CIN No. : L26943RJ1979PLC001935

Phone : 01462 228101-6
Toll Free : 1800 180 6003 / 6004
Fax : 01462 228117 / 228119

E-Mail : shreebwr@shreecementItd.com

Website : www.shreecement.in





### SHREE CEMENT LTD.

SO 9001 BSI PM 66533





Regd. Office:
BANGUR NAGAR, POST BOX NO.33, BEAWAR 305 901, RAJASTHAN, INDIA

SCL/Ras/Unit-VII/Env. Statement/2020-2021/603->

Date: 10/09/2020

File No. C-164

Speed Post

To,

The Member Secretary,

Rajasthan Pollution Control Board,

4, Institutional Area, Jhalana Doongri Road,

JAIPUR-302004 (Rajasthan)

Sub: - Environmental Statement for the period from April 2019 to March 2020 for Cement Plant Unit-VII of M/s Shree Cement Limited situated at Village- Ras Bhimgarh, Tehsil- Jaitaran, Dist- Pali (Raj).

Ref: - (1) CTO No.- F(Tech)/Pali(Jaitaran)/2(1)/2008-2009/11913-11915dated: 30/03/2017.

(2) CTO No.- F(Tech)/Pali(Jaitaran)/2(1)/2008-2009/3124-3126 dated 08/08/2018

Respected Sir,

We are submitting herewith Environmental Statement for the period from April 2019 to March 2020 for Cement Plant Unit-VII (Without Cement grinding) of M/s Shree Cement Limited situated at Village- Ras Bhimgarh, Tehsil- Jaitaran, Dist- Pali (Raj).

This is for your kind information please.

Thanking you, Yours faithfully,

For Shree Cement Ltd:

106.

(Dr. Anil Kumar Trivedi) Sr. GM (Environment)

Encl: a/a
Copy to:-

 Chief Conservator of Forests (Central), Ministry of Environment & Forests, Central Regional Office, Kendriya Bhawan, 5<sup>th</sup> Floor Sector H, Aliganj, Lucknow – 226024 (U.P.)

2. The Regional Officer (Regional Office), Rajasthan Board for the Prevention & Control of Pollution, S / A-6, Mandia Road, Industrial Area, Near Pali Urban Co-Operative Bank, PALI- MARWAR- 306401 (Rai.)

olc SCL

JAIPUR OFFICE : SB-187, Bapu Nagar, Opp. Rajasthan University, JLN Marg, Jaipur-302 015 Phone : 0141 4241200, 4241204, Fax : 0141 4241219

NEW DELHI OFFICE: 122-123, Hans Bhawan, 1, Bahadurshah Zafar Marg, New Delhi 110 002

Phone: 011 23370828, 23379218, 23370776, Fax: 011 23370499

CORP. OFFICE: 21, Strand Road, Kolkata 700 001 Phone: 033-22309601-4 Fax: 033 22434226

#### **ENVIRONMENTAL STATEMENT**

#### FORM - V

M/s Shree Cement Limited: Unit-VII Period from: April 2019 to March 2020

#### PART - A

		Cement Plant Unit-VII
	Name and address of the Owner /	M/s Shree Cement Ltd.
1.	Occupier of the Industry operation	Village: Ras/Bhimgarh,
	or process	Tehsil: Jaitaran, Dist:Pali - 306107
		(Rajasthan)
	Industry Category	
2.	Primary (S.T.C. Code)	Red Category
	Secondary (S.T.C. Code)	
3.	Production Capacity	1.55 Million TPA Clinker
4.	Year of Establishment	2009
5.	Date of the last Environmental	10/09/2019
J.	Statement Submitted	10/09/2019

### <u>PART – B</u> WATER AND RAW MATERIAL CONSUMPTION

#### (I) <u>WATER CONSUMPTION:</u>

**Process** 

N.A. (As plant is based on dry

Process technology)

Cooling and dust

:

27883 KL

Suppression

Domestic

63987 KL (Common for Cement Plant,

Power Plant Synthetic Cement Plant &

Mines)

Name of	Process Water Consumption	on per Unit of Product Output
Product	During Previous Financial Year (2018-2019)	During Current Financial Year (2019-2020)
Clinker	0.0263 KL/MT of Clinker	0.0296 KL/MT of Clinker

#### (II) RAW MATERIAL CONSUMPTION:

		Consumption of Raw Material Per Unit of Output (Clinker		
Name of Raw Material	Name of Product	During Previous Financial Year (2018-2019)	During Current Financial Year (2019-2020)	
1. Limestone		1.492	1.487	
2. Laterite /Iron Ore	on Ore		0.0211	
3. Slag	Clinker	0.000	0.000	
4. Performance Improver		0.000	0.000	
5. Coal & Pet Coke		0.0944	0.0997	

#### (III) POWER CONSUMPTION (KWH/T OF CLINKER):

During Previous	<b>During Current</b>
Financial Year	Financial Year
(2017-2018)	(2018-2019)
52.70	50.91

#### (IV) TOTAL CLINKER PRODUCTION (MT):

<b>During Previous</b>	<b>During Current</b>
Financial Year	Financial Year
(2017-2018)	(2018-2019)
1105435	939964

#### PART - C

#### DISCHARGED TO ENVIRONMENTAL / UNIT OF OUTPUT

Pollutants	Quantity of Pollutants Discharged (Mass/Day)	Concentration of Pollutants in Discharge (Mass/Value)	Percentage of variation from prescribed standard with reasons
(a)	Water	no liquid effluent is general The waste water general canteen is being treated sludge generated is be horticulture activities.	ated on dry process technology, ated from the cement plant. ted from the office toilet and in STP and treated water & eing used in plantation & treated water is attached as
(b)	Air	Please refer Annexure – 1	& 2

#### PART – D HAZARDOUS WASTE

(As specified under Hazardous Wastes (Management, Handling & Trans boundary Movement Rule, 2016)

Hazardous	Total Quantity (Ltrs.)			
Waste	During Previous Financial Year (2018-2019)	During Current Financial Year (2019-2020)		
a) From Process (Cement manufacturing is based on "Dry Process" No Hazardous waste is generated from the process except used oil which is drained from Machinery / Equipments)	Hazardous Waste Management & Handling for Cement Plant, Power Plant, Synthetic Gypsum Plant, D.G.Set and Nimbeti Limestone Mines.  Total Quantity generated from April-2018 to March-2019  = 12780 Ltrs.	Cement Plant, Power Plant, Synthetic Gypsum Plant, D.G.Set and Nimbeti		
(b) From Pollution Control Facilities	N.A.	N.A.		

#### PART – E SOLID WASTE

Sr.	Particulars	Total Quantity		
No.		During Previous Financial Year (2018-2019)	During Current Financial Year (2019-2020)	
(a)	From Process	NA	Nil	
(b)	From Pollution Control Facility	Dust collected in the ESPs, Bag Houses and Bag Filters are recycled to the system.		
(c)	1. Quantity rejected or reutilized within the unit	100%	100%	
	2. Sold	NA	Nil	
	3. Disposed	NA	Nil	



#### PART - F

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

#### **Hazardous Wastes**

A. Cement manufacturing is based on "Dry Process" technology. No Hazardous waste is generated from the process except used oil which is drained from machineries / equipment. Used oil is being Co-processed in cement kiln as authorization obtained from RSPCB. Old and scrap lead acid batteries are sold to CPCB authorized recyclers.

Sr.	Particulars	Total Quantity		
No.		During Previous Financial Year (2018-2019)	During Current Financial Year (2019-2020)	
1	Used oil (Co processed in Cement Kiln)	12780 KL	26820 KL	
2	Lead acid battery waste (Sell to authorized recycler)	7.854 MT	4.986 MT	

B. Hazardous wastes were received and co-processed as specified under Hazardous Wastes (Management, Handling &Trans boundary Movement Rule, 2016) during the Current Financial Year (2019-2020) – (During the Period of April -2019 to March-2020

S. No.	Type of hazardous waste	Category	Quantity (MT)
1	a) Paint Sludge	21.1	1913.782
2	b) ETP/CETP Sludge	35.3	21572.714
3	c)Phosphate sludge	12.5	199.395
4	d) Oil soaked cotton, Industrial Waste, residue containing oil, Grinding sludge etc.	5.2	4526.749
5	e) Spent acid	26.3	33072.88
6	f) Incineration ash	36.2	95.685
7	g) SOBM	2.1	32126.544
8	h) Cotton rags	33.2	68.645

9	i) Spent Clay	4.5	501.973
10	j) Waste or residues	23.1	2099.45
11	k) Organic Residue	4.4	33.402
12	1) Spent Carbon	28.3	293.33
13	m) Co-Incenerable waste	28.2	668.12
14	n)Distillation residue	28.1	684.92
15	o) Spent Solvent	28.6	551.915
16	p) Plastic waste	33.1	25.42
17	q) Iron Sludge	26.1	1036.34
18	r) Other Waste	N.A	354.84
Total Quantity			99826.104

#### **Bio-Medical Wastes:**

Bio-medical waste generated is common for cement plant, power plant and mines during current financial year April 2019 to March 2020 under the Bio-Medical Waste (Management & Handling) Rules 2016, are as follows.

	Bio-M	Bio-Medical Waste Quantity (Kg) as per Color Coding			
Period	R	ed	Blue	Yellow	White
April 2018 March 2019	39	.21	28.448	41.065	32.01
	to				
March 2020	49	.00	46.3	19.83	24.171

Above mentioned waste has been sent to Sales Promoter, CBWTF Bio Medical Treatment Facility, Jaipur Bye Pass Road, Ajmer (Raj.) for disposal.

#### **E- Wastes:**

Particulars	Total Quantity						
	During Previous Financial Year (2018-2019)	During Current Financial Year (2019-2020)					
From Process	Nil	Nil					
From Pollution Control Facility	Nil	Nil					



<u>Solid Wastes:</u> - Other Municipal solid waste generated from all units (Cement Plant, Power Plant, and Nimbeti Limestone Mines) of the entire campus is being collected, manage and disposed as per MSW Rules, 2016.

#### **Battery Wastes:**

As specified under Batteries (Management and Handling) Amendment Rules, 2010, we have purchased following new batteries of different categories is common for cement plant, power plant and mines –

	Number of new batteries of different categories purchased from the manufacturer / importer / dealer or any other agency		Year Financial Apr 2018 to 31st	Current Year Financial Year (1st Apr 2019 to 31st Mar 2020)			
	Category:	(i) No. of Batteries (ii) Approximate Weight (In Metric Tonnes)					
	(i) Automotive						
	a) Four wheeler	219	9.568	195	4.917		
	b) Two wheeler	Nil	Nil	Nil	Nil		
	(ii) Industrial						
	a) UPS	66	0.563	310	9.166		
	b) Motive Power	Nil	Nil	Nil	Nil		
	c) Stand –by	Nil	Nil	Nil	Nil		
	(iii) Others	Nil	Nil	3	0.004		
	Total	285 Nos	10.131 MT	508 Nos	14.087 MT		
2.	mentioned in Sl. No 3 and Tonnage of	Previous Y	ear Financial	Current Y	ear Financial		
2.	mentioned in Si. No 3 and Tonnage of scrap sent manufacturer /dealer /importer /registered recycler/or any other agency to whom the used batteries scrap was sent		pr 2018 to 31st		Apr 2019 to 31st		
•	scrap sent manufacturer /dealer /importer /registered recycler/or any other agency to whom the used batteries	Year (1st A	pr 2018 to 31st	Year (1st A	Apr 2019 to 31st		
•)	scrap sent manufacturer /dealer /importer /registered recycler/or any other agency to whom the used batteries scrap was sent	Year (1st A Mar 2019)  (i) No. of	(ii) Approximate Weight (In	Year (1st A Mar 2020)	(ii) Approximate Weight (In		
•)	scrap sent manufacturer /dealer /importer /registered recycler/or any other agency to whom the used batteries scrap was sent  Category:	Year (1st A Mar 2019)  (i) No. of	(ii) Approximate Weight (In	Year (1st A Mar 2020)	(ii) Approximate Weight (In		
•	scrap sent manufacturer /dealer /importer /registered recycler/or any other agency to whom the used batteries scrap was sent  Category:  (i) Automotive	Year (1st A Mar 2019)  (i) No. of Batteries	(ii) Approximate Weight (In Metric Tonnes)	Year (1st A Mar 2020) (i) No. of Batteries	(ii) Approximate Weight (In Metric Tonnes)		
•	scrap sent manufacturer /dealer /importer /registered recycler/or any other agency to whom the used batteries scrap was sent  Category:  (i) Automotive  a) Four wheeler  b) Two wheeler	Year (1st A Mar 2019)  (i) No. of Batteries	(ii) Approximate Weight (In Metric Tonnes)  7.854	Year (1st A Mar 2020)  (i) No. of Batteries	(ii) Approximate Weight (In Metric Tonnes) 4.986		
•	scrap sent manufacturer /dealer /importer /registered recycler/or any other agency to whom the used batteries scrap was sent  Category:  (i) Automotive  a) Four wheeler	Year (1st A Mar 2019)  (i) No. of Batteries	(ii) Approximate Weight (In Metric Tonnes)  7.854	Year (1st A Mar 2020)  (i) No. of Batteries	(ii) Approximate Weight (In Metric Tonnes) 4.986		
	scrap sent manufacturer /dealer /importer /registered recycler/or any other agency to whom the used batteries scrap was sent  Category:  (i) Automotive  a) Four wheeler  b) Two wheeler  (ii) Industrial	Year (1st A Mar 2019)  (i) No. of Batteries  301  Nil	(ii) Approximate Weight (In Metric Tonnes)  7.854 Nil	Year (1st A Mar 2020)  (i) No. of Batteries  168  Nil	(ii) Approximate Weight (In Metric Tonnes  4.986 Nil		
	scrap sent manufacturer /dealer /importer /registered recycler/or any other agency to whom the used batteries scrap was sent  Category:  (i) Automotive a) Four wheeler b) Two wheeler (ii) Industrial a) UPS	Year (1st A Mar 2019)  (i) No. of Batteries  301  Nil	(ii) Approximate Weight (In Metric Tonnes)  7.854 Nil 0.896	Year (1st A Mar 2020)  (i) No. of Batteries  168  Nil	(ii) Approximate Weight (In Metric Tonnes)  4.986 Nil		
•)	scrap sent manufacturer /dealer /importer /registered recycler/or any other agency to whom the used batteries scrap was sent  Category:  (i) Automotive a) Four wheeler b) Two wheeler (ii) Industrial a) UPS b) Motive Power	Year (1st A Mar 2019)  (i) No. of Batteries  301  Nil  112  Nil	(ii) Approximate Weight (In Metric Tonnes)  7.854 Nil  0.896 Nil	Year (1st A Mar 2020)  (i) No. of Batteries  168  Nil  0  Nil	(ii) Approximate Weight (In Metric Tonnes)  4.986 Nil  0 Nil		

Used battery scrap was sent to CPCB authorized recycler

#### PART - G

## IMPACT OF THE POLLUTION CONTROL MEASURES ON CONSERVATION OF NATURAL RESOURCES AND CONSEQUENTLY ON THE COST OF PRODUCTION

M/s Shree Cement Limited is being operated on dry process technology, which is cost effective and environmentally clean technology. The advantage of dry process is also in fuel economy. The stack emissions from the plant are controlled by pollution control equipment like ESPs, Bag Houses and Bag Filters installed at various material transfer points to clean the process and arrest the fugitive emissions. The particulate matter collected in the pollution control equipment is recycled back in process and neutralizing the cost of operation of pollution control equipments and hence no cost impact on the production cost.

Synthetic Gypsum is being used in place of natural gypsum thus directly conserves the mineral gypsum. Waste Heat Recovery System (WHRS) is installed at Pre- heater and cooler section for trapping gasses of high temperatures are being used for generation of Green Power which has resulted in conservation of fuel, reduction of GHG emissions and water conservation.

Company has separate AFR cell looking after the utilization of alternative fuels and raw materials. Unit is utilizing ETP sludge, Paint sludge, oily rags, waste mix solids, phosphate sludge.

#### PART - H

### ADDITIONAL MEASURES / INVESTMENTS PROPOSAL FOR ENVIRONMENT PROTECTION INCLUDING ABATEMENT OF POLLUTION

Green belt development and tree plantation is our ongoing process within our plant area and also outside the plant boundary. Every year we are doing new tree plantation to increase the density and bio-diversity of the area. Plantation has been carried out in an area of around 63.8 hectare with (Total land: 187.56 ha.)165311 trees, which is ~34 % of the total land of plant area.

# PART – I ANY OTHER PARTICULATES FOR IMPROVING THE QUALITY OF ENVIRONMENT.

- 1. We have full-fledged Environment Department with three separate cells, for monitoring, maintenance of pollution control equipment and Green Belt development.
- 2. Monitoring of stack emission and ambient air and water quality is being done regularly basis.
- 3. Maintenance department is doing regular checking and scheduled maintenance of all the pollution control devices.



- 4. Civil dept. taking care of Housekeeping.
- 5. Truck parking area and vehicle movement areas are paved and concreted to avoid any fugitive emissions.
- 6. Horticulture Department in coordination with environment department is taking care of tree plantation and green belt development. Every year during monsoon season, we are doing new tree plantation and every year carbon sequestration being is carried out during 2018-19, 3810.66 Tons of CO2 was sequestrated.
- 7. Effective operation and maintenance of Bag House at Raw Mill & Kiln, Coal Mill, Cement mill and Cooler ESP.
- 8. Effective operation of cooler ESP transformer and control panel in first field to further reduce PM emission levels.
- 9. Constructed concreted roads at Stacker and Re-claimer area for further reduction of fugitive emissions.
- 10.Installed new bag filters at various application like DBC, transfer points etc.
- 11. Modification of Coal Mill Bag House for further reduction of Particulate emissions.
- 12.Installed NOx mitigation systems in all cement kilns (Uint-3-10) as pollution control measure to achieve prescribed standards.
- 13. Covered shed and silos have been constructed for raw material storage.
- 14. Domestic waste water generated from office toilets and canteen is being treated at Sewage Treatment Plant (STP) and treated water is being utilized in plantation & gardening.
- 15. We are committed and maintaining Zero Liquid Discharge (ZLD) from our premises.

We are enclosing herewith following documents: -

Annexure-1 : Stack Emission monitoring report.

Annexure-2 : Ambient Air Quality (PM10, PM2.5, SO<sub>2</sub> and NO<sub>2</sub>) &

Ambient Noise Level monitoring report

Annexure-3 : STP treated water test report

Annexure: 1

# Shree Cement Ltd, Ras: Unit-VII Stack Emission monitoring Report (PM, SO<sub>2</sub> & NOx) All values in mg/Nm<sup>3</sup> Year: 2019-2020

S. No.	Month	Raw I	Mill & Kiln	Stack	Coal Mill Stack	Clinker Cooler Stack	
		PM	NOx	SO <sub>2</sub>	PM	PM	
1	Apr-2019	12	418	3.5	19	7	
2	May-2019	16	478	0	25	8.7	
3	Jun-2019	12.4	541.6	0	12.8	6.8	
4	Jul-2019	8	432	0	13	7	
5	Aug-2019	10	604	0	14	6	
6	Sep-2019	10.8	615	0	11.2	5.8	
7	Oct-2019	13	528	0	12	8	
8	Nov-2019	16	537	0	7	6	
9	Dec-2019	12	489.8	0	14.5	5.2	
10	Jan-2020	11.6	551	0	20	6	
11	Feb-2020	12	458	0	20	11	
12	Mar-2020	10	502	0	15	10	
Av	erage	14	513	0	15	7	



#### **Continuation sheet**

Annexure: 2

														Ann	exure	. Z
								nent Lt		4 E 250 1	22.00		953 7.60			
	Amb	ient Air	· Quali	ty (μg/ι							April 2	019 To	March .	2020		
					Comm	on for (				r plant						
						<u>Y</u>	ear:-2	019-202	0							
Location →	Plai	nt Boun Main		Vear	Plant Boundary Near Mess				Plant Boundary towards Stacker & Reclaimer			Plant boundry towards village Khera & Jawangarh				
	AAQ in μg/m <sup>3</sup>				AAQ in μg/m <sup>3</sup>			AAQ in µgm³				AAQ in μg/m <sup>3</sup>				
Parameter →	PM 2.5	PM1 0	SO <sub>2</sub>	NO 2	PM 2.5	PM 10	SO 2	NO <sub>2</sub>	PM 2.5	PM 10	SO 2	NO <sub>2</sub>	PM 2.5	PM 10	SO <sub>2</sub>	NO <sub>2</sub>
Apr-2019	34.5	48.1	8.4	11.2	35.1	46.3	7.3	10.9	33.6	46.3	8.0	10.9	32.3	40.5	7.7	10.5
May-2019	32.9	46.8	8.7	12.0	33.8	43.6	8.7	11.2	32.5	44.6	8.4	11.3	31.8	41.4	8.0	10.9
Jun-2019	34.6	48.3	8.5	11.3	34.9	46.9	8.4	11.6	34.3	43.9	8.2	11.2	31.6	43.1	7.8	10.8
Jul-2019	28.9	41.8	8.1	10.4	29.4	41.0	8.1	10.8	31.1	42.9	8.0	10.7	28.9	39.6	7.5	10.1
Aug-2019	20.5	30.0	8.2	9.7	21.4	30.9	8.4	9.6	21.4	31.6	7.9	9.3	20.3	29.0	7.6	9.0
Sep-2019	26.8	36.3	8.2	9.7	25.5	36.1	8.2	9.7	28.0	38.8	6.9	9.5	25.3	35.5	7.6	9.1
Oct-2019	31.2	42.7	8.4	9.9	30.1	41.5	8.4	9.7	35.5	46.9	7.0	9.6	29.8	39.3	7.6	9.3
Nov-2019	33.4	53.3	8.9	12.1	32.5	48.0	8.9	11.9	31.8	44.8	7.5	11.8	27.5	44.0	8.1	11.4
Dec-2019	35.4	50.5	9.4	12.7	33.3	47.8	9.2	13.3	32.0	45.8	7.8	12.7	28.6	45.3	8.5	12.2
Jan-2020	36.9	53.9	9.8	13.9	29.9	49.4	10.	14.9	31.4	47.4	8.4	14.0	26.9	46.6	9.1	13.5
Feb-2020	35.6	51.8	10.3	14.1	34.3	52.3	10.	14.2	30.9	49.8	8.8	13.7	29.6	49.0	9.4	13.1
Mar-2020	33.7	53.0	9.9	12.8	31.5	51.5	9.9	13.0	29.0	51.8	7.6	12.9	28.5	48.2	9.0	12.3
Average	32.0	46.3	8.9	11.6	31.0	44.6	8.8	11.7	30.9	44.5	7.9	11.5	28.4	41.8	8.2	11.0



#### **Continuation sheet**

			Shr	ee Cement Lto	d, Ras				
4	Ambient Nois	se Level dB(A)	Monitoring	Report For Th	ne Period Of	April 2019 T	o March 202	0	
		Co	ommon for C	ement plant &	Power pla	<u>nt</u>			
			Ye	ear:-2019-2020	0				
<b>Location</b> →		indary Near in Gate		ndary Near Iess	towards	Boundary Stacker & laimer	Plant boundry towards village Khera & Jawangarh  Noise Level in dB(A)		
	Noise Le	vel in dB(A)	Noise Lev	vel in dB(A)	Noise Lev	vel in dB(A)			
Parameter →	Day time	Night time	Day time	Night time	Day time	Night time	Day time	Night time	
Apr-2019	72.60	63.40	71.20	62.80	65.80	67.30	68.10	60.10	
May-2019	71.80	66.20	7.2.1	62.80	66.90	65.80	62.60	59.90	
Jun-2019	72.40	65.20	71.00	61.80	67.90	63.80	64.60	60.80	
Jul-2019	71.90	64.10	70.50	61.40	68.90	64.50	64.60	60.90	
Aug-2019	73.70	64.70	71.10	60.30	72.60	62.50	68.60	59.30	
Sep-2019	73.20	67.20	72.00	63.20	69.50	62.00	67.50	61.00	
Oct-2019	74.10	68.10	70.20	65.40	68.60	62.30	65.90	61.30	
Nov-2019	72.30	67.60	65.60	58.80	70.60	65.80	67.20	62.40	
Dec-2019	71.60	66.60	68.50	57.90	69.50	64.50	65.20	58.90	
Jan-2020	71.90	65.60	64.60	59.60	72.60	62.20	62.60	59.60	
Feb-2020	70.50	63.70	64.00	58.60	73.20	63.40	61.50	57.20	
Mar-2020	71.90	60.60	64.90	59.40	72.20	61.70	60.30	56.80	
Average	72.33	65.25	68.51	61.00	69.86	63.82	64.89	59.85	



#### **Continuation sheet**

Annexure: 3

	(STP Treated Water Quality, Year 2019-2020)													
S. No.	Parameter ↓	Apr-	May-	Jun- 19	Jul- 19	Aug-	Sep- 19	Oct-	Nov-	Dec- 19	Jan- 20	Feb- 20	Mar- 20	Avg.
1	pН	7.38	7.51	7.29	7.3	7.12	7.37	7.26	7.36	7.35	7.54	7.46	7.33	7.36
2	Total Suspended Solids	32	30	34	39	42	36	53	68	32	59	53	65	45.25
3	Oil and Grease	2	2.9	3.1	2.5	2.9	2.8	1.89	1.44	<4.0	2.84	1.85	2.03	2.39
4	BOD 3days 27°C	10	11	15	13	16	12	11	10	18	14.6	12.4	16.2	13.27
5	COD	79.9	61.2	58.4	60	55	43	59	74	47.8	75.1	89.5	93.2	66.34