

## ANNEXURE-III

### 2.1.8 Water Budget for sugar factory Unit

**Table 5: Water Budget for Sugar Factory Unit**

	Water Intake(Cum)			Consumption & Losses (Cum)			Generated Effluent(cum)			Recycle and reuse(cum)			Net Dischargeable Effluent (cum)		
	Existing 5000 TCD	Expansion to 8000 TCD	Total	Existing 5000 TCD	Expansion to 8000 TCD	Total	Existing 5000 TCD	Expansion to 8000 TCD	Total	Existing 5000 TCD	Expansion to 8000 TCD	Total	Existing 5000 TCD	Expansion to 8000 TCD	Total
i) Domestic	100	10	110	05	05	10	95	05	100	Nil	Nil	Nil	95	5	100
ii) Industrial															
1) Boiler	40	40	80	Nil	Nil	Nil	40	40	80	Nil	Nil	Nil	40	40	80
2) Cooling	150	150	300	Nil	Nil	Nil	150	150	300	Nil	Nil	Nil	150	150	300
iii) Industrial process including washings generating Bio-degradable effluent.	150	150	300	Nil	Nil	Nil	150	150	300	Nil	Nil	Nil	150	150	300
iv) Other usages such as gardening fire fighting etc.	35	35	70	35	35	70	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
v) Total															
1) Domestic	100	10	110	05	05	10	95	05	100	Nil	Nil	Nil	95	05	100
2) Industrial	375	375	750	35	35	70	340	340	680	Nil	Nil	Nil	340	340	680

  
 Managing Director

### ANNEXURE-III

Shri Hiranyakeshi Sahakari Sakkare Karkhane Niyamit, Sankeshwar

#### Monthwise Waste water Analyses Report from October-2021 to March-2022

Month	PH	COD	BOD	T.S.S	TDS	Cloride as Cl	Sulphate as SO4	Oil & Grease
Oct-21	Factory not working (Off-season)							
Nov-21	4.72	1831.00	758.00	329.00	2260.00	259.00	234.00	16.00
Dec-21	4.61	1795.00	740.00	340.00	2130.00	270.00	248.00	15.00
Jan-22	4.57	1758.00	790.00	305.00	2270.00	250.00	235.00	16.00
Feb-22	4.80	1680.00	756.00	310.00	2210.00	281.00	238.00	16.00
Mar-22	Factory not working (Off-season)							

  
Managing Director

## ANNEXURE - IV

Shri Hiranyakeshi Sahakari Sakkare Karkhane Niyamit, Sankeshwar

Month wise Water Analyses Report from October-2021 to March-2022 (Hiranyakeshi River Water & Borewell water)

Month		PH	Alkalinity	TDS	Chlorides	Hardness	Calcium	Magnesium	Sodium	Potassium	Turbidity	%Na (max)	SAR	Conductivity	RSC
Oct-21	River	Factory not working (Off-season)													
	Borewell														
Nov-22	Borewell	8.03	224.00	580.00	58.00	225.00	68.00	13.00	57.40	7.30	0.50	34.93	1.67	837.00	-0.003
	Well water	8.13	220.00	540.00	152.00	170.00	48.00	12.00	85.30	4.90	1.20	51.39	2.85	927.00	1.00
Dec-21	River	8.42	100.00	252.00	35.00	230.00	88.00	2.00	57.40	8.10	4.20	34.38	1.65	430.00	-2.56
	Borewell	8.54	250.00	526.00	185.00	150.00	32.00	16.00	90.60	4.80	1.30	56.47	3.26	910.00	2.06
Jan-22	River	8.33	110.00	240.00	39.00	250.00	80.00	12.00	43.10	8.31	3.80	26.52	1.18	466.00	-2.80
	Borewell	8.15	192.00	535.00	148.00	210.00	45.00	18.00	110.00	2.90	0.21	63.80	3.46	980.00	0.18
Feb-22	River	8.32	115.00	245.00	42.00	255.00	82.00	14.00	43.10	8.30	3.82	26.55	1.18	520.00	0.80
	Borewell	8.14	190.00	530.00	142.00	180.00	46.00	16.00	104.80	2.80	0.20	55.30	3.39	958.00	0.16
Mar-22	River	Factory not working (Off-season)													
	Borewell														

  
Managing Director

ANNEXURE - V

Shri Hiranyakeshi Sahakari Sakkare Karkhane Niyamit, Sankeshwar

Month wise Stack Monitoring Report from October-2021 to March-2022

Month	Stack Height (m)	Stack Diameter (m)	Furnace Type	Boiler Capacity(T/hr)	Fuel used	Flue gas Temp.°C	Flue gas velocity (m/s)	Particulate Matter (mg/Nm <sup>3</sup> )
Oct-21	Factory Not working (Off-season)							
Nov-21	87.00	4.80			Bagasse	119.00	9.50	118.00
Dec-21	87.00	4.80			Bagasse	121.00	9.60	115.00
Jan-22	87.00	4.80			Bagasse	120.00	9.40	112.00
Feb-22	87.00	4.80			Bagasse	124.00	9.10	108.00
Mar-22	Factory Not working (Off-season)							

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Managing Director

**ANNEXURE - V**

Shri Hiranyakeshi Sahakari Sakkare Karkhane Niyamit, Sankeshwar  
**Month wise Ambient Air Quality Report from October -2021 to March-2022**

Month	Sampling Station	Direction Distance from Stack	Wind Direction	P.M.2.5 ( $\mu\text{g}/\text{m}^3$ )	P.M ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
Oct-21	Factory Main Gate	S, 400 meter	Easterly	Factory not working (Off-season)			
	Guest House	N, 500 meter	Easterly				
Nov-21	Factory Main Gate	S, 400 meter	S to W	35	71	12	10
	Near Sugar ETP	W, 400 meter	S to W	26	66	10	8
Dec-21	Factory Main Gate	S, 400 meter	S to W	31	72	12	10
	Near Sugar ETP	W, 400 meter	Westerly	28	70	10	8
Jan-22	Near Compost Yard	S, 400 meter	S to W	33	76	15	12
	Near Sankeshwar IB Hall	N, 500 meter	S to W	31	74	12	10
Feb-22	Near Sankeshwar IB Hall	S, 400 meter	S to W	29	69	14	11
	Near Compost Yard	S, 400 meter	S to W	30	71	14	12
Mar-22	Factory Main Gate	S, 400 meter	S to W	Factory not working (Off-season)			
	Near Sugar ETP	N, 400 meter	S to W				

  
 Managing Director

## ANNEXURE - VI

Shri Hiranyakeshi Sahakari Sakkare Karkhane Niyamit, Sankeshwar

Month wise Noise Level Analysis Report from October-2021 to March-2022

Month	Time	Location Level Measurement Report				
		Near Weigh Bridge	Near Cane cutter	Near Mill House	Near Pan House	Near Boiling House
Oct-21	Day Time	Factory not working (Off-season)				
	Night Time					
Nov-21	Day Time	69.20	70.30	71.20	68.40	70.20
	Night Time	63.10	66.30	69.80	67.50	67.20
Dec-21	Day Time	67.80	70.80	70.20	69.40	70.90
	Night Time	61.20	66.50	69.20	67.90	67.40
Jan-22	Day Time	67.90	69.50	70.30	69.20	69.80
	Night Time	63.70	65.30	68.50	67.30	67.40
Feb-22	Day Time	68.00	70.20	70.20	69.40	69.70
	Night Time	63.90	65.60	68.30	67.40	67.40
Mar-22	Day Time	Factory not working (Off-season)				
	Night Time					

  
 Managing Director