



SHIVA TEST HOUSE

(Serving since 1998)

Annex -VII



TC-10582

RECOGNISED AS ENVIRONMENTAL LABORATORY BY MoEFCC, GOVT. OF INDIA, UNDER ENVIRONMENT (PROTECTION) ACT 1986, DEPTT. OF INDUSTRY, FORESTS & ENVIRONMENT, GOVT. OF BIHAR AND BIHAR STATE POLLUTION CONTROL BOARD

TEST REPORT

Ref. No. STH/TR/22-23/7061	Dt: 17.03.2023	Your Work Order No. 8917	Dt: 17.01.2021
[a] Name and address of the Customer	Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103		
[b] Details of Sample	Untreated Effluent Sample		
[c] Sample Collected by	SHIVA TEST HOUSE on 05.03.23		
[d] Sampling Location	From Inlet of ETP		
[e] Method of Sampling	IS 3025, APHA		
[f] Sampling Environmental Condition	Temp. (°C)	28	Humidity (%) 69
[g] No. & Type of Container	Plastic Bottle		
[h] Sample Quantity	2 Litres		
[i] Sample Code	E-7061		
[j] Sample Condition on Receipt	Fit for Analysis		
[k] Items required to be tested	As per contract		
[l] Whether any specific Method of Test has been suggested by the party	No		
[m] Date of receiving the sample in Laboratory	06.03.23		
[n] Analysis Start Date / Analysis Completion Date	06.03.23 / 09.03.23		

Sl. No.	Parameters	Unit	Method of Test	Result
1.	pH	---	IS 3025 (Part-11)	7.36
2.	Suspended Solids	mg/l.	IS 3025(Part-17)	261.0
3.	Total Dissolved Solids	mg/l.	IS 3025(Part-16)	1842.0
4.	Oil & Grease	mg/l.	IS 3025 (Part-39)	4.6
5.	B.O.D (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	220.0
6.	C.O.D	mg/l.	APHA (5220 B)	864.0
7.	Dissolved Phosphate as P	mg/l.	APHA (4500-P-D)	0.76
8.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	19.0
9.	Total Kjeldahl Nitrogen as N	mg/l.	APHA (4500 N org)	39.8

SHIBESHWAR PRASAD

Digitally signed by SHIBESHWAR PRASAD
Date: 2023.03.17
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Verified by :
Technical Manager



Shreyasee Prasad

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Date: 2023.03.17
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Authorized Signatory
Quality Manager

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TEST REPORT

Ref. No. STH/TR/22-23/6280		Dt: 22.02.2023		Your Work Order No. 8917		Dt : 17.01.2021	
[a]	Name and address of the Customer			Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b]	Details of Sample			Untreated Effluent Sample			
[c]	Sample Collected by			SHIVA TEST HOUSE on 11.02.23			
[d]	Sampling Location			From Inlet of ETP			
[e]	Method of Sampling			IS 3025, APHA			
[f]	Sampling Environmental Condition			Temp. (°C)	24	Humidity (%)	68
[g]	No. & Type of Container			Plastic Bottle			
[h]	Sample Quantity			2 Litres			
[i]	Sample Code			E-6280			
[j]	Sample Condition on Receipt			Fit for Analysis			
[k]	Items required to be tested			As per contract			
[l]	Whether any specific Method of Test has been suggested by the party			No			
[m]	Date of receiving the sample in Laboratory			13.02.23			
[n]	Analysis Start Date / Analysis Completion Date			13.02.23 / 16.02.23			
Sl. No.	Parameters	Unit	Method of Test			Result	
1.	pH	---	IS 3025 (Part-11)			6.19	
2.	Suspended Solids	mg/l.	IS 3025(Part-17)			310.0	
3.	Total Dissolved Solids	mg/l.	IS 3025(Part-16)			2140.0	
4.	Oil & Grease	mg/l.	IS 3025 (Part-39)			5.1	
5.	B.O.D (3 days at 27°C)	mg/l.	IS 3025 (Part-44)			240.0	
6.	C.O.D	mg/l.	APHA (5220 B)			880.0	
7.	Dissolved Phosphate as P	mg/l.	APHA (4500-P-D)			4.1	
8.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)			22.4	
9.	Total Kjeldahl Nitrogen as N	mg/l.	APHA (4500 N org)			41.4	

SHIBESHWAR PRASAD

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Verified by :
Technical Manager



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Authorized Signatory
Quality Manager

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TEST REPORT

Ref. No. STH/TR/22-23/5495		Dt: 21.01.2023		Your Work Order No. 8917		Dt: 17.01.2021	
[a]	Name and address of the Customer			Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b]	Details of Sample			<i>Untreated Effluent Sample</i>			
[c]	Sample Collected by			SHIVA TEST HOUSE on 15.01.23			
[d]	Sampling Location			<i>From Inlet of ETP</i>			
[e]	Method of Sampling			IS 3025, APHA			
[f]	Sampling Environmental Condition			Temp. (°C)	17	Humidity (%)	70
[g]	No. & Type of Container			Plastic Bottle			
[h]	Sample Quantity			2 Litres			
[i]	Sample Code			E-5495			
[j]	Sample Condition on Receipt			Fit for Analysis			
[k]	Items required to be tested			As per contract			
[l]	Whether any specific Method of Test has been suggested by the party			No			
[m]	Date of receiving the sample in Laboratory			16.01.23			
[n]	Analysis Start Date / Analysis Completion Date			16.01.23 / 19.01.23			
Sl. No.	Parameters	Unit	Method of Test	Result			
1.	pH	---	IS 3025 (Part-11)	6.11			
2.	Suspended Solids	mg/l.	IS 3025(Part-17)	350.0			
3.	Total Dissolved Solids	mg/l.	IS 3025(Part-16)	2240.0			
4.	Oil & Grease	mg/l.	IS 3025 (Part-39)	5.6			
5.	B.O.D (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	280.0			
6.	C.O.D	mg/l.	APHA (5220 B)	928.0			
7.	Dissolved Phosphate as P	mg/l.	APHA (4500-P-D)	4.8			
8.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	24.1			
9.	Total Kjeldahl Nitrogen as N	mg/l.	APHA (4500 N org)	42.6			

SHIBESHWAR PRASAD

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Verified by :
Technical Manager



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Authorized Signatory
Quality Manager

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TEST REPORT

Ref. No. STH/TR/22-23/4935		Dt: 06.01.2023		Your Work Order No. 8917		Dt: 17.01.2021	
[a]	Name and address of the Customer			Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b]	Details of Sample			Untreated Effluent Sample			
[c]	Sample Collected by			SHIVA TEST HOUSE on 25.12.22			
[d]	Sampling Location			From Inlet of ETP			
[e]	Method of Sampling			IS 3025, APHA			
[f]	Sampling Environmental Condition			Temp. (°C)	19	Humidity (%)	64
[g]	No. & Type of Container			Plastic Bottle			
[h]	Sample Quantity			2 Litres			
[i]	Sample Code			E-4935			
[j]	Sample Condition on Receipt			Fit for Analysis			
[k]	Items required to be tested			As per contract			
[l]	Whether any specific Method of Test has been suggested by the party			No			
[m]	Date of receiving the sample in Laboratory			26.12.22			
[n]	Analysis Start Date / Analysis Completion Date			26.12.22 / 29.12.22			
Sl. No.	Parameters	Unit	Method of Test	Result			
1.	pH	----	IS 3025 (Part-11)	7.11			
2.	Suspended Solids	mg/l.	IS 3025(Part-17)	142.0			
3.	Total Dissolved Solids	mg/l.	IS 3025(Part-16)	1530.0			
4.	Oil & Grease	mg/l.	IS 3025 (Part-39)	3.1			
5.	B.O.D (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	60.0			
6.	C.O.D	mg/l.	APHA (5220 B)	208.0			
7.	Dissolved Phosphate as P	mg/l.	APHA (4500-P-D)	1.74			
8.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	15.7			
9.	Total Kjeldahl Nitrogen as N	mg/l.	APHA (4500 N org)	28.0			

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Technical Manager

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Authorized Signatory
Quality Manager

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TEST REPORT

Ref. No. STH/TR/22-23/4089		Dt: 08.12.2022		Your Work Order No. 8917		Dt: 17.01.2021	
[a]	Name and address of the Customer			Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b]	Details of Sample			<i>Untreated Effluent Sample</i>			
[c]	Sample Collected by			SHIVA TEST HOUSE on 20.11.22			
[d]	Sampling Location			<i>From Inlet of ETP</i>			
[e]	Method of Sampling			IS 3025, APHA			
[f]	Sampling Environmental Condition			Temp. (°C)	28	Humidity (%)	69
[g]	No. & Type of Container			Plastic Bottle			
[h]	Sample Quantity			2 Litres			
[i]	Sample Code			E-4089			
[j]	Sample Condition on Receipt			Fit for Analysis			
[k]	Items required to be tested			As per contract			
[l]	Whether any specific Method of Test has been suggested by the party			No			
[m]	Date of receiving the sample in Laboratory			21.11.22			
[n]	Analysis Start Date / Analysis Completion Date			21.11.22 / 24.11.22			
Sl. No.	Parameters	Unit	Method of Test		Result		
1.	pH	----	IS 3025 (Part-11)		7.04		
2.	Suspended Solids	mg/l.	IS 3025(Part-17)		128.0		
3.	Total Dissolved Solids	mg/l.	IS 3025(Part-16)		1484.0		
4.	Oil & Grease	mg/l.	IS 3025 (Part-39)		3.2		
5.	B.O.D (3 days at 27°C)	mg/l.	IS 3025 (Part-44)		70.0		
6.	C.O.D	mg/l.	APHA (5220 B)		240.0		
7.	Dissolved Phosphate as P	mg/l.	APHA (4500-P-D)		2.20		
8.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)		16.8		
9.	Total Kjeldahl Nitrogen as N	mg/l.	APHA (4500 N org)		29.1		

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Date: 2022.12.17 11:11:34 +05'30'

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Technical Manager

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Quality Manager

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