



SHIVA TEST HOUSE

(Serving since 1988)



TC-10582

RECOGNIZED 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/22-23/7062	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	Treated Effluent sample		
[c] Sample Collected by	SHIVA TEST HOUSE on 05.03.23		
[d] Sampling Location	From Outlet 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-7062		
[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	Limit as per E(P) Rules Schedule VI	Result
1.	pH	---	IS 3025 (Part-11)	5.5 to 9.0	7.33
2.	Suspended Solids	mg/l.	IS 3025(Part-17)	100.00	28.0
3.	Total Dissolved Solids	mg/l.	IS 3025(Part-16)	2100.00	570.0
4.	Oil & Grease	mg/l.	IS 3025 (Part-39)	30.00	0.9
5.	B.O.D (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	250.00	16.0
6.	C.O.D	mg/l.	APHA (5220 B)	5.00	108.0
7.	Dissolved Phosphate as P	mg/l.	APHA (4500-P-D)	5.00	0.76
8.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	50.00	8.96
9.	Total Kjeldahl Nitrogen as N	mg/l.	APHA (4500 N org)	100.00	19.04

SHIBESHWAR PRASAD

Digitally signed by
SHIBESHWAR PRASAD
Date: 2023.03.17
11:33:56 +05'30'

Verified by :
Technical Manager



Shreyasee Prasad

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Shreyasee Prasad
Date: 2023.03.17
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Authorized Signatory
Quality Manager

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Contact us : 122-C, Aastha, Road No. 5A, Patliputra Colony, Patna – 800 013 (Bihar)

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TEST REPORT

Ref. No. STH/TR/22-23/6281		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		Treated Effluent sample							
[c] Sample Collected by		SHIVA TEST HOUSE on 11.02.23							
[d] Sampling Location		From Outlet 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-6281							
[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		Limit as per E (P) Rules Schedule VI		Result		
1.	pH	---	IS 3025 (Part-11)		5.5 to 9.0		7.22		
2.	Suspended Solids	mg/l.	IS 3025(Part-17)		100.00		31.0		
3.	Total Dissolved Solids	mg/l.	IS 3025(Part-16)		2100.00		630.0		
4.	Oil & Grease	mg/l.	IS 3025 (Part-39)		30.00		1.2		
5.	B.O.D (3 days at 27°C)	mg/l.	IS 3025 (Part-44)		250.00		18.0		
6.	C.O.D	mg/l.	APHA (5220 B)		5.00		116.0		
7.	Dissolved Phosphate as P	mg/l.	APHA (4500-P-D)		5.00		1.08		
8.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)		50.00		10.6		
9.	Total Kjeldahl Nitrogen as N	mg/l.	APHA (4500 N org)		100.00		22.4		

SHIBESHWAR PRASAD
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Date: 2023.02.22 11:26:43 +05'30'

Verified by :
Technical Manager



Shreyasee Prasad
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Authorized Signatory
Quality Manager

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TEST REPORT

Ref. No. <i>STH/TR/22-23/5496</i>		Dt: <i>21.01.2023</i>		Your Work Order No. <i>8917</i>		Dt : <i>17.01.2021</i>	
[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				Treated Effluent sample			
[c] Sample Collected by				SHIVA TEST HOUSE on 15.01.23			
[d] Sampling Location				From Outlet of ETP			
[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-5496			
[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		Limit as per E (P) Rules Schedule VI		Result
1.	pH	---	IS 3025 (Part-11)		5.5 to 9.0		7.27
2.	Suspended Solids	mg/l.	IS 3025(Part-17)		100.00		37.0
3.	Total Dissolved Solids	mg/l.	IS 3025(Part-16)		2100.00		684.0
4.	Oil & Grease	mg/l.	IS 3025 (Part-39)		30.00		1.1
5.	B.O.D (3 days at 27°C)	mg/l.	IS 3025 (Part-44)		250.00		20.0
6.	C.O.D	mg/l.	APHA (5220 B)		5.00		136.0
7.	Dissolved Phosphate as P	mg/l.	APHA (4500-P-D)		5.00		0.96
8.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)		50.00		11.8
9.	Total Kjeldahl Nitrogen as N	mg/l.	APHA (4500 N org)		100.00		21.3

SHIBESHWAR PRASAD

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SHIBESHWAR PRASAD
Date: 2023.01.21
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Verified by :
Technical Manager



Shreyasee Prasad

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Date: 2023.01.21
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Authorized Signatory
Quality Manager

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TEST REPORT

Ref. No. **STH/TR/22-23/4936**

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	<i>Treated Effluent sample</i>			
[c]	Sample Collected by	SHIVA TEST HOUSE on 25.12.22			
[d]	Sampling Location	<i>From Outlet of ETP</i>			
[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-4936			
[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	Limit as per E (P) Rules Schedule VI	Result
1.	pH	----	IS 3025 (Part-11)	5.5 to 9.0	7.28
2.	Suspended Solids	mg/l.	IS 3025(Part-17)	100.00	26.0
3.	Total Dissolved Solids	mg/l.	IS 3025(Part-16)	2100.00	819.0
4.	Oil & Grease	mg/l.	IS 3025 (Part-39)	30.00	1.1
5.	B.O.D (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	250.00	16.0
6.	C.O.D	mg/l.	APHA (5220 B)	5.00	64.0
7.	Dissolved Phosphate as P	mg/l.	APHA (4500-P-D)	5.00	0.53
8.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	50.00	9.52
9.	Total Kjeldahl Nitrogen as N	mg/l.	APHA (4500 N org)	100.00	15.7

SHIBESHWAR PRASAD

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Date: 2023.01.06
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Verified by :
Technical Manager

Shreyasee Prasad

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Date: 2023.01.06
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Authorized Signatory
Quality Manager

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TEST REPORT

Ref. No. <i>STH/TR/22-23/4090</i>		Dt: <i>08.12.2022</i>		Your Work Order No. <i>8917</i>		Dt : <i>17.01.2021</i>	
[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				Treated Effluent sample			
[c] Sample Collected by				SHIVA TEST HOUSE on 20.11.22			
[d] Sampling Location				From Outlet 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-4090			
[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		Limit as per E (P) Rules Schedule VI		Result
1.	pH	----	IS 3025 (Part-11)		5.5 to 9.0		7.90
2.	Suspended Solids	mg/l.	IS 3025(Part-17)		100.00		21.0
3.	Total Dissolved Solids	mg/l.	IS 3025(Part-16)		2100.00		512.0
4.	Oil & Grease	mg/l.	IS 3025 (Part-39)		30.00		0.8
5.	B.O.D (3 days at 27°C)	mg/l.	IS 3025 (Part-44)		250.00		16.0
6.	C.O.D	mg/l.	APHA (5220 B)		5.00		56.0
7.	Dissolved Phosphate as P	mg/l.	APHA (4500-P-D)		5.00		0.58
8.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)		50.00		9.5
9.	Total Kjeldahl Nitrogen as N	mg/l.	APHA (4500 N org)		100.00		15.7

SHIBESHWAR PRASAD
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Date: 2022.12.17 11:11:47 +05'30'

Verified by :
Technical Manager

Shreyasee Prasad
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Authorized Signatory
Quality Manager

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