ્પલ વર્ષ ૨૦૧૬-૨૦૨૦
- (૩) હોડા પુર્ણમ્ફુલ વર્ષ ૨૦૨૦-૨૦૨૧
- (૪) દહેજ ચોકડી સ્ત્રી ગામ મુદ્દી વર્ષ ૨૦૨૧-૨૦૨૨
- (૫) રામપુ મંદિર વર્ષ ૨૦૨૨-૨૩

લૂકારોપણ માટે જરૂરી છોડ તથા છોડના અણા માટે સ્ત્રી
પ્રોટેક્ટર કંપની દવાલા પુરા પાડવાના રહેશે.
આભાર મણુ.

જાણપતિ આર. રહા
સુરપંચ
ગામ પંચાયત - દહેજ
તા. વાગરા, જી. ભરૂચ





BHARUCH ENVIRO INFRASTRUCTURE LTD.

WORK ORDER (GENERAL)

Page 1 of 2

(OUR WO MUST APPEAR ON ALL PACKAGES, CHALLAN INVOICES, CORRESPONDENCE ETC)

TO,
SHROFF S.R. ROTARY INSTITUTE OF CHEMICAL
BLOCK NO.: 402, AT: VATARIA, ANKLESHWAR-VALIA
ROAD,
TA: VALIA, DIST: BHARUCH
Contact Person:
Contact Details: 02643-290825, 9727745875/876

WO Date : 17-Jan-2017
WO No : 8516170303
Vendor ID : 1100002375
Accounting : REVENUE
WO Dept : Maintenance
Cost Center : [COMMON]
[ADMINISTRATION]

Reference No:

AMOUNT AS PER WORK ORDER NO : 8516170245 DATED - 23/11/2016

Terms & Conditions:

- 1) PROGRAMME WILL GENERALLY BE CONDUCTED IN ENGLISH. IF IN HINDI/GUJARATI IS REQUIRED, SAME IS TO BE SPECIFIED IN ADVANCE.
- 2) CLASSROOM FACILITIES & AUDIO VISUAL AIDS LIKE COMPUTER, LCD PROJECTOR, SCREEN, WHITEBOARD/BLACKBOARD ETC. ARE TO BE ARRANGED BY BEIL.
- 3) TRAVEL AND JOURNEY EXPENSES FROM SRICT TO BEIL ARE TO BE BORNE BY BEIL.
- 4) SERVICE TAX EXTRA
- 5) PAYMENT WITHIN 30 DAYS FROM THE DATE OF INVOICE.

Sr No.	Item Description	QTY	Unit	Unit Rate	Value (Rs)
1	5S TRAINING/GUIDANCE PROGRAMME Training & Guidance including 1. Basic Idea of 5S Concept with Presentation 2. Implementation Plan & Execution of SEIRI, SEITON, SEISO, SEIKETSU & SHITSUKE with Explanation of Methodology 3. 5S Implementation Audit with Document Preparation 4. Follow up Actions including Document Checking, Jagruti Group Activities, 5S at Home & Pre Audits 5. Certification Audit by External Agency	1.000	JOB	150,000.00	150,000.00
TOTAL ITEM VALUE :					150,000.00
SUBTOTAL VALUE :					150,000.00
TOTAL WORK ORDER VALUE					150,000.00



BHARUCH ENVIRO INFRASTRUCTURE LTD.

WO No : 8516170303

Page 2 of 2

Terms & Conditions:

TIN NO : 24211000192

CST NO : 24711000192 ("C" FORM NOT ISSUED BY M/S. BEIL)

PAN NO : AAACB8075F

CIN NO : U45300GJ1997PLC032696

SERVICE TAX REG. NO : AAACB8075FST001

For BHARUCH ENVIRO INFRASTRUCTURE LTD.

RAJESH MISTRY

(Head Of Department)

B.D. DALWADI

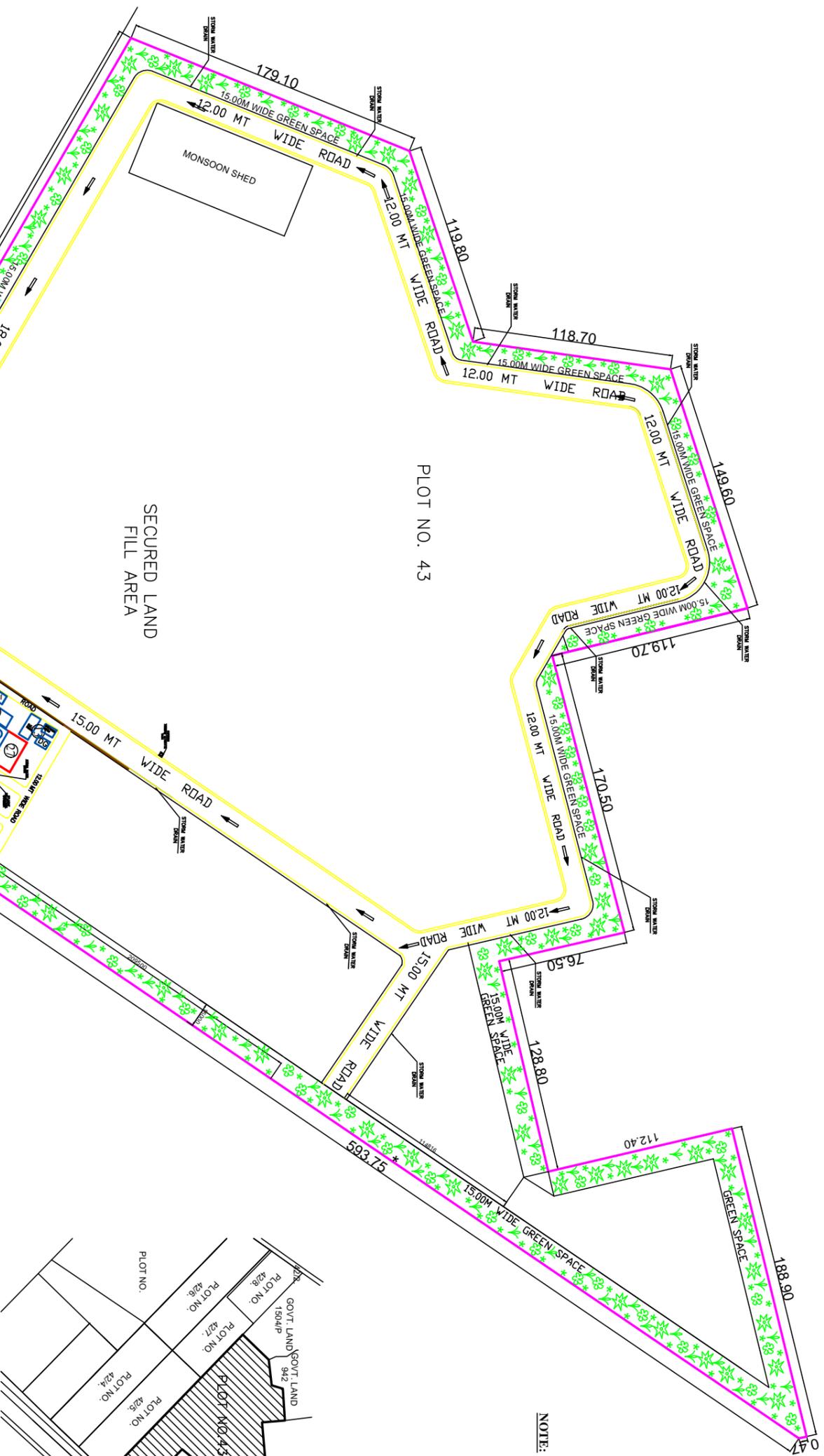
(CHIEF EXECUTIVE OFFICER)



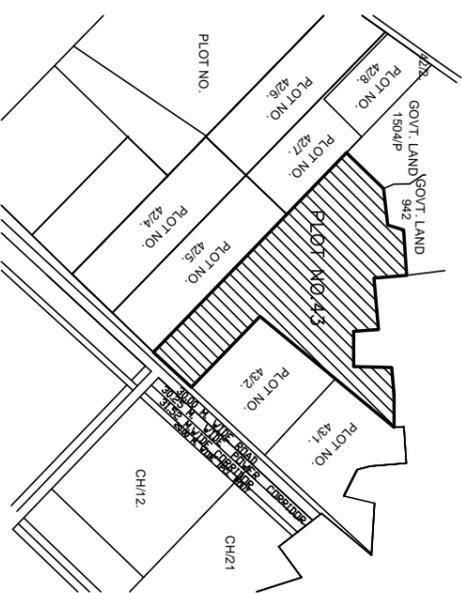
BLDG. NAME

1. SECURITY CABIN
2. ADM BUILDING & LAB
3. MCC/PC & DG ROOM
4. WEIGH BRIDGE
5. FRESH WATER TANK
6. STORAGE SHED
7. DIAPPER TYER WASHING
8. U/G WATER TANK
9. EFFLUENT TANK
10. TANKER DE-CONTAMINATION SHED
11. DRUM DE-CONTAMINATION & DRUM STACKING PLATFORM & ETP TANK & TANK FARM
12. FIRE WATER TANK
- 12/A FIRE WATER TANK
13. H.E. ROOM + D.G.SET
14. CONDENSATE WATER TANK
15. AQUIOUS WASTE STORAGE TANK
16. CENTRIFUGE SHED
17. MEE PLANT
18. COOLING TOWER
19. BOLLER SHED & F.O. TANK
20. CANTENEN
21. H.E. ROOM
22. H.E. ROOM
23. SPRAY DRYING PLANT
24. DM TANK
25. TOILET BLOCK
26. ELE.-CONTROL ROOM
27. STRIPPER PLANT

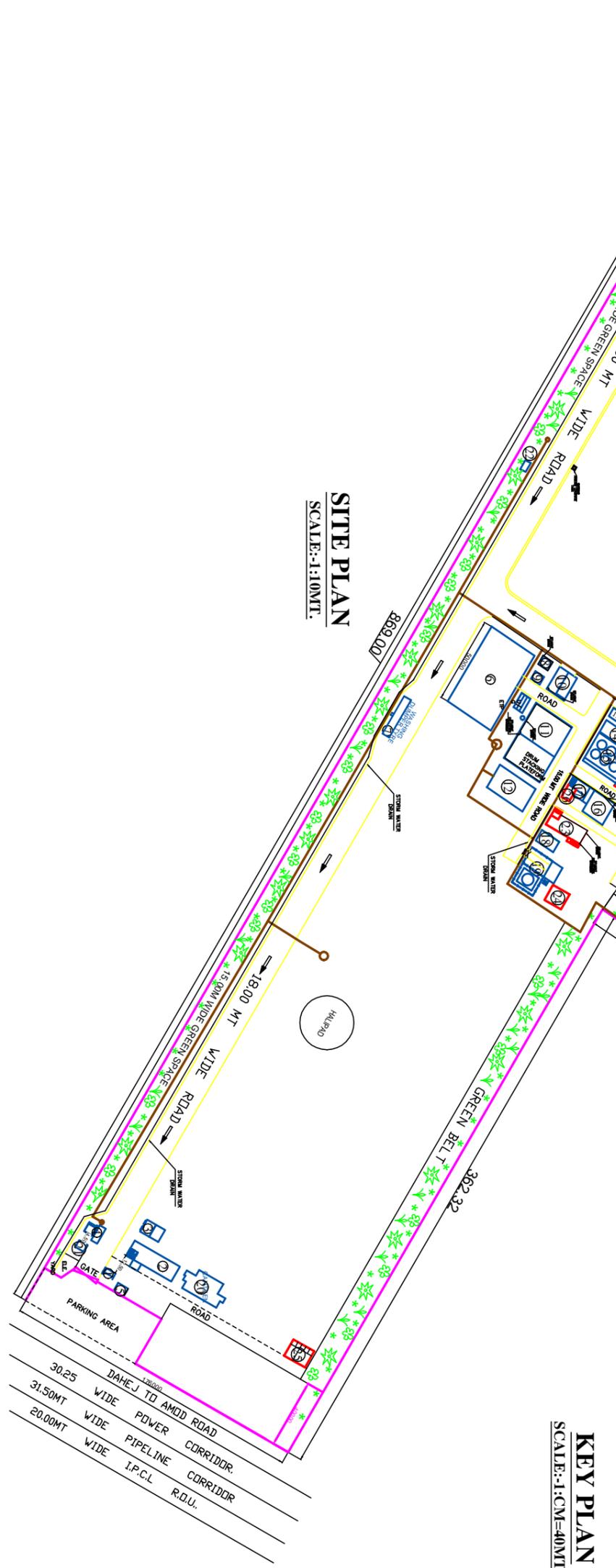
NOTE: PREVIOUSLY PLAN APPROVED BY DJRIS & HF SURAT REGION WIDE LETTER NO. **1637** DATE: 01/04/2016



KEY PLAN
SCALE:-1:CM=40MT.



SITE PLAN
SCALE:-1:10MT.

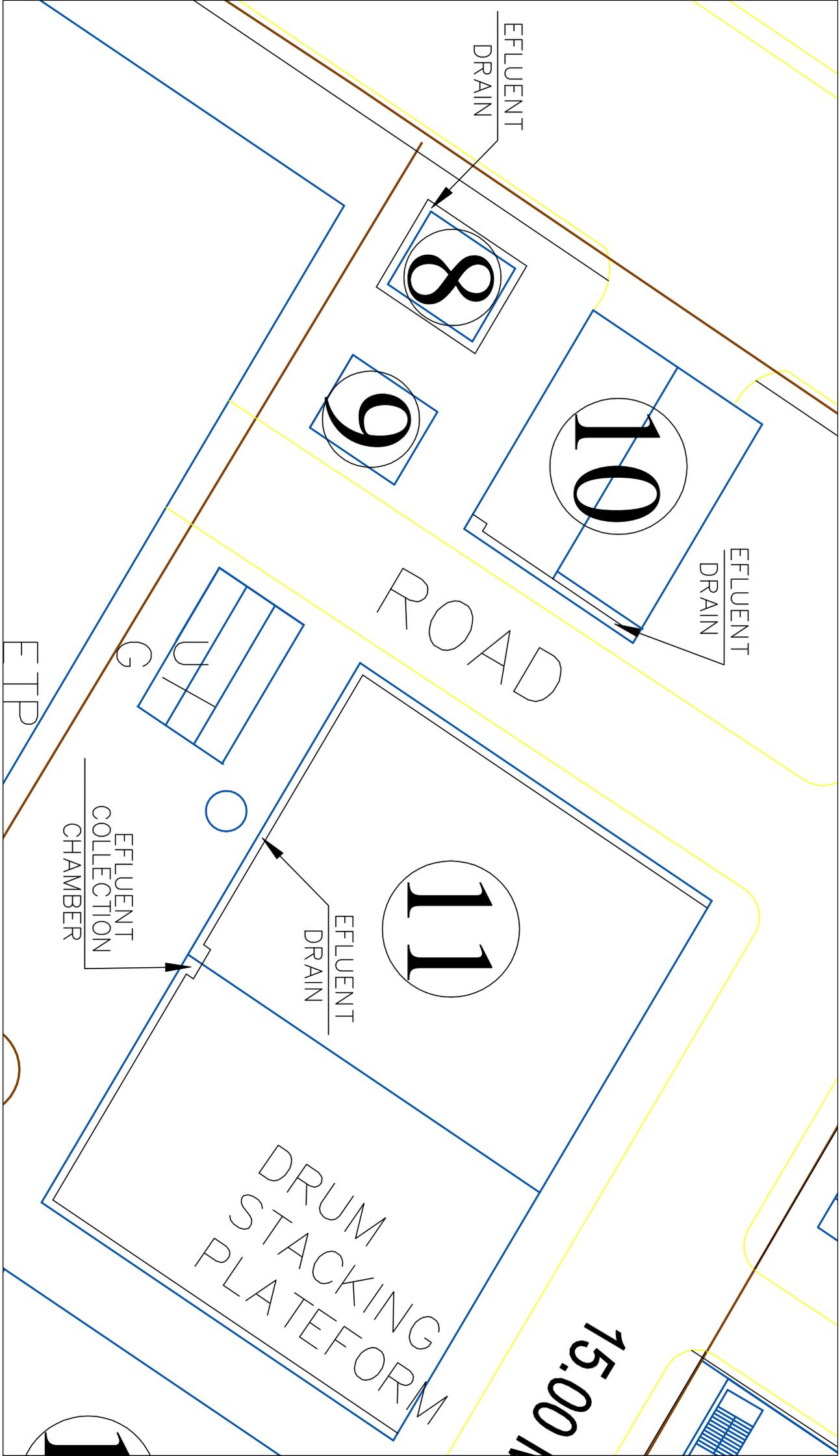


COLOUR CODE

1. PLOT BOUNDARY IS SHOWN
2. EXTENSION AREA IS SHOWN
3. APPROVED AREA IS SHOWN
4. FIRE HYDRANT LINE IS SHOWN

EXTENSION PLAN SHOWING FACTORY BLDG. WITH M/C LAY OUT
BHARUCH ENVIRO INFRASTRUCTURE LTD.
PLOT NO : 43
G.I.D.C., DAHEJ
TAL.: VAGRA
DIST : BHARUCH
SIGN OF OWNER

TITLE :	SITE PLAN & KEY PLAN		
SCALE	DATE	DESIGNED BY	DRG. NO.
1:100	07/03/17	KENYAKARIA	1/3
		M.983447343	
		95588-31856	



EFLUENT DRAIN

8

9

10

EFLUENT DRAIN

ROAD

G

EFLUENT COLLECTION CHAMBER

EFLUENT DRAIN

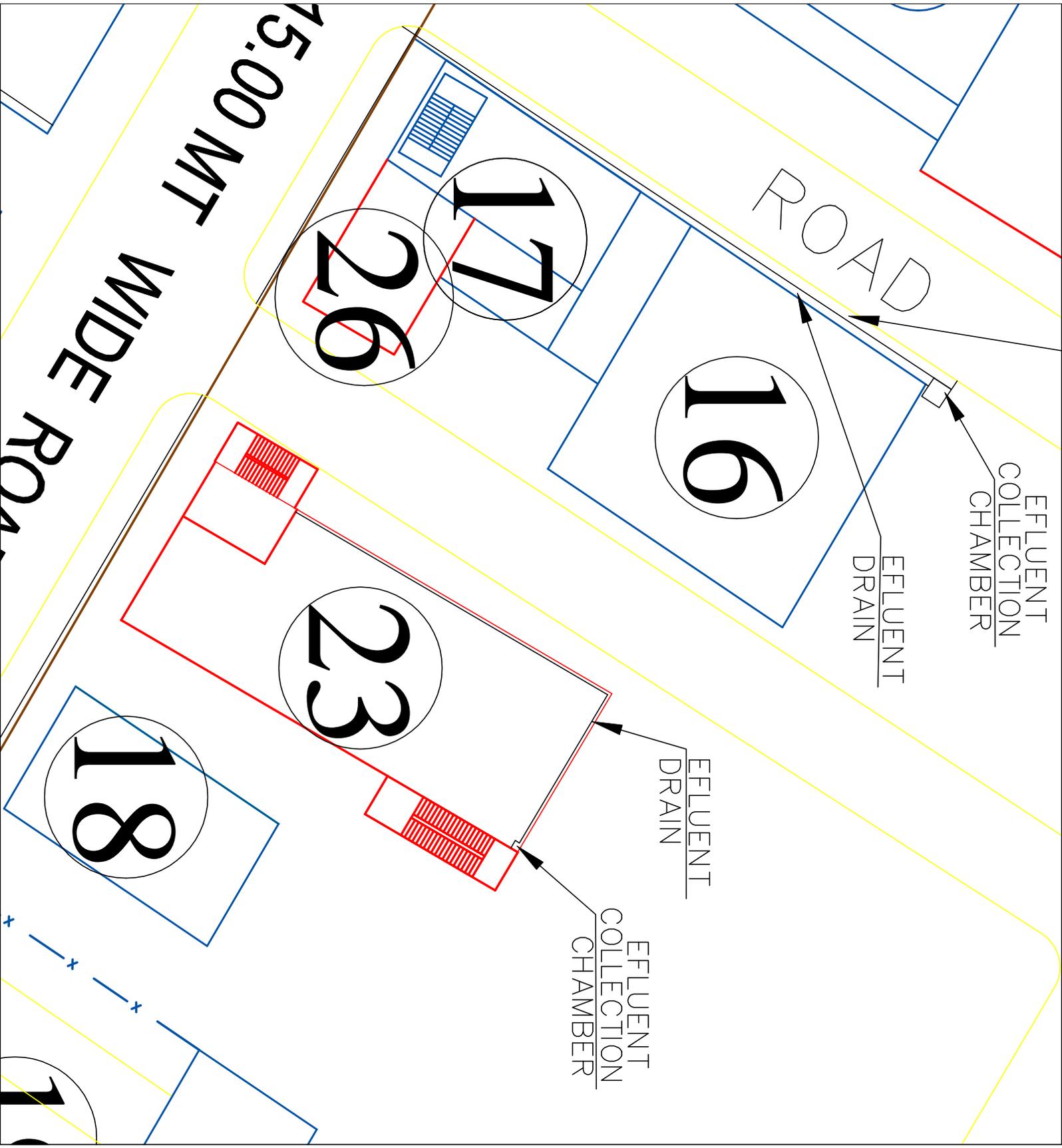
11

DRUM STACKING PLATFORM

15.00 M

FTP

1



**BEIL INFRA STRUCTURE LTD. – DAHEJ
PUBLIC HEARING COMPLIANCE REPORT**

The Public hearing was held on 5th April 2013 at P.J. Chheda Janta Vidyalay, Dahej, Taluka Vagra, Dist. Bharuch, Gujarat at 11:30 Hrs.

Sr. No.	Name and Address	Points represented and / or written submission	Compliance Status
1	Shri Raghuvirsinh Udaysinh Rana Village: Dahej, Taluka: Vagra, District: Bharuch	Whether GPCB is carrying out monitoring of the ambient air parameters SOx, NOx in Dahej Area?	Complied. The regional Officer of GPCB answered that GPCB will contact him for carrying out investigation of His complaint.
		He informed that we cannot sleep outside of our residence during night hrs. If door of house remains open, black layers get form on the utensil in morning due to Air pollution.	Complied. We are carrying out regular monitoring of ambient air & all the parameters are within the limit.
		What should be the minimum distance of the company site from village?	Complied. The minimum distance of site from village should be 0.5 Km as per guideline.
2	Shri Sureshbhai Sanabhai Village: Dahej, Taluka: Vagra,	He informed that development in Gujarat is at very fast and new industries are coming.	Noted.
		They give committeemen's during public hearings and they were given cooperation.	Noted.
		He requested industries to give employment to local people.	Complied. We have appointed 2 person as chemist and as electrician, as well as we are also sponsoring them for their skill development courses.
		He informed that they are not against the developments of industries.	Noted.
		He asked the industries representative what steps will be taken to give the employment.	Complied. We have appointed 2 person as chemist and as electrician, as well as

			we are also sponsoring them for their skill development courses.
		He further added that it should give in written by the industries.	Complied We have given employment to local people. We have appointed 2 person as chemist and as electrician, as well as we are also sponsoring them for their skill development courses.
3.	Shri Pradeep Thakar		As he is not in the definition of local people, he was advised to give his presentation or comment in writing which will be incorporated in minutes. He had not given any Written comment.
4.	Shri J. J. Rajput Member of Dahej Eco-Friendly Society, Village: Dahej, Taluka: Vagra, District: Bharuch	He asked the project proponent what the lesson they have learnt from Ankleshwar BEIL fire incident.	Complied. BEIL fire incident had occurred in 2008 in incinerable waste storage area. In this project we are not receiving any incinerable waste. Therefore there will not be possibility of fire incident. We are receiving the waste as per the acceptance criteria for disposal in TSDF site.
5.	Shri Yogesh Pandya Founder Trustee of Dahej Eco-Friendly Society, Village: Dahej, Taluka: Vagra, District: Bharuch	He informed that various problem are arising along with the development of the area.	Noted
		He added that in Gujarat solution of the problems also beings taken care therefore Gujarat develops at very fast. In connection with development of Dahej area they have develop Dahej Eco-friendly society which is also registered with government.	Noted
		He further insisted that work for the preservation of environment should be carried out site by site of development of Dahej area.	Complied. In Ankleshwar, We have HDPE single liner and here in Dahej we have double liner. We have developed a green belt (4550 Trees) along the periphery according to CPCB guidelines (Total 2, 85,343.76 sq. meters land area is available at site; out of this area about 50,500 (3300 m length * 15 m width) sq. meters (18.46 %) area is considered as greenbelt and other forms of greenery) to minimize fugitive emission. It is an ongoing activity, in this monsoon also we have planted 7532 trees to develop green belt. We have tied up with local Gram Panchayat for developing a garden in around 2200 Sq. meters.
		He further added that Dahej should not be developed like	Noted.

	Ankleshwar and Panoli GIDC.	
	He pointed out the complaints of local residence and asked the industries to take the necessary steps.	Noted.
	He added that this type of project is given subsidiary given by government under various provisions therefore people are accepting solution of their problems related to environment and other issues.	Noted.
	He said that in earlier days hazardous waste was disposed not properly which created heaps but now Gujarat is having maximum number of TSDFs, CETPs and Common Incinerators.	Noted.
	Gujarat is going toward the solution of the problems.	Noted.
	He further added that mistake made once should not be repeated again.	Noted.
	He had given incident of Vapi TSDF in which large amount of hazardous waste had washed out due to heavy rain in nearby area. In connection with the same he asked the project proponent what precaution will be taken in Dahej site?	Complied If the slope is not proper then water logging takes place. We have provided the proper slope and in monsoon, the site will be totally closed so no chance of any incidents.
	In connection with, sea is also nearby, salt pans are also nearby and site is also nearby CRZ limit. He further added that the soil of the area is also black cotton soil and water table is about 2.5 to 3 m depth, also area is having heavy rain as well as heavy wind velocity. What extra – ordinary precautions will be taken of above points?	Complied We have done analysis and survey report by government authority and report says it is 9.0 to 9.5 meter. Based on the report we have commissioned the site. We have excavated 1.8 meter black cotton soil until the yellow soil appears then TSDF commissioned.
	He informed that the site will be favorite for Dahej Eco- Friendly Society and Dahej Industrial association.	Noted
	Considering the transparency and faith representative of Dahej Eco-Friendly Society and Dahej Industrial association will be given chance to visit the construction phase of site development.	Complied We are allowing all the member of Dahej Eco-Friendly Society and Dahej Industrial Association for all activities take place in site, they don't need to take any permission.
	He further inquired that what will be disposal of condensate	Complied.

		of MEE and whether they are going to provide stripper in MEE.	MEE Plant of Capacity 200 KLD has been installed and commissioned in May, 2017. We have applied for the CC&A in May, 2017. Spray Dryer is provided and scrubber is attached.
		He advised that to think for high CV waste for co-processing in Cement Kilns.	Noted. At present it is TSDf only. It will be taken care if incinerator will come in future.
		In connection with that green belt, he advised the project proponent to develop 33% green belt in this site as well as in nearby area of Dahej.	Complied. We have developed a green belt (4550 Trees) along the periphery according to CPCB guidelines (Total 2, 85,343.76 sq. meters land area is available at site; out of this area about 50,500 (3300 m length * 15 m width) sq. meters area is considered as greenbelt and other forms of greenery). It is an ongoing activity, in this monsoon also we have planted 7532 trees to develop green belt. We have tied up with local Gram Panchayat for developing a garden in around 2200 Sq. meters. BEIL & UPL have planted the following 1800 nos near Kadodara 4000 nos in Vav village 2800 nos panyadara 2000 nos in Padariya We have also tied up with local gram panchayat and have prepared a five year plantation plan, wherein we will be providing trees and tree guards to the panchayat.
		In connection with Narmada Parikrama, he advised the industries to give necessary facilitation for this noble cause.	Complied.
		He informed that since 1995 various public hearing were conducted in this school premises but lot of work for the development of school is required to be done. He advised the project proponent to donate for school room as well as its compound wall.	Complied. We have donated Rs. 50000 to Shri P.J. Chheda Janta Vidhyalaya, Rs. 10000 to School Management Committee & Rs. 5000 to Archarya Prathmik Shala, Dahej
6	Shri Haniabhai President of Dahej Industrial Association, Village: Dahej, Taluka: Vagra, District: Bharuch	He said that Dahej Industrial estate is established in 1993. 20 years is passed for the growth.	Noted.
		He added that this project will to come before one year but due to some reason, project is	Complied We applied to GIDC for land on 06.04.2009 and got allotment &

		delayed. We welcomed the project.	possession on 28.09.2011 & 04.08.2011 subsequently. We have started the landfill site in April 2015 after getting all the required approvals.
		He further added that Dahej Eco-Friendly Society and Dahej Industrial Association will have environment cell. 77 industries is located in Dahej Industrial Estate. All members will work together and this project has to be completed at the earliest.	Complied We have started the landfill site in April 2015 and are become member of Dahej Eco-Friendly Society and Dahej Industrial Association.
		In connection with Narmada Parikrama, he advised the industries to give necessary facilitation for this noble cause. He added that Narmada Parikrama was started in 1993.	Complied.
		He asked that how fast the project will come and ask to give the completion date. Rate should be competitive with other TSDFs.	Complied We have started the landfill site in April 2015
		He advised to project proponent the CETP should also come and start as you have experience of existing site.	Noted
		He also appreciated the cooperation of the surrounding villages' people.	Noted
7.	Mr. Sunil Jain Member of Dahej Eco-Friendly Society, Village: Dahej, Taluka: Vagra, District: Bharuch	What is the provision of rain water harvesting in premises?	Noted for compliance We will carry out rain water harvesting.
		What is planning or arrangement for parking the trucks-vehicles to carry the hazardous waste to project site?	Complied 1000 Sq. Mt. Parking area is provided for trucks-vehicles.
		What care is taken for the nearby existing water tanks due to transportation of vehicles?	Complied Hazardous waste is being transported in dedicated vehicles and it is completely covered. If any mishap will happen, we will collect the waste and then it will be disposed in TSDF.
8.	Shri Narendrasinh Rana Chairman of P J Chheda School & BJP Dahej Gram Panchayat, Village: Dahej, Taluka: Vagra, District: Bharuch	He said that company had given satisfied answer. They will fulfil their commitments. The development of high school should be taken care off by industries.	Complied We have donated Rs. 50000 to Shri P.J. Chheda Janta Vidhyalaya, Rs. 10000 to School Management Committee & Rs. 5000 to Archarya Prathmik Shala, Dahej
		He added that development of industries taken place without any unrest industries.	Complied. We, Dahej Industrial Association, Dahej Eco-Friendly Society and Villagers shall get together for all activities either technical or CSR.

		And all public hearing has been done here only and industrial growth without any accident with industries and villagers.	Noted
		He requested to industries that they should contribute in CSR activities as well as for education facility.	Complied We have donated Rs. 50000 to Shri P.J. Chheda Janta Vidhyalaya, Rs. 10000 to School Management Committee & Rs. 5000 to Archarya Prathmik Shala, Dahej. We are also contributing towards all CSR activities in Dahej Area.
9.	Shri Pradyumansinh Natvarsinh Rana Village: Dahej, Taluka: Vagra, istrict: Bharuch	He asked that who is the responsible to dispose the hazardous waste here and there by other industries.	Noted If any complaints registered, then necessary actions will be taken in consultation with Dahej Industrial Association and GPCB.



BHARUCH ENVIRO INFRASTRUCTURE LTD.

(Unit - Dahej)

CIN-U45300GJ1997PLC032696

18th September 2018

To,
The Collector,
Collector Office,
Bharuch

Sub: Contribution for socio-economic upliftment of surrounding villages.

Respected Sir,

We at BEIL, Dahej would like to contribute for socio-economic upliftment of the surrounding villages, including community welfare programmes for the overall improvements of the environment. For this purpose, BEIL has allocated a budget of 40 lakhs distributed over 5 years of span as per the table below

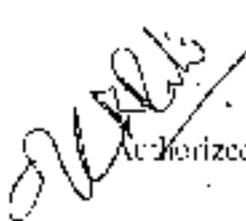
Year	Rs. (Lakhs)
18-19	10
19-20	10
20-21	10
21-22	5
22-23	5

We therefore request your kindness to let us know whenever we can contribute in an activity towards the socio-economic upliftment of the surrounding community

Request you to take note of this and do the needful.

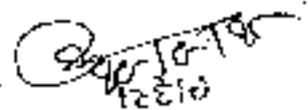
Thanking You,

For Bharuch Enviro Infrastructure Limited


Authorized Signatory

Copy To :
D.D.O., Bharuch


કચ્છ જિલ્લા
કલેક્ટર
કચ્છ


કચ્છ જિલ્લા
કલેક્ટર
કચ્છ