

¹[FORM – V]

(See rule 14)

Environmental Statement for the financial year ending the 31st March, 2018

PART – A

(i)	Name and address of the owner/occupier of the industry operation or process.	Chief Executive Officer, Baddi Infrastructure, Jharmajri, Baddi, Distt. Solan
(ii)	Industry category Primary ----(STC code) Secondary.-----(SIC Code)	Collection, conveyance and treatment of industrial wastewater in Common Effluent Treatment Plant NIC Code:37001, 37002, 37003.
(iii)	Production capacity (units)	Treatment of industrial wastewater with installed capacity of 25 MLD
(iv)	Year of Establishment	2014
(v)	Date of the last environmental statement submitted	24 th July 2016

PART – B

(i) Water and Raw Material Consumption ()

- (1) Water consumption m³/d:
Process - 1.0 KLD
Cooling - NIL
Domestic - 2.0 KLD

Name of Products	Process water consumption per unit of product output.	
	During Previous Financial Year 2016-17	During Current Financial Year 2017-18
	(1)	(2)
No manufacturing, only Treatment of industrial wastewater	NA	NA

2) **Raw Material Consumption ()**

*Name raw material	Name of Products	Process raw materials consumption per unit of product output.	
		During Previous Financial Year 2016-17	During Current Financial Year 2017-18
		(1)	(2)
Various Chemical used for treatment of Industrial waste water			Report to be attached at Annexure -I

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

PART-C

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

1) Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
a) Water	Untreated industrial effluent is treated in the CETP. As such no pollutant is discharged from the plant.	Chloride & TDS found marginally higher in latest report of 14-03-2018	Chloride : 12.5% TDS : 5.6 %
b) Air		Report to be attached at Annexure- II	Within norms

PART - D

Hazardous Wastes ()

(as specified under Hazardous Waste Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg.)	
	During the previous Financial Year 2016-17	During the current Financial year 2017-18
a. From Process	8741.41 MT	7946.325 MT
b. From Pollution Control Facilities	NIL	Report to be attached at Annexure- III

PART - E
Solid Wastes ()

Solid Wastes	Total Quantity (Kg)	
	During the previous Financial Year	During the current Financial year
a. From Process	NIL	NIL
b. From Pollution Control Facilities	NIL	NIL
c. Quantity	NIL	NIL
(1) Recycled or re-utilized within the unit	NIL	NIL
(2) Sold	NIL	NIL
(3) Disposed	NIL	NIL

PART - F ()

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

Haz Waste is generated from the physio - chemical & biological treatment of the effluent received from the member Industries of Baddi & Barotiwala area. The generated waste is immediately sent for the disposal to TSDF site.

PART - G

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

Water is used only for the domestic purposes. Treated water is used for the preparation of chemicals for the dosing purposes.

PART - H

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

PART - I

Any other particulars for improving the quality of the environment.

Baddi Infrastructure


Chief Executive Officer

ANNEXURE - I

SUMMARY OF THE RAW MATERIALS USED DURING THE F.YEAR 2017-18.

Raw Material Name	Qty (Kg)
Lime	4200
FeSO ₄	366
PE. Anionic	1088.5
PE. Cationic	6016
PAC Liquid (Spent)	975305
Phosphoric Acid	7595
Ferric Chloride	50
Urea	21000
Fin Defoamer18	100
DAP	11000
Jaggaery	6548

ANNEXURE-II



Shivalik Solid Waste Management Limited

(LABORATORY DIVISION)

Regd. Office : Village Majra, P.O. Dabhota, Teh. Nalagarh, Distt. Solan, Himachal Pradesh - 174 101
 Telefax : 01795-260427, E-mail: rajeev.thakur@beil.co.in

GSTIN : 02AAJCS7647D1ZE CIN:U33130HP2005PLC028806



TEST CERTIFICATE

Report No. : SSWML/LAB/17-18/EM/AS/02361

F/5.10.01
 Date: 13.03.2018
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Name and Address of the Customer	M/s Bharuch Enviro Infrastructure Ltd., CETP -Baddi, Tehsil Baddi, Distt. Solan (H.P.)		
Work Order Ref.	MSF 4.4-01 dtd: 10.03.2018	Sample Identification/Code	120318-A-02
Sample Description	Emission	Date of Sampling	10.03.2018
Sampling Location	DG Stack No.-2 (625 KVA)	Date of Receipt of Sample	12.03.2018
Sampling Team	Mr. Ashok & Team	Date of Start of Analysis	12.03.2018
Sampling Protocol	Lab SOP	Date of Completion of Analysis	13.03.2018
Mode of Receipt of Sample	Sampled by SSWML		
Quantity Packing, Markings, Seal: Received in plastic bottles & plastic case.			

Sampling Details:

1. Ambient air Temperature (°C) avg.	32	5. Stack height from the ground level; (m)	4.5
2. Stack Gas Temperature (°C) avg.	312	6. Stack Diameter (m)	0.15
3. Stack Gas Velocity avg. (m/Sec)	8.46	7. General Environmental Conditions	Clear Sky
4. Actual duration of sampling (Minutes)	54		

Sr. No.	Parameters	Unit	Result	Standard Limits	Method Reference
1	Particulate Matter	g/KW-hr	0.005	<0.2	IS:11255(Part-1):1985 RA2014
2	Nitrogen Oxides as NO ₂	g/KW-hr	0.004	<4.0 for NO _x +THC	IS: 11255 (Part-7):2005 RA 2012
3	Sulphur Dioxide as SO ₂	mg/Nm ³	ND (DL=3.0)	----	IS: 11255 (Part-2):1985 RA 2014
4	*Carbon Monoxide as CO	g/KW-hr	1.098	≤3.5	T/AE-04 issue no.2 dated 01.08.15
5	*Hydrocarbon	%	ND(DL=0.01)	----	T/AE-04 issue no.2 dated 01.08.15

Remarks:- 1. The tests marked with * are not covered in NABL Scope.
 2. Where ND is Not detected & DL is detection limit

Terms and conditions governing the test report issued

- The test report shall not be reproduced in full or part without the written approval of the SSWML Laboratory.
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For Shivalik Solid Waste Management Ltd.

Analysed By
 (RANKAJ KUMAR)

Authorized Signatory
 SANJEEV KUMAR

ANNEXURE-III

**SUMMARY OF THE WASTE GENERATED & DISPOSED
DURING THE F. Y. 2017-18.**

MONTH	Qty [MT]
April,17	281.500
May,17	583.000
June,17	921.055
July,17	714.155
Aug,17	440.810
Sept,17	556.865
Oct,17	457.350
Nov,17	692.835
Dec,17	586.425
Jan,18	964.320
Feb,18	740.450
March,18	1007.560
Total	7946.325