



SHIVA TEST HOUSE

(Serving since 1988)



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/24-25/139		Dt: 11.04.2024		Your Work Order No. BDBPL/2023-24/WO-32A		Dt: 15.06.2023	
[a] Name and address of the Customer				BIHAR DISTILLERS & BOTTLERS PVT. LTD. VILL. DEVRI P.O.: GARHANI ARRAH DIST. BHOJPUR – 802 203			
[b] Details of Sample				Monitoring of Stack Emission			
[c] Sample Collected by				By Prem Kumar (Lab Representative) of Shiva Test House on 03.04.24			
[d] Sampling Location				Premises of Bihar Distillers & Bottlers Pvt. Ltd..			
[e] Method of Sampling				IS 11255 (Part-1,2,3 & 7)			
[f] Sampling Environmental Condition				Temp. (°C)	36	Humidity (%)	52
[g] Details of Sample Container (No. & Type of Container)				Thimble & Glass Impinger			
[h] Instrument ID				VSS-1PLS			
[i] Sample Quantity				60 ml			
[j] Sample Code				ST-139/04/24			
[k] Sample Condition on Receipt				Fit for Analysis			
[l] Items required to be tested				As per contract			
[m] Whether any specific Method of Test has been suggested by the customer				No			
[n] Date of receiving the sample in Laboratory				04.04.24			
[o] Analysis Start Date / Analysis Completion Date				04.04.24 / 09.04.24			
Parameters		Unit	Method of Test		Results		
1. Type of Fuel					Rice Husk		
2. Stack Connected to					ESP connected with Boiler (52 TPH)		
3. Stack No.					I I		
4. Height of Stack (as reported)		55.0					
5. Dia. of Stack at Top (as reported)		2.5					
6. Material of Construction		RCC					
7. Ambient Temperature		36.0					
8. Flue Gas Temperature		118.0					
9. Velocity		m/sec.	IS 11255 (Part-3)		8.4		
10. Volumetric Flow Rate		NM³/hr.			113397.3		
11. Sampling Point		Meter			22.0		
					Limit as per EPA Notification		Concentration
12. Particulate Matter (P.M.)		mg / NM³	IS 11255 (Part-1)		250.00 mg / NM³		26.1
13. Sulphur Dioxide (SO₂)		mg / NM³	IS 11255 (Part-2)		Not Specified		13.8
14. Oxides of Nitrogen (NOx)		mg / NM³	IS 11255 (Part-7)		Not Specified		39.2

Shibeswar Prasad

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Date: 2024.04.11
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Verified by :
Dr. Shibeshwar Prasad
Technical Manager



Shreyasee Prasad

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Authorized Signatory
Dr. (Mrs.) Shreyasee Prasad
Quality Manager

-- END OF TEST REPORT --

1. This report applies only to sample tested as above.
2. Total Liability of our Laboratory is limited to invoiced amount.
3. Test Report endorsed only the tests and not the product certificate.
4. Test Report can not be reproduced partially or full for legal/court purpose without written permission of the Laboratory.

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Contact us : 122-C, Aastha, Road No. 5A, Patliputra Colony, Patna – 800 013 (Bihar)
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 Website : www.shivatest.com ; www.shivatesthouse.com





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TEST REPORT

Ref. No. STH/TR/24-25/140		Dt: 11.04.2024		Your Work Order No. BDBPL/2023-24/WO-32A		Dt: 15.06.2023	
[a] Name and address of the Customer				BIHAR DISTILLERS & BOTTLERS PVT. LTD. VILL. DEVRI P.O.: GARHANI ARRAH DIST. BHOJPUR – 802 203			
[b] Details of Sample				Monitoring of Stack Emission			
[c] Sample Collected by				By Prem Kumar (Lab Representative) of Shiva Test House on 03.04.24			
[d] Sampling Location				Premises of Bihar Distillers & Bottlers Pvt. Ltd.			
[e] Method of Sampling				IS 11255 (Part-1,2,3 & 7)			
[f] Sampling Environmental Condition				Temp. (°C)	36	Humidity (%)	52
[g] Details of Sample Container (No. & Type of Container)				Thimble & Glass Impinger			
[h] Instrument ID				VSS-1PLS			
[i] Sample Quantity				60 ml			
[j] Sample Code				ST-140/04/24			
[k] Sample Condition on Receipt				Fit for Analysis			
[l] Items required to be tested				As per contract			
[m] Whether any specific Method of Test has been suggested by the customer				No			
[n] Date of receiving the sample in Laboratory				04.04.24			
[o] Analysis Start Date / Analysis Completion Date				04.04.24 / 09.04.24			
Parameters		Unit	Method of Test		Results		
1. Type of Fuel					Rice Husk		
2. Stack Connected to					ESP connected with Boiler (95 TPH)		
3. Stack No.					I		
4. Height of Stack (as reported)		Meter			55.0		
5. Dia. of Stack at Top (as reported)		Meter			3.43		
6. Material of Construction		---			RCC		
7. Ambient Temperature		°C			36.0		
8. Flue Gas Temperature		°C			122.0		
9. Velocity		m/sec.	IS 11255 (Part-3)		8.7		
10. Volumetric Flow Rate		NM ³ /hr.			219340.8		
11. Sampling Point		Meter			22.0		
					Limit as per EPA Notification	Concentration	
12. Particulate Matter (P.M.)		mg / NM ³	IS 11255 (Part-1)		250.00 mg / NM ³	27.6	
13. Sulphur Dioxide (SO ₂)		mg / NM ³	IS 11255 (Part-2)		Not Specified	14.1	
14. Oxides of Nitrogen (NOx)		mg / NM ³	IS 11255 (Part-7)		Not Specified	39.2	

Shibeswar
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Technical Manager



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