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RECOGINSED 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

1				RAMCO INDU		t: 11.06.2023		
[a] N	Name and address of the Custom	er			BIADA Industrial Are	a		
[b] [Details of Sample			Borewell Water				
	Sample Collected by				(Lab Representative) of	Shiva Test		
	Sampling Location			Collected from	Borewell Near Godov	wn		
	Method of Sampling			IS: 3025, APHA	4			
	Sampling Environmental Condition			Temp (°C)	26 Humidity	(%) 58		
	Details of Sample Container (No.	& Type of	Container)	Plastic Bottle (02)				
	Sample Quantity			2 Liters				
	Sample Code			BW-10082				
	Sample Condition on Receipt			Fit for analysis				
	ems required to be tested			As per contract				
b	Vhether any specific Method of To y the customer		en suggested	No				
	ate of receiving the sample in La			06.03.24				
[n] A	nalysis Start Date / Analysis Con	pletion Da	ate	06.03.24 / 11.03.24				
				Limit as per IS 10500: 2012				
S.N.	Parameters	Unit	Method of Test	Limit (mg/l.) Acceptable	Permissible Limit in the absence of alternative source	Results		
1	Colour	Hazen	IS 3025 (Part-4)	5	15	< 5.00		
-	Odour		IS 3025 (Part-5)	Agreeable	Agreeable	Agreeable		
2	Cucui		10 0000 (1 011 0)					
	Taste		IS 3025 (Part-7))	Agreeable	Agreeable	Agreeable		
3					Agreeable 8.5	THE RESERVE AND ADDRESS OF THE PARTY OF THE		
3 4	Taste	-	IS 3025 (Part-7))	Agreeable 6.5	8.5	7.45		
3 4 5	Taste pH at 25°C		IS 3025 (Part-7)) IS 3025 (Part-11)	Agreeable		7.45 0.84		
3 4 5	Taste pH at 25°C Turbidity on NTU	NTU	IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10)	Agreeable 6.5 1.0	8.5 5.0	7.45 0.84 248.0		
3 4 5 6 7	Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS)	NTU mg/l.	IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16)	Agreeable 6.5 1.0 500.0	8.5 5.0 2000.0 600.0	7.45 0.84 248.0 140.0		
3 4 5 7 3	Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃	NTU mg/l. mg/l.	IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21)	Agreeable 6.5 1.0 500.0 200.0	8.5 5.0 2000.0	0.84 248.0 140.0 32.8		
3 4 5 7 3	Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca	NTU mg/l. mg/l. mg/l.	IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40)	Agreeable 6.5 1.0 500.0 200.0 75.0	8.5 5.0 2000.0 600.0 200.0 100.0	7.45 0.84 248.0 140.0		
3 4 5 7 8 9	Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg	mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46)	Agreeable 6.5 1.0 500.0 200.0 75.0 30.0	8.5 5.0 2000.0 600.0 200.0	7.45 0.84 248.0 140.0 32.8 14.1 0.19		
3 4 5 7 3 9 10	Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe	MTU mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53)	Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0	8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation	7.45 0.84 248.0 140.0 32.8 14.1 0.19 <0.1		
3 4 5 6 7 7 8 9 10 11	Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine	mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-26) IS 3025 (Part-23)	Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0 0.2 200.0	8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation 1 600.00	7.45 0.84 248.0 140.0 32.8 14.1 0.19 <0.1 212.0		
2 3 4 5 6 7 8 9 10 11 12 13	Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃	mg/l.	IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-26) IS 3025 (Part-23) IS 3025 (Part-23) IS 3025 (Part-32)	Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0 0.2 200.0 250.0	8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation 1 600.00 1000.00	7.45 0.84 248.0 140.0 32.8 14.1 0.19 <0.1 212.0 23.0		
3 4 5 6 7 8 9 10 11 12	Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃ Chloride as CI	mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-26) IS 3025 (Part-23)	Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0 0.2 200.0	8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation 1 600.00	7.45 0.84 248.0 140.0 32.8 14.1 0.19 <0.1 212.0		

SHIBESHWA Digitally signed by SHIBESHWAR PRASAD Date: 2024.03.21 R PRASAD 14:36:38 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2024.03.21 14:39:33 +05'30"

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

- END OF TEST REPORT -

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

Mob : +918676886249 ; +919431047908 Email

Website: www.shivatest.com; www.shivatesthouse.com

sthpatnal @yahoo.co.in : info@shivatest.com





RECOGINSED 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

[a] Nam	ne and address of t	he Customer		RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152					
[b] Deta	ails of Sample			Borewell Wate	er Sample				
[c] Sam	ple Collected by			By Vinay Kumar (Lab Representative) of Shiva Test House 05.03.24					
[d] Sam	pling Location			Collected from Borewell Near Godown					
[e] Meth	nod of Sampling			IS 1622					
[f] Sam	pling Environment	al Condition		Temp (0c)	26	Humidity (%)	58		
[g] No.	& Type of Contain	er		One Sterilized Glass Bottle					
[h] Sam	ple Quantity			250 ml					
[i] Sam	ple Code			BW-10082					
[j] Sam	ple Condition on R	eceipt		Fit for analysis					
	s required to be te			As per contract					
	ether any specific N gested by the custo		t has been	No					
[m] Date	of receiving the sa	ample in Labo	oratory	06.03.24					
[n] Ana	lysis Start Date / A	nalysis Comp	letion Date	06.03.24 / 07	.03.24				
S.N.	Parameters	Unit	Method of Test	Limit as per 201		Result	ts		
1	Total Coliform	/ 100 ml	IS 1622:1981	Shall not be dete		Not Detected	/ 100 ml		
2	E coli	/ 100 ml	IS 1622:1981	Shall not be detectable in 100 Not Detected / 100 ml					



Mr. Vishal Sharma Deputy Quality Manager (DQM)

-- END OF TEST REPORT

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TEST REPORT

	o. STH/TR/23-24/10083 Dt : 2		Your Work O	RAMCO INDU	STDIESITO			
[a] N	ame and address of the Customer				BIADA Industrial Are	a		
[b] D	etails of Sample			Drinking Water				
	ample Collected by				(Lab Representative) of	f Shiva Test		
[d] S	ampling Location			Collected from	Canteen Aquaguard			
[e] M	lethod of Sampling			IS: 3025, APHA				
f S	ampling Environmental Condition			Temp (°C) 26 Humidity (%) 58				
	etails of Sample Container (No. &	Type of Cor	ntainer)	Plastic Bottle (02)				
	ample Quantity			2 Liters				
	ample Code			DW-10083				
	ample Condition on Receipt			Fit for analysis				
	ems required to be tested			As per contract				
[I] V	Whether any specific Method of Tes ne customer	t has been	suggested by	No				
	ate of receiving the sample in Labo	oratory		06.03.24				
[n] A	nalysis Start Date / Analysis Comp	letion Date		06.03.24 / 11.03.24				
				Limit as per IS 10500: 2012				
	IV.			Lillin do p	BI 13 10300. 2012			
S.N.	Parameters	Unit	Method of Test		Permissible Limit in the absence of	Results		
		Unit	Method of Test	Limit (mg/l.)	Permissible Limit	Results		
1	Colour		IS 3025 (Part-4)	Limit (mg/l.) Acceptable	Permissible Limit in the absence of alternative source	< 5.00		
1 2	Colour Odour	Hazen	IS 3025 (Part-4) IS 3025 (Part-5)	Limit (mg/l.) Acceptable 5 Agreeable	Permissible Limit in the absence of alternative source 15 Agreeable	< 5.00 Agreeable		
1 2 3	Colour Odour Taste	Hazen	IS 3025 (Part-4) IS 3025 (Part-5) IS 3025 (Part-7))	Limit (mg/l.) Acceptable 5 Agreeable Agreeable	Permissible Limit in the absence of alternative source 15 Agreeable Agreeable	< 5.00 Agreeable		
1 2 3 4	Colour Odour Taste pH at 25°C	Hazen	IS 3025 (Part-4) IS 3025 (Part-5)	Limit (mg/l.) Acceptable 5 Agreeable Agreeable 6.5	Permissible Limit in the absence of alternative source 15 Agreeable	< 5.00 Agreeable Agreeable		
1 2 3 4 5	Colour Odour Taste pH at 25°C Turbidity on NTU	Hazen	IS 3025 (Part-4) IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11)	Limit (mg/l.) Acceptable 5 Agreeable Agreeable 6.5 1.0	Permissible Limit in the absence of alternative source 15 Agreeable Agreeable 8.5	< 5.00 Agreeable Agreeable 7.06		
1 2 3 4 5 6	Colour Odour Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS)	Hazen	IS 3025 (Part-4) IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10)	Limit (mg/l.) Acceptable 5 Agreeable Agreeable 6.5 1.0 500.0	Permissible Limit in the absence of alternative source 15 Agreeable Agreeable 8.5 5.0	< 5.00 Agreeable Agreeable 7.06 0.58		
1 2 3 4 5 6	Colour Odour Taste pH at 25°C Turbidity on NTU	Hazen NTU mg/l. mg/l.	IS 3025 (Part-4) IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16)	Limit (mg/l.) Acceptable 5 Agreeable Agreeable 6.5 1.0 500.0 200.0	Permissible Limit in the absence of alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0	< 5.00 Agreeable Agreeable 7.06 0.58 54.0		
1 2 3 4 5 6 7	Colour Odour Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca	Hazen NTU mg/l. mg/l. mg/l.	IS 3025 (Part-4) IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21)	Limit (mg/l.) Acceptable 5 Agreeable Agreeable 6.5 1.0 500.0 200.0 75.0	Permissible Limit in the absence of alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0	< 5.00 Agreeable Agreeable 7.06 0.58 54.0 26.0		
1 2 3 4 5 6 7 8 8	Colour Odour Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃	Hazen NTU mg/l. mg/l.	IS 3025 (Part-4) IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-24) IS 3025 (Part-40)	Limit (mg/l.) Acceptable 5 Agreeable Agreeable 6.5 1.0 500.0 200.0 75.0 30.0	Permissible Limit in the absence of alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0	< 5.00 Agreeable Agreeable 7.06 0.58 54.0 26.0 8.0		
1 2 3 4 5 6 7 8 9	Colour Odour Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe	Hazen NTU mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-4) IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-440) IS 3025 (Part-46)	Limit (mg/l.) Acceptable 5 Agreeable Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0	Permissible Limit in the absence of alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0 100.0	< 5.00 Agreeable Agreeable 7.06 0.58 54.0 26.0 8.0 1.46		
1 2 3 4 5 6 7 8 9 10	Colour Odour Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine	Hazen NTU mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-4) IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-26)	Limit (mg/l.) Acceptable 5 Agreeable Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0 0.2	Permissible Limit in the absence of alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation	< 5.00 Agreeable Agreeable 7.06 0.58 54.0 26.0 8.0 1.46 0.06		
1 2 3 4 5 6 7 8 9 10 11	Colour Odour Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃	Hazen NTU mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-4) IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-46) IS 3025 (Part-53)	Limit (mg/l.) Acceptable 5 Agreeable Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0 0.2 200.0	Permissible Limit in the absence of alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation	< 5.00 Agreeable Agreeable 7.06 0.58 54.0 26.0 8.0 1.46 0.06 <0.1		
1 2 3 4 5 6 7 8 9 10 11 12 13	Colour Odour Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃ Chloride as CI	Hazen NTU mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-4) IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-26) IS 3025 (Part-23) IS 3025 (Part-32)	Limit (mg/l.) Acceptable 5 Agreeable Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0 0.2 200.0 250.0	Permissible Limit in the absence of alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation 1 600.00	< 5.00 Agreeable Agreeable 7.06 0.58 54.0 26.0 8.0 1.46 0.06 <0.1 18.0		
S.N. 1 2 3 4 5 6 7 8 9 10 11 12 13 14	Colour Odour Taste pH at 25°C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃	Hazen NTU mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-4) IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-26) IS 3025 (Part-23)	Limit (mg/l.) Acceptable 5 Agreeable Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0 0.2 200.0 250.0 200.0	Permissible Limit in the absence of alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation 1 600.00 1000.00	< 5.00 Agreeable 7.06 0.58 54.0 26.0 8.0 1.46 0.06 <0.1 18.0 9.0		

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2024.03.21

Verified by: Dr. Shibeshwar Prasad Technical Manager



Prasad

Shreyasee Digitally signed by Shreyasee Prasad Date: 2024.03.21 14:39:48 +05'30'

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

- END OF TEST REPORT --

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

Mob.: +918676886249; +919431047908 Website: www.shivatest.com; www.shivatesthouse.com

sthpatnal @vahoo co.in : info@shivatest.com

Page 1 of 1

Contact us:

Email:







RECOGINSED 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

[a] Nar	me and address o	f the Custon	ner	RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152						
[b] Det	ails of Sample			Drinking Water Sample						
[c] San	nple Collected by			By Vinay Kumar (Lab Representative) of Shiva Test House of 05.03.24						
[d] San	npling Location			Collected from Canteen Aquaguard						
[e] Met	hod of Sampling			IS 1622						
[f] San	npling Environmer	ntal Conditio	n	Temp (°c)	26	Humidity (%)	58			
[g] No.	& Type of Contain	iner		One Sterilized	Glass Bottle	(,0)	100			
[h] San	nple Quantity			250 ml						
[i] San	nple Code			DW-10083						
	ple Condition on			Fit for analysis						
	is required to be to			As per contract						
[l] Whe	ether any specific gested by the cust	Method of T tomer	est has been	No						
	e of receiving the			06.03.24						
[n] Ana	lysis Start Date / A	Analysis Cor	npletion Date	06.03.24 / 07.03.24						
S.N.	Parameters	Unit	Method of Test	Limit as per 201	500	Result	s			
1	Total Coliform	/ 100 ml	IS 15185: 2016*	Shall not be dete	ctable in 100	Not Detected	/ 100 ml			
2	E. coli	/ 100 ml	IS 15185: 2016*	Shall not be detectable in 100 Not Detected / 100 ml						



Authorized Signatory Mr. Vishal Sharma Deputy Quality Manager (DQM)

Page 1 of 1

-- END OF TEST REPORT

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

Mob.: +918676886249; +919431047908 Email: sthpatnal@yahoo.co.in; info@shivatest.com





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RECOGINSED 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

[a] I	Name and address of the Custom	er		RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152					
b]	Details of Sample			Effluent Sample					
[c]	Sample Collected by			By Vinay Kumar (Lab Representative) of Shiva Test House on 05.03.24					
[d]	Sampling Location			Collected	from Final Discharge	Point			
[e]	Method of Sampling			IS 3025, APHA					
	Sampling Environmental Conditio			Temp. (00		nidity (%) 58			
[g]	Details of Sample Container (No.	& Type of Cont	tainer)	Plastic Bo	ottle (02)				
	Sample Quantity			2 Litres					
[i]	Sample Code			E-10084					
	Sample Condition on Receipt			Fit for and					
[k]	Items required to be tested			As per co	ntract.				
	Whether any specific Method of T by the customer	est has been s	uggested	140					
[m]	Date of receiving the sample in La	aboratory		06.03.24					
[m]	Date of receiving the sample in La Analysis Start Date / Analysis Co	aboratory mpletion Date		and the second s	/11.03.24				
[m] [n] S.	Date of receiving the sample in La	aboratory mpletion Date Unit	Method	and the second s	/ 11.03.24 Limit as per E (P) Rules Schedule V				
[m] [n] S.	Date of receiving the sample in La Analysis Start Date / Analysis Co	mpletion Date		06.03.24	Limit as per E (P)				
[m] [n] S. N.	Date of receiving the sample in La Analysis Start Date / Analysis Co Parameters	Unit	IS 3025	06.03.24 d of Test	Limit as per E (P) Rules Schedule V	7 Result			
[m] [n] S. N.	Date of receiving the sample in La Analysis Start Date / Analysis Co Parameters pH at 25°C	Unit	IS 3025	06.03.24 d of Test (Part-11)	Limit as per E (P) Rules Schedule V 5.5 to 9.0	7.11			
[m] [n] S. N.	Date of receiving the sample in La Analysis Start Date / Analysis Co Parameters pH at 25°C Suspended Solids	Unit mg/l.	IS 3025 IS 3025	06.03.24 d of Test (Part-11) (Part-17)	Limit as per E (P) Rules Schedule V 5.5 to 9.0 100.0	7.11 55.0			
[m] [n] S. N. 1 2	Date of receiving the sample in La Analysis Start Date / Analysis Co Parameters pH at 25°C Suspended Solids Oil & Grease	Unit mg/l. mg/l.	IS 3025 IS 3025 IS 3025	06.03.24 d of Test (Part-11) (Part-17) (Part-39)	Limit as per E (P) Rules Schedule V 5.5 to 9.0 100.0 10.0	7.11 55.0 1.3			
[m] [n] S. N. 1 2 3	Date of receiving the sample in La Analysis Start Date / Analysis Co Parameters pH at 25°C Suspended Solids Oil & Grease B.O.D. (3 days at 27°C)	mpletion Date Unit mg/l. mg/l. mg/l.	IS 3025 IS 3025 IS 3025 IS 3025	06.03.24 d of Test (Part-11) (Part-17) (Part-39) (Part-44)	Limit as per E (P) Rules Schedule V 5.5 to 9.0 100.0 10.0 30.0	7.11 55.0 1.3 20.0			
[m] [n] S. N. 1 2 3 4	Date of receiving the sample in Lanalysis Start Date / Analysis Corporate Parameters pH at 25°C Suspended Solids Oil & Grease B.O.D. (3 days at 27°C) C.O.D.	mpletion Date Unit mg/l. mg/l. mg/l. mg/l.	IS 3025 IS 3025 IS 3025 IS 3025 APHA APHA (4	06.03.24 d of Test (Part-11) i(Part-17) (Part-39) (Part-44) 5220 B	Limit as per E (P) Rules Schedule V 5.5 to 9.0 100.0 10.0 30.0 250.0	7.11 55.0 1.3 20.0 136.0			
[m] [n] S. N. 1 2 3 4 5	Date of receiving the sample in Lanalysis Start Date / Analysis Corporate Parameters pH at 25°C Suspended Solids Oil & Grease B.O.D. (3 days at 27°C) C.O.D. Dissolved Phosphate as P	mpletion Date Unit mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 IS 3025 IS 3025 IS 3025 APHA APHA (A	06.03.24 d of Test (Part-11) (Part-17) (Part-39) (Part-44) 5220 B 4500-P-D)	Limit as per E (P) Rules Schedule V 5.5 to 9.0 100.0 10.0 30.0 250.0 5.0	7.11 55.0 1.3 20.0 136.0			

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2024.03.21 14:36:59 +05'30'

> Verified by: Dr. Shibeshwar Prasad Technical Manager

Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2024.03.21 14:40:01 +05'30'

Page 1 of 1

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

- END OF TEST REPORT -

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Contact us:

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TEST REPORT

[a]	Name and address of the C	ustomer		RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152							
[b]	Details of Sample			Monitoring of Respirable Dust in Work Zone Area By Vinay Kumar (Lab Representative) of Shiva Test							
[c]	Sample Collected by			House on 05.03.24							
[d]	Sampling Location			Premises of Ramco Bihiya							
	Method of Sampling			IS 5182 (Part - 14)							
[f]	Sampling Environmental Co			Temp. (26	Humidity (%)	58			
[g]	Details of Sample Containe	r (No. & Type of Contain	ner)		per ; Glass Im	pinger					
	Sample Quantity			05							
	Items required to be tested			As per o	contract						
	Whether any specific Metho by the customer		gested	No							
[k]	Date of receiving the sampl	e in Laboratory		06.03.2	The second secon						
[1]	Analysis Start Date / Analys	sis Completion Date		06.03.24 / 11.03.24							
S.	Sampling Point	Sample Code	NA	it as AQS '2009	Unit	Con	centration of Respi Dust (PM10)	irabi			
N.				/M³)	Gnii		[08 hrs.] (µg/M³))			
1	Fibre Mill Area	SC_FE-10085			$\mu g/M^3$		87.14				
2	Hats check Mahine	SC_FE-10086			μ g/M ³		78.42				
3	Stripping Machine	SC_FE-10087	10	0.0	μ g/M ³		81.36				
4	Pulverizer Area	SC_FE-10088			μ g/M ³		73.65				
5	Near DG Room Area	SC_FE-10089	1		μ g/M ³		76.46				

Digitally signed by SHIBESHWAR PRASAD SHIBESHW AR PRASAD Date: 2024.03.21 14:37:07 +05'30'

> Verified by: Dr. Shibeshwar Prasad Technical Manager

Shreyasee Prasad

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TEST REPORT

Ref. No. 5	STH/TR/23-24/1009	0-10093	Dt: 21.03.2	2024 Y	our Work Or	der N	No. MANUAL/	RIL/BIH	Dt: 11.0	6.2023	
[a] Nam	e and address of th	ne Custome	r			Plo Bil	General Mana MCO INDUST ot No. A 1, BIA niya ojpur – 802 15	RIES LTD. DA Industria	l Area		
[b] Deta	ils of Sample	-1-0.07 (Com. Ph.)			*	Mo	nitoring of An	nbient Air Qu	ality		
[c] Sam	ple Collected by					By Vinay Kumar (Lab Representative) of Shiva Test House on 05.03.24					
[d] Sam	pling Location					Pre	mises of Ramco	Bihiya			
[e] Meth	od of Sampling					IS	5182 (Part - 14)			
[f] Sam	pling Environmenta	al Condition			SID STATES	Ter	mp. (°C)	26 Hum	idity (%)	58	
[g] Deta	ils of Sample Conta	ainer (No. 8	Type of Conta	iner)		Filter Paper; Glass Impinger					
	ument ID					STH	1/Equip/97, 73, 83,	70, 84, 71, 85, 72			
[i] Sam	ple Quantity					30	ml x 24 (for ea	ch NO2, SO2)			
[j] Sam	ple Condition on Re	eceipt				Fit	for Analysis				
[k] Items	s required to be tes	ited				As	per contract				
[I] Whe	ther any specific M	ethod of Te	st has been sug	ggested by the	e customer	No					
[m] Date	of receiving the sa	mple in Lat	poratory			06	.03.24				
	ysis Start Date / Ar					06	.03.24 / 11.03	3.24			
1.7				Limit as	I	-	Sampli	ng Station / F	Results		
Pa	arameters	Unit	Method of Test	NAAQS Nov.'2009	Near Mai Gate (SC-A-1009		Near Office (SC-A-10091)	Near Stripping Area (SC-A-10092)	Near Labo (SC-A-10		
1. Partic	ulate Matter (PM ₁₀)	ug/m³	IS 5182	100	73.8 64.8		68.8 68.3	73.8 65.8	75.1 62.7		

			Limit as		Sampli	ng Station / R	esults
Parameters	Unit	Method of Test	NAAQS Nov.'2009	Near Main Gate (SC-A-10090)	Near Office (SC-A-10091)	Near Stripping Area (SC-A-10092)	Near Laboratory (SC-A-10093)
		IS 5182	400	73.8	68.8	73.8	75.1
 Particulate Matter (PM₁₀) 	μg / m ³	(Part-23)	100	64.8	68.3	65.8	62.7
		(Part-23)		70.9	65.8	69.0	64.6
				40.1	38.8	44.3	37.5
 Particulate Matter (PM_{2.5}) 	μg / m ³	USEPA	60	33.8	33.8	35.4	31.3
				42.6	37.6	41.8	38.8
				14.8	15.8	15.1	17.6
				13.1	14.1	13.4	15.0
		IS 5182	80	9.9	10.9	10.1	11.7
 Sulphur Dioxide as SO₂ 	un / m²	(Part-2)	00	8.9	9.9	11.1	12.7
		, ,		11.9	11.9	14.1	13.7
				17.8	14.8	16.1	18.6
				37.6	45.7	43.1	39.8
				35.7	40.5	37.7	38.6
		IS 5182	80	26.2	28.9	24.6	23.2
 Nitrogen Dioxide as NO₂ 	μg / m ³	(Part-6)		32.2	26.2	28.7	26.5
				36.3	38.9	38.3	35.8
			2000 SEC	39.6	43.0	39.7	39.2
Average Value							
PM ₁₀	T			69.8	67.6	69.5	67.5
PM _{2.5}				38.8	36.7	40.5	35.8
SO ₂		1		12.7	12.9	13.3	14.9
NO ₂				34.6	37.2	35.4	33.9

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2024.03.21

Verified by: Dr. Shibeshwar Prasad Technical Manager



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Date: 2024.03.21 14:40:26 +05'30'

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

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TEST REPORT

Ref	f. No. STH/TR/23-24/100	090-10093(A) Dt : 21	.03.2024	Your	Work Order No.	MANUAL/RIL/	BIH D	: 11.06.2023		
[a]	Name and address of	the Customer			Sr. General Ma RAMCO INDUS Plot No. A 1, B Bihiya Bhojpur – 802	TRIES LTD. ADA Industrial	Area			
[b]	Details of Sample				Monitoring of Ambient Air Quality					
[c]	Sample Collected by				By Vinay Kumar (Lab Representative) of Shiva Test House on 05.03.24					
[d]	Sampling Location				Premises of Ramco Bihiya					
[e]	Method of Sampling				IS 5182 (Part - 14)					
[f]	Sampling Environment	tal Condition			Temp. (°C) 26 Humidity (%) 58					
[9]	Details of Sample Con		Filter Paper ; Glass Impinger							
[h]	Instrument ID				STH/Equip/97, 73, 83, 70, 84, 71, 85, 72					
[i]	Sample Quantity				30 ml x 24 (for each NO ₂ , SO ₂)					
[i]	Sample Condition on F	Receipt			Fit for Analysis					
[k]	Items required to be te	A STATE OF THE PARTY OF THE PAR	-		As per contract					
[1]	Whether any specific I the customer	Method of Test has beer	n suggester	d by	No					
[m]	Date of receiving the s	sample in Laboratory			06.03.24					
[n]	Analysis Start Date / A	analysis Completion Date	е		06.03.24 / 11.03.24					
				Limit a	e	Samplin	g Station / Res	ults		
	Parameters	Method of Test	Unit	per EP Notifica on	Near Main	Near Office (SC-A-10091)	Near Stripping Area (SC-A-10092)	Near Laboratory (SC-A-10093)		
1.	Lead (Pb)	IS 5182 (Part-22)	μg / m³	1	0.06	0.06	0.04	0.08		
2.	Ammonia as NH ₂	IS 5182 (Part-5)	μg / m³	400	13.1	13.2	13.6	14.0		
3.	Ozone (O ₃)	IS 5182 (Part-9)	μg / m ³	180	41.7	42.9	39.0	44.2		



SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2024,03.21 14:37:32 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager

Shreyasee Digitally signed by Shreyasee Prasad

Prasad

Date: 2024.03.21 14:40:40 +05'30'

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

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TEST REPORT

Ref	. No. STH/TR/23-24/10090-	10093(B) Dt : 21	.03.2024	Your	Work Order No. 1	MANUAL/RIL/	BIH Dt	11.06.2023				
[a]	Name and address of the	Customer			Sr. General Man RAMCO INDUST Plot No. A 1, BIA Bihiya Bhojpur – 802 1	RIES LTD. ADA Industrial	Area					
[b]	Details of Sample				Monitoring of Ambient Air Quality							
[c]	Sample Collected by				By Vinay Kumar (Lab Representative) of Shiva Test House on 05.03.24							
[d]	Sampling Location				Premises of Ramco Bihiya							
[e]	Method of Sampling				IS 5182 (Part - 14							
[1]	Sampling Environmental	Condition			Temp. (°C)	26	Humidity (%	58				
[g]	Details of Sample Contain	Details of Sample Container (No. & Type of Container)					Filter Paper ; Glass Impinger					
[h]	Instrument ID						STH/Equip/97, 73, 83, 70, 84, 71, 85, 72					
[i]	Sample Quantity				30 ml x 24 (for each NO ₂ , SO ₂)							
[J]	Sample Condition on Rec	eipt			Fit for Analysis							
[k]	Items required to be teste	d			As per contract							
[II]	Whether any specific Met the customer	hod of Test has been	suggested	d by	No							
[m]	Date of receiving the sam	ple in Laboratory			06.03.24							
[n]	Analysis Start Date / Anal	lysis Completion Date	е		06.03.24 / 11.03.24							
-				Limit as	Sampling Station / Results							
	Parameters	Method of Test	Unit	per EP/ Notifica on	Near Main	Near Office (SC-A-10091)	Near Stripping Area (SC-A-10092)	Near Laboratory (SC-A-10093				
1.	Carbon Monoxide (CO)	IS 5182 (Part-10)	mg/m³	4	0.45	0.28	0.57	0.47				
2.	Benzene (C ₆ H ₆)	IS 5182 (Part-11)	μg / m ³	5	0.15	0.16	0.17	0.18				
3.	Benzo (a) Pyrene, (Particulate Phase only)	IS 5182 (Part-12)	ng / m³	1.0	0.16	0.17	0.18	0.19				
4.	Arsenic (As)	AAS Method	ng / m ³	6	0.16	0.11	0.19	0.12				
				_								



ng / m³

20

<20.0

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Verified by: Dr. Shibeshwar Prasad Technical Manager

<20.0

Shreyasee Digitally signed by Shreyasee Prasad Date: 2024.03.21 Prasad 14:40:53 +05'30'

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

<20.0

<20.0

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Contact us:

5.

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Mob.: +918676886249 ; +919431047908

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TEST REPORT

[a] Name and address of the Customer			RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152				
[b] Details of Sample			Monitoring of Stack Emission				
[c] Sample Collected by			By Vinay Kum on 05.03.24	ar (Lab Representative)	of Shiva Test Hous		
[d] Sampling Location			Premises of Ramco Bihiya				
[e] Method of Sampling			IS 11255 (Pa				
[f] Sampling Environmental Condition			Temp. (°C) 26 Humidity (%) 58				
[g] Details of Sample Container (No. & T	ype of Contain	er)	Thimble & Glass Impinger				
[h] Instrument ID			STH/Equip/52				
[i] Sample Quantity			60 ml				
[j] Sample Code			ST-10094				
[k] Sample Condition on Receipt [l] Items required to be tested			Fit for Analysis As per contract				
by the customer [n] Date of receiving the sample in Labor [o] Analysis Start Date / Analysis Complete			06.03.24 06.03.24/1	BOTH THE RESIDENCE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM			
Parameters	Unit	Meth	thod of Test Results				
Stack Connected to			DG Set 1010 KVA				
2. Stack No.			V				
Height of Stack (as reported)	Meter			9.0 r	n.		
4. Dia. of Stack at Top (as reported)	Meter			0.15 m.			
5. Draft				Natu	ral		
Material of Construction				M.S	3.		
	οС			26.	0		
7. Ambient Temperature	-	100					
	°C			136	.0		
8. Flue Gas Temperature		IS 11:	255 (Part-3)	136 7.0			
Flue Gas Temperature Velocity	°C	IS 11	255 (Part-3)		5		
Flue Gas Temperature Velocity Volumetric Flow Rate	°C m/sec.	IS 112	255 (Part-3)	7.0	.9		
Flue Gas Temperature Velocity Volumetric Flow Rate	°C m/sec. NM³/hr.	IS 11:	255 (Part-3)	7.0 349	.9		
Flue Gas Temperature Velocity Volumetric Flow Rate	°C m/sec. NM³/hr.		255 (Part-3) 255 (Part-1)	7.0 349 3.5 1 Limit as per EPA	.9 m.		
8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	⁰ C m/sec. NM ³ /hr. Meter	IS 11:		7.6 349 3.5 I Limit as per EPA Notification	.9 m. Concentration		

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Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

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

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TEST REPORT

Ref. No. STH/TR/23-24/10094(A) Dt. 21.03.	2024	Your Work Or	rder No. M	IANUAL/RIL/I	BIH	D	11.06.2023	
[a] Name and address of the Customer		PI	RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152					
[b] Details of Sample			Monitoring of Stack Emission					
[c] Sample Collected by		By	By Vinay Kumar (Lab Representative) of Shiva Test House on 05.03.24					
[d] Sampling Location		Pi	Premises of Ramco Bihiya					
[e] Method of Sampling		IS	11255	(Part-1,2,3 8	3 7)			
f Sampling Environmental Condition			Temp. (°C) 26 Humidity (%) 58					
[g] Details of Sample Container (No. & T	Type of Conta	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS	Thimble & Glass Impinger					
[h] Instrument ID			TH/Equi	p/52				
[i] Sample Quantity) ml					
[j] Sample Code			T-10094					
[k] Sample Condition on Receipt		The second secon	t for Ana	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I				
Items required to be tested	As	As per contract						
[m] Whether any specific Method of Test suggested by the customer	N	No						
[n] Date of receiving the sample in Labo		06	06.03.24					
[o] Analysis Start Date / Analysis Compl	etion Date	06	06.03.24 / 11.03.24					
Parameters	Unit	Method of	od of Test Results					
Stack Connected to				D	G Set 101	0 KVA	4	
2. Stack No.			V					
Height of Stack (as reported)	Meter		9.0 m.					
4. Dia. of Stack at Top (as reported)	Meter		Ī		0.15 m			
5. Draft			Ì		Natura	1		
6. Material of Construction			t		MS			
7. Ambient Temperature	°C		t		26.0			
			1		136.0			
8. Flue Gas Temperature								
	m/sec.	IS 11255 (F	Part-3)					
9. Velocity	m/sec.	IS 11255 (F	Part-3)		7.6			
9. Velocity 10. Volumetric Flow Rate	m/sec. NM³/hr.	IS 11255 (F	Part-3)		349.9			
9. Velocity 10. Volumetric Flow Rate	m/sec.	IS 11255 (F	Part-3)	Limit as pe	349.9 3.5 m.		centration	
Velocity Volumetric Flow Rate	m/sec. NM³/hr.	IS 11255 (F		Limit as pe Notificat 100.00 mg	349.9 3.5 m. er EPA tion		centration	

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Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyase e Prasad

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

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Contact us:

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Mob.: +918676886249; +919431047908 sthpatnal@vahoo co.in . info@shivatest.com









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TEST REPORT

		1 = 1		VUAL/RIL/	and the second s	Dt:	11.00.2020
[a] Name and address of the Customer	r	Plo	hiya	, BIADA	S LTD. Industrial	Area	
The Details of Sample		And the second s	Bhojpur – 802 152 Monitoring of Stack Emission				
[b] Details of Sample		By	By Vinay Kumar (Lab Representative) of Shiva Test				Test
[c] Sample Collected by		Ho	House on 05.03.24				
[d] Sampling Location			emises of I	Appropriate to the second	_		
[e] Method of Sampling			11255 (P				
f Sampling Environmental Condition			mp. (°C)	26	Humidity (%)	58
g] Details of Sample Container (No. & Type of Container)			imble & G	lass Imp	inger		
[h] Instrument ID			H/Equip/	52			
[i] Sample Quantity			ml				
[j] Sample Code		S7	-10095				
[k] Sample Condition on Receipt		Fit	Fit for Analysis				
Il Items required to be tested		As	per contr	act			
[m] Whether any specific Method of Te suggested by the customer	st has been	No					
[n] Date of receiving the sample in Lab	oratory		.03.24				
[o] Analysis Start Date / Analysis Com	nletion Date	06	03.24/11	.03.24			
of Analysis oldit Bate , many ele	pietion Date						
Parameters	Unit	Method of			Results		
Parameters 1. Stack Connected to	Unit				Results DG Set 750		
Parameters 1. Stack Connected to 2. Stack No.	Unit				DG Set 750		
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported)	Meter				DG Set 750 I 12.9		
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported)	Unit				DG Set 750 I 12.9 0.2	KVA	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft	Meter Meter				DG Set 750 I 12.9 0.2 Natural	KVA	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction	Meter Meter				DG Set 750 I 12.9 0.2 Natural M.S.	KVA	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature	Meter Meter				DG Set 750 I 12.9 0.2 Natural M.S. 26.0	KVA	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature	Meter Meter OC OC	Method of	Test		DG Set 750 1 12.9 0.2 Natural M.S. 26.0 132.0	KVA	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	Meter Meter OC OC m/sec.		Test		DG Set 750 1 12.9 0.2 Natural M.S. 26.0 132.0 7.6	KVA	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter OC OC Mysec. NM³/hr.	Method of	Test		DG Set 750 1 12.9 0.2 Natural M.S. 26.0 132.0 7.6 635.7	KVA	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	Meter Meter OC OC m/sec.	Method of	Test	Limit as p	DG Set 750 1 12.9 0.2 Natural M.S. 26.0 132.0 7.6 635.7 3.5 M per EPA	KVA	entration
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	Meter Meter OC OC M/sec. NM³/hr. Meter	Method of	Part-3)		DG Set 750 1 12.9 0.2 Natural M.S. 26.0 132.0 7.6 635.7 3.5 M per EPA attion	Conc	entration
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter OC OC Mysec. NM³/hr.	Method of	Part-3)	Limit as p	DG Set 750 1 12.9 0.2 Natural M.S. 26.0 132.0 7.6 635.7 3.5 M per EPA attion 0	Conc	

SHIBESHW AR PRASAD Date: 2024.03.21 14:38:20 +05'30'

Digitally signed by SHIBESHWAR PRASAD

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2024.03.21 14:41:43 +05'30"

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

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TEST REPORT

a] Name and address of the Customer			RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya			
			Bhojpur – 802 152			
[b] Details of Sample		Monitorii	Monitoring of Stack Emission			
[c] Sample Collected by			By Vinay Kumar (Lab Representative) of Shiva Test House on 05.03.24			
d] Sampling Location			of Ramco Bihiya			
e] Method of Sampling			IS 11255 (Part-1,2,3 & 7)			
fl Sampling Environmental Condition		Temp. (⁰	the state of the s	ty (%) 58		
g] Details of Sample Container (No. & T	ype of Conta	iner) Thimble	& Glass Impinger			
h] Instrument ID	STH/Equ	uip/52				
i] Sample Quantity	60 ml					
j] Sample Code	ST-1009					
[k] Sample Condition on Receipt	The second secon	Fit for Analysis				
Items required to be tested		As per c	As per contract			
[m] Whether any specific Method of Test suggested by the customer		No				
[n] Date of receiving the sample in Labo	ratory	06.03.24				
[o] Analysis Start Date / Analysis Compl	etion Date	06.03.24	/11.03.24			
Parameters	Unit	Method of Test				
Stack Connected to			DG Set 7	50 KVA		
2. Stack No.			1			
Height of Stack (as reported)	Meter		12	.9		
4. Dia. of Stack at Top (as reported)	Meter		0.	2		
5. Draft			Natu	ural		
	_		M.	S.		
6 Material of Construction						
	°C		26	.0		
7. Ambient Temperature			26 132			
7. Ambient Temperature 8. Flue Gas Temperature	°C	IS 11255 (Part-3)		2.0		
Ambient Temperature Flue Gas Temperature Velocity	°C °C m/sec.	IS 11255 (Part-3)	132	2.0		
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C °C m/sec. NM³/hr.	IS 11255 (Part-3)	132 7. 635	2.0 6 5.7		
Ambient Temperature Flue Gas Temperature Velocity	°C °C m/sec.	IS 11255 (Part-3)	132 7. 635 3.5 Limit as per EPA	2.0 6 5.7 M		
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C °C m/sec. NM³/hr.	IS 11255 (Part-3)	132 7. 633 3.5	2.0 6 5.7		

Digitally signed by SHIBESHWAR PRASAD SHIBESHW AR PRASAD Date: 2024.03.21 14:38:30 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager

Shreyasee Digitally signed by Shreyasee Prasad

Prasad

Date: 2024.03.21 14:42:24 +05'30'

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

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TEST REPORT

	f. No. STH/TR/23-24/10096 Dt: 21.03.2024 Your W			Di: 11.06.2023		
a] Name and address of the Custom	Plot No. A Bihiya Bhojpur –	RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152				
b] Details of Sample		Monitoring	of Stack Emission			
c] Sample Collected by		House on 05.0	By Vinay Kumar (Lab Representative) of Shiva Test House on 05.03.24			
d] Sampling Location			of Ramco Bihiya			
e] Method of Sampling			IS 11255 (Part-1,2,3 & 7)			
f] Sampling Environmental Condition	n	Temp. (°C)	26 Humidity	(%) 58		
g] Details of Sample Container (No. & 7						
h] Instrument ID	STH/Equip	/52	1-1			
- 10 - 14	60 ml		11			
	ST-10096					
jj Sample Code		Fit for Ana	lysis			
[k] Sample Condition on Receipt [l] Items required to be tested		The second secon	As per contract			
[m] Whether any specific Method of suggested by the customer		No				
Data of receiving the cample in !	aboratory	06.03.24				
In Date of receiving the sample in L	aboratory		11.03.24			
 Date of receiving the sample in L Analysis Start Date / Analysis Co 	mpletion Date	06.03.24/1	11.03.24 Resu	lts		
 [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Control Parameters 	aboratory empletion Date Unit					
 [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Connected to 	mpletion Date	06.03.24/1	Resu			
[n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Co Parameters 1. Stack Connected to 2. Stack No.	mpletion Date	06.03.24/1	Resul Pulver	iser		
 [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Connected Stack Connected to Stack No. Height of Stack (as reported) 	Unit	06.03.24/1	Resul Pulveri	m.		
 [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Connected Stack Connected to Stack No. Height of Stack (as reported) Dia. of Stack at Top (as reported) 	Unit Meter	06.03.24/1	Pulveri III 14.2 r 0.2 n Natur	m. n. ral		
 [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Connected to Stack Connected to Stack No. Height of Stack (as reported) Dia. of Stack at Top (as reported) Draft 	Unit Meter	06.03.24/1	Pulveri III 14.2 s	m. n. ral		
 [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Connected to Stack Connected to Stack No. Height of Stack (as reported) Dia. of Stack at Top (as reported) Draft Material of Construction 	Meter Meter	06.03.24/1	Pulveri III 14.2 r 0.2 n Natur M.S	m. n. ral		
 [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Connected to Stack Connected to Stack No. Height of Stack (as reported) Dia. of Stack at Top (as reported) Draft Material of Construction Ambient Temperature 	Meter Meter	06.03.24/1	Resul Pulveri 111 14.2 r 0.2 n Natur M.S 26.0	m. n. ral 6.		
 [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Connected to Stack Connected to Stack No. Height of Stack (as reported) Dia. of Stack at Top (as reported) Draft Material of Construction Ambient Temperature Flue Gas Temperature 	Meter Meter OC	06.03.24/1	Resul Pulveri 111 14.2 s 0.2 n Natur M.S 26.0 56.0	m. n. ral s. 0		
 [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Connected to Stack Connected to Stack No. Height of Stack (as reported) Dia. of Stack at Top (as reported) Draft Material of Construction Ambient Temperature Flue Gas Temperature Velocity 	Meter Meter OC OC	06.03.24 / 1 Method of Test	Result Pulveri 111 14.2 r 0.2 n Natur M.S 26.6 56.8	m. n. ral s. 0 0 8 .0		
[n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Converged Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter OC OC m/sec.	06.03.24 / 1 Method of Test	Result Pulveri 111 14.2 r 0.2 n Natur M.S 26.0 56.0 6.8 699	m. n. ral s. 0 0 8 .0		
 [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Connected to Stack Connected to Stack No. Height of Stack (as reported) Dia. of Stack at Top (as reported) Draft Material of Construction Ambient Temperature Flue Gas Temperature Velocity 	Meter Meter OC OC m/sec. NM³/hr.	06.03.24 / 1 Method of Test	Result Pulveri 111 14.2 r 0.2 n Natur M.S 26.6 56.8	m. n. ral s. 0 0 M. Concentration		
 [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Convergence 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point 	Meter Meter OC OC on/sec. NM³/hr. Meter	06.03.24 / 1 Method of Test	Result Pulveri III 14.2 r 0.2 n Natur M.S 26.0 56.0 6.8 699 5.0 r Limit as per EPA	m. n. ral 3. 0 0 8 .0 M. Concentration 1.8		
[n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Converged Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter OC OC m/sec. NM³/hr.	06.03.24 / 1 Method of Test IS 11255 (Part-3)	Result	m. n. ral s. 0 0 M. Concentration		

Digitally signed by SHIBESHWAR PRASAD SHIBESHW AR PRASAD Date: 2024.03.21 14:38:40 +05'30'

> Verified by: Dr. Shibeshwar Prasad Technical Manager



- END OF TEST REPORT

Prasad

Shreyasee Digitally signed by Shreyasee Prasad Date: 2024.03.21 14:42:40 +05'30'

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

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TEST REPORT

[a]	[a] Name and address of the Customer			RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152			
[b]	Details of Sample			of Stack Emission			
-				By Vinay Kumar (Lab Representative) of Shiva Test House			
[d]	Sampling Location		Premises of	Ramco Bihiya			
[e]	Method of Sampling		IS 11255 (F	Part-1,2,3 & 7)			
[f]	Sampling Environmental Condition		Temp. (°C)	26 Humidity	(%) 58		
[9]	Details of Sample Container (No. 8	Type of Contain	er) Thimble & (Glass Impinger			
[h]	Instrument ID		STH/Equip/				
[i]							
[j] Sample Code			ST-10097				
[k]	Sample Condition on Receipt	Fit for Analy	Fit for Analysis				
[1]	Items required to be tested		As per cont	As per contract			
[m]	Whether any specific Method of Te suggested by the customer	st has been	No				
[n]	Date of receiving the sample in Lat	oratory	06.03.24				
[0]	Analysis Start Date / Analysis Com	pletion Date	06.03.24/11	1.03.24			
	Parameters	Unit	Method of Test	Res	ults		
1.	Stack Connected to			Cement / Fly	Ash Circuit		
2.	Stack No.			1	/		
3.	Height of Stack (as reported)	Meter		26	.2		
4.	Dia. of Stack at Top (as reported)	Meter		0.4	45		
5.	Draft			Nati	ural		
6.	Material of Construction			M.	S.		
7.	Ambient Temperature	°C		26	0.0		
8.	Flue Gas Temperature	°C		36	.0		
9.	Velocity	m/sec.	IS 11255 (Part-3)	6.	6		
10.	Volumetric Flow Rate	NM ³ /hr.		364	4.1		
11.	Sampling Point	Meter		10.0) M.		
				Limit as per EPA Notification	Concentration		
12.	Particulate Matter (P.M.)	mg / NM³	IS 11255 (Part-1)	100	12.1		
13.	Sulphur Dioxide (SO ₂)	mg / NM³	IS 11255 (Part-2)		Not detectable		
14.	Oxides of Nitrogen (NOx)	mg / NM³	IS 11255 (Part-7)		Not detectable		

Digitally signed by SHIBESHWAR PRASAD SHIBESHW AR PRASAD Date: 2024.03.21

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2024.03.21 14:42:54 +05'30"

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

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TEST REPORT

[a] Name and address of the Custome		RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya				
			Bhojpur – 802 152			
[b] Details of Sample			Monitoring of Stack Emission			
[c] Sample Collected by		By Vinay Ku on 05.03.24	By Vinay Kumar (Lab Representative) of Shiva Test House			
[d] Sampling Location		The second secon	of Ramco Bihiya			
[e] Method of Sampling			(Part-1,2,3 & 7)			
	f] Sampling Environmental Condition			(%) 58		
[g] Details of Sample Container (No. & T	Temp. (°C er) Thimble 8	C) 26 Humidity & Glass Impinger	1			
[h] Instrument ID	STH/Equ					
i Sample Quantity	60 ml					
[j] Sample Code	ST-10098	3				
[k] Sample Condition on Receipt		Fit for An	Fit for Analysis			
[I] Items required to be tested			As per contract			
[m] Whether any specific Method of To suggested by the customer	No	No				
[n] Date of receiving the sample in La	boratory	06.03.24	06.03.24			
[o] Analysis Start Date / Analysis Con		06.03.24 /	11.03.24			
Parameters	Unit	Method of Test	est Results			
Stack Connected to			Fibre Dust	Collector		
2. Stack No.			II			
Height of Stack (as reported)	Meter		26	2		
4. Dia. of Stack at Top (as reported)	Meter		0.5	3		
5. Draft			Natu	ıral		
6. Material of Construction			M.	S.		
7. Ambient Temperature	°C		26.	.0		
8. Flue Gas Temperature	°C	The second second second	32	.0		
9. Velocity	m/sec.	IS 11255 (Part-3)	6.	5		
10. Volumetric Flow Rate	NM ³ /hr.		503	3.0		
11. Sampling Point	Meter		5.0	m.		
			Limit as per EPA Notification	Concentration		
	mg / NM³	IS 11255 (Part-1)	2.0	1.7		
12. Particulate Matter (P.M.)						
 Particulate Matter (P.M.) Sulphur Dioxide (SO₂) 	mg / NM³	IS 11255 (Part-2)		Not Detectable		

R PRASAD

SHIBESHWA Digitally signed by SHIBESHWAR PRASAD Date: 2024.03.21 14:39:03 +05'30'

Verified by:

Dr. Shibeshwar Prasad Technical Manager

Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2024.03.21 14:43:09 +05'30'

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

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TEST REPORT

[a]	Name and address of the Custo	RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152					
[b]	Sampling Environmental Condit	Temp. (°C)	26	Humidity (%)	58		
[c]	Details of Sample		Monitoring of Ambi	ent Noise Lev	el at Ramco Bihiy	a	
[d]	Monitored by		By Vinay Kumar (Lab 05/06.03.24	Representative) of Shiva Test Hou	se on	
[e]	Whether any specific Method of Test has been suggested by the party		No				
	Sampling Location	Unit	Time	e Weighted A of Noise	verage (TWA) Level		
1.	Near Main Gate	dB(A)		67.1			
2.	Near Office	dB(A)		54.6	3		
3.	Near Stripping Area	dB(A)		66.8	3		
4.	Near Fibre Mill	dB(A)		61.0)		
5.	Near DG Room	dB(A)		70.5	;		
N.B.:	The Ambient Air Quality Standar 2000 for Industrial area is dB(A) & for Silence Zone is 50.0 shall take action against violator against any area/zone.	75.0 dB(A), for dB(A) in days	Commercial area is in ime i.e. 6.00 am to 9.0	65.0 dB(A), for 0 p.m. As per l	Residential area Rule 7(1&2) the a	is 55.0 uthority	

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2024.03.21

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2024.03.21 14:43:26 +05'30'

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

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Website: www.shivatest.com; www.shivatesthouse.com

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TEST REPORT

Ref. No. STH/TR/23-24/9535 Dt: 05.03.2	ej. No. 311411425-243555			LTD.		
a] Name and address of the Customer			Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152			
			Monitoring of Stack Emission			
b] Details of Sample		By Vinay K	umar (Lab Repres	entative) of	Shiva Test	
c] Sample Collected by		House on I	9.02.24			
d] Sampling Location			of Ramco Bihiy			
e] Method of Sampling	main or all seeds		(Part-1,2,3 &			
f Sampling Environmental Condition		Temp. (0		Humidity (%	(6)	
g) Details of Sample Container (No. &	Type of Conta	ainer) Thimble	& Glass Imping	ger		
h] Instrument ID			iip/52			
[j] Sample Code [k] Sample Condition on Receipt		Fit for Ar	alysis			
		As per c	The state of the s			
[l] Items required to be tested [m] Whether any specific Method of Test suggested by the customer	st has been	No				
- the second in lab	oratory	20.02.24				
	nletion Date	20.02.24	/ 25.02.24			
[o] Analysis Start Date / Analysis Com	Unit	Method of Test		Results		
- 15 11	-		DC	Set 750 H	(VA	
Stack Connected to Stack No.				1		
Height of Stack (as reported)	Meter			12.9		
Dia. of Stack at Top (as reported)	Meter			0.2		
5. Draft				Natural		
6. Material of Construction				M.S.		
7. Ambient Temperature	°C			25.0		
8. Flue Gas Temperature	°C			134.0		
9. Velocity	m/sec.	IS 11255 (Part-3)		7.8		
10. Volumetric Flow Rate	NM ³ /hr.			645.1		
11. Sampling Point	Meter			3.5 M		
The same of the sa			Limit as per Notificat		Concentration	
12. Particulate Matter (P.M.)	mg / NM³	IS 11255 (Part-1)	75.0		31.2	
13. Sulphur Dioxide (SO ₂)	mg / NM³	IS 11255 (Part-2)	Not Speci		14.8	
14. Oxides of Nitrogen (NOx)	mg / NM³	IS 11255 (Part-7)	710.0		147.4	

Prasad

Shibeswar Digitally signed by Shibeswar Prasad Date: 2024.03.05 14:04:08 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2024.03.05 14:05:58 +05'30'

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

-- END OF TEST REPORT

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TEST REPORT

Ref. No. STH/TR/23-24/9535(A) Dt: 05.03.	Your Work Order No.		Dt: 11.06.2023			
[a] Name and address of the Customer	Plot No. Bihiya	•				
[b] Details of Sample			Bhojpur – 802 152 Monitoring of Stack Emission			
[c] Sample Collected by		By Vinay K	By Vinay Kumar (Lab Representative) of Shiva Test			
		THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED I	House on 19.02.24 Premises of Ramco Bihiya			
[d] Sampling Location [e] Method of Sampling			(Part-1,2,3 & 7)			
f Sampling Environmental Condition		Temp. (0		ty (%) 67		
g] Details of Sample Container (No. & T	vne of Conta		Thimble & Glass Impinger			
h] Instrument ID	JPC OF COME	STH/Equ				
[i] Sample Quantity						
j] Sample Code	The same of the sa	60 ml ST-9535				
k] Sample Condition on Receipt	Fit for Ar	Fit for Analysis				
Items required to be tested		As per co	As per contract			
[m] Whether any specific Method of Test suggested by the customer		No				
[n] Date of receiving the sample in Labo		20.02.24				
[o] Analysis Start Date / Analysis Compl		20.02.24	25.02.24			
Parameters	Unit	Method of Test				
Stack Connected to			DG Set 7	50 KVA		
2. Stack No.			1			
Height of Stack (as reported)	Meter		12.	9		
 Dia. of Stack at Top (as reported) 	Meter		0.2	2		
5. Draft			Natu	ral		
6. Material of Construction			M.S	3.		
7. Ambient Temperature	°C		25.	0		
8. Flue Gas Temperature	°C		134.0			
9. Velocity	m/sec.	IS 11255 (Part-3)	5 (Part-3) 7.8			
10. Volumetric Flow Rate	NM³/hr.		645	.1		
11. Sampling Point	Meter		3.5	М		
			Limit as per EPA Notification	Concentration		
12. NMHC (as C) (at 15% O ₂)	mg/NM³	CPCB	100.00 mg / NM ³	24.8		
13. Carbon Monoxide as CO (at 15% O ₂)	mg./NM³	IS 13270 - 2003	150.00 mg / NM ³	The second secon		

r Prasad

Shibeswa Digitally signed by Shibeswar Prasad Date: 2024.03.05 14:04:23 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2024.03.05 14:06:19 +05'30'

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

END OF TEST REPORT -

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TEST REPORT

Ref. No. STH/TR/23-24/9536 Dt: 05.0.			No. MANUAL/RIL/BIH			
[a] Name and address of the Customer			Plot No. A 1, BIADA Industrial Area Bihiya			
[b] Details of Sample			Bhejpur – 802 152			
[c] Sample Collected by		Ry Vina	Monitoring of Stack Emission			
	A STATE OF THE STA	on 19.02	By Vinay Kumar (Lab Representative) of Shiva Test Ho on 19.02.24			
[d] Sampling Location		Premis	es of Ramco Bihiya			
[e] Method of Sampling			55 (Part-1,2,3 & 7)			
[f] Sampling Environmental Condition	on	Temp		lumidity (%) 67		
[g] Details of Sample Container (No. & 7	Type of Contai	ner) Thimb	le & Glass Impinger	, , , ,		
[h] Instrument ID			quip/52			
[i] Sample Quantity						
[j] Sample Code			ST-9536			
[k] Sample Condition on Receipt			Fit for Analysis			
[I] Items required to be tested		As per	As per contract			
[m] Whether any specific Method of T suggested by the customer		No				
[n] Date of receiving the sample in La	aboratory	20.02.2	4			
[o] Analysis Start Date / Analysis Cor	mpletion Date		4/25.02.24			
Parameters	Unit	Method of Te				
Stack Connected to			Fibre	Dust Collector		
2. Stack No.				II		
Height of Stack (as reported)	Meter			26.2		
Dia. of Stack at Top (as reported)	Meter			0.53		
5. Draft				Natural		
Material of Construction				M.S.		
7. Ambient Temperature	°C			25.0		
Flue Gas Temperature	°C			28.0		
9. Velocity	m/sec.	IS 11255 (Part-	3)	6.3		
Volumetric Flow Rate	NM ³ /hr.			4955.0		
Sampling Point	Meter			5.0 m.		
			Limit as per El Notification	PA C		
Particulate Matter (P.M.)	mg / NM³	IS 11255 (Part-		1.4		
	(4 14 43			1,4		
 Sulphur Dioxide (SO₂) Oxides of Nitrogen (NOx) 	mg/NM³	IS 11255 (Part-2	2)	Not Detectable		

r Prasad

Shibeswa Digitally signed by Shibeswar Prasad Date: 2024.03.05 14:04:40 + 05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



- END OF TEST REPORT -

Shreyasee Digitally signed by Shreyasee Prasad

Prasad

Date: 2024.03.05 14:07:07 +05'30"

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

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TEST REPORT

Ref. No. STH/TR/23-24/9537 Di: 05.0	33.2024	Your Work Order No. M	The state of the s	Di: 11.06.2023		
[a] Name and address of the Custon		DUSTRIES LTD. 1, BIADA Industria 802 152	l Area			
[b] Details of Sample		The second secon	Monitoring of Stack Emission			
[c] Sample Collected by		By Finay Kun	By Finay Kumar (Lab Representative) of Shive Test House on 19.02.24			
[d] Sampling Location		Premises	of Ramco Bihiya			
[e] Method of Sampling			Part-1,2,3 & 7)			
[f] Sampling Environmental Condition	on	Temp. (°C)		(%) 67		
[g] Details of Sample Container (No. &			Thimble & Glass Impinger			
[h] Instrument ID	STH/Equip	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME				
[i] Sample Quantity	60 ml					
[j] Sample Code	ST-9537					
[k] Sample Condition on Receipt						
[I] Items required to be tested			Fit for Analysis As per contract			
suggested by the customer [n] Date of receiving the sample in L [o] Analysis Start Date / Analysis Co		No 20.02.24 20.02.24/2	25.02.24			
Parameters	Unit	Method of Test	Resu	ilts		
Stack Connected to			Pulver	riser		
2. Stack No.			Ш			
3. Height of Stack (as reported)	Meter		14.2			
			2.0	m.		
Dia. of Stack at Top (as reported)	Meter		0.21			
Dia. of Stack at Top (as reported) Draft	Meter		0.2 r	m.		
				m. ral		
Draft Material of Construction Ambient Temperature	 °C		Natu	m. ral S.		
Draft Material of Construction Ambient Temperature Flue Gas Temperature			Natu M.S	m. ral 3.		
Draft Material of Construction Ambient Temperature Flue Gas Temperature Velocity	°C °C m/sec.	IS 11255 (Part-3)	Natu M.S 25. 30. 6.8	m. ral 3. 0 0		
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C	IS 11255 (Part-3)	Natu M.S 25. 30. 6.8 758	m. ral S. 0 0 0 8		
Draft Material of Construction Ambient Temperature Flue Gas Temperature Velocity	°C °C m/sec.	IS 11255 (Part-3)	Natu M.S 25. 30. 6.8 758	m. ral S. 0 0 0 8		
Draft Material of Construction Ambient Temperature Flue Gas Temperature Velocity Volumetric Flow Rate Sampling Point	°C °C m/sec. NM³/hr. Meter		Natu M.S 25. 30. 6.8 758	m. ral S. 0 0 85 M. Concentration		
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point 12. Particulate Matter (P.M.)	°C °C m/sec. NM³/hr. Meter	IS 11255 (Part-1)	Natu M.S 25. 30. 6.8 758 5.0 Limit as per EPA	m. ral S. 0 0 0 8		
Draft Material of Construction Ambient Temperature Flue Gas Temperature Velocity Volumetric Flow Rate Sampling Point	°C °C m/sec. NM³/hr. Meter		Natu M.S 25. 30. 6.8 758 5.0 Limit as per EPA Notification	m. ral S. 0 0 85 M. Concentration		

Shibeswar Digitally signed by Shibeswar Prasad Date: 2024.03.05

Technical Manager

Prasad 14:04:54 +05'30"

Verified by: Dr. Shibeshwar Prasad



- END OF TEST REPORT -

Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2024.03.05 14:07:23 +05'30'

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

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sthpatna l@vahoo.co.in . info@shivatest.com

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TEST REPORT

Ref. No. STH/TR/23-24/9538 Dt: 05.	our Work Order No. MAN		Di: 11.06.2023				
[a] Name and address of the Custom		OUSTRIES LTD. , BIADA Industrial 02 152	Area				
[b] Details of Sample		Monitoring of	Monitoring of Stack Emission				
[c] Sample Collected by		By Vinay Kuma on 19.02.24	r (Lab Representative)	of Shiva Test House			
			Ramco Bihiya				
[d] Sampling Location			IS 11255 (Part-1,2,3 & 7)				
[e] Method of Sampling[f] Sampling Environmental Condition	n .	Temp. (°C)	22 Humidity	(%) 67			
	& Type of Contain		Blass Impinger	()			
191	STH/Equip/s						
	60 ml						
	ST-9538						
Sample Code Sample Condition on Receipt	Fit for Analy	sis					
Items required to be tested			As per contract				
[m] Whether any specific Method of suggested by the customer		No					
[n] Date of receiving the sample in L	aboratory	20.02.24					
[o] Analysis Start Date / Analysis Co	mpletion Date	20.02.24 / 25					
Parameters	Unit	Method of Test	Res				
Stack Connected to			Cement / Fly				
2. Stack No.			IN.				
3. Height of Stack (as reported)	Meter		26	The second secon			
Dia. of Stack at Top (as reported)	Meter		0.4				
5. Draft			Nati				
6. Material of Construction			M.				
7. Ambient Temperature	°C		25				
8. Flue Gas Temperature	°C		33				
9. Velocity	m/sec.	IS 11255 (Part-3)	6.				
10. Volumetric Flow Rate	NM ³ /hr.		359				
11. Sampling Point	Meter		10.0) M.			
			Limit as per EPA Notification	Concentratio			
12. Particulate Matter (P.M.)	mg / NM³	IS 11255 (Part-1)	100	14.1			
	111111	10 110FF (D 1 0)		Net detectable			
13. Sulphur Dioxide (SO ₂)	mg / NM³	IS 11255 (Part-2)		Not detectable			

Shibeswar Digitally signed by Shibeswar Prasad Date: 2024.03.05 Prasad

14:05:07 +05'30' Verified by:

Dr. Shibeshwar Prasad Technical Manager

Patna 800013

Shreyasee

Digitally signed by Shreyasee Prasad Date: 2024.03.05

Prasad 14:07:39 +05'30' Authorized Signatory Dr. (Mrs.) Shreyasee Prasad

Quality Manager

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TEST REPORT

[a] Name and address of the Customer			RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152			
[b] Details of Sample			Monitoring of	Stack Emission		
[c] Sample Collected by			By Vinay Kumar (Lab Representative) of Shiva Test Hou on 19.02.24			
[d] Sampling Location			Premises of R			
[e] Method of Sampling			IS 11255 (Pa			
fl Sampling Environmental Condition			Temp. (°C)	22 Humidity (%) 67	
[g] Details of Sample Container (No. & T)	ype of Contain	er)		lass Impinger		
h] Instrument ID			STH/Equip/5	2		
[i] Sample Quantity			60 ml			
[j] Sample Code			ST-9539			
[k] Sample Condition on Receipt [l] Items required to be tested			Fit for Analysis As per contract			
[m] Whether any specific Method of Test by the customer [n] Date of receiving the sample in Labor [o] Analysis Start Date / Analysis Comple	atory	jested	No 20.02.24 20.02.24 / 25	5.02.24		
Parameters	Unit	Meth	od of Test	Resu	lts	
Stack Connected to				DG Set 10	10 KVA	
2. Stack No.	1			V		
Height of Stack (as reported)	Meter			9.0 r	n.	
4. Dia. of Stack at Top (as reported)	Meter			0.15	m.	
	- Iniete:			Natu	ral	
				M.S	S	
	°C			25.		
7. Ambient Temperature	°C			142		
9 Flue Cas Temperature						
		IS 11	255 (Part-3)	8.4		
9. Velocity	m/sec.	IS 11	255 (Part-3)	8.4		
Velocity Volumetric Flow Rate	m/sec. NM³/hr.	IS 11	255 (Part-3)	381	.8	
9. Velocity	m/sec.	IS 11	255 (Part-3)	381 3.5 Limit as per EPA	.8 m.	
9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	m/sec. NM³/hr. Meter			381 3.5 Limit as per EPA Notification	.8 m. Concentration	
Velocity Volumetric Flow Rate	m/sec. NM³/hr.	IS 11	255 (Part-3) 255 (Part-1) 255 (Part-2)	381 3.5 Limit as per EPA	.8 m.	

Prasad

Shibeswar Digitally signed by Shibeswar Prasad Date: 2024.03.05 14:05:28 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Digitally signed by Shreyasee Prasad Prasad

Date: 2024.03.05 14:07:53 +05'30'

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

- END OF TEST REPORT

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TEST REPORT

Ref. No. STH/TR/23-24/9539(A) Dt: 05.03.	.2024	Your Work Order No.		Dt: 11.06.202
[a] Name and address of the Customer		Plot No. Bihiya	INDUSTRIES LTD. A 1, BIADA Industr - 802 152	rial Area
[b] Details of Sample			ng of Stack Emission	
[c] Sample Collected by			umar (Lab Representative	e) of Shiva Test
[d] Sampling Location		Premises	of Ramco Bihiya	
[e] Method of Sampling		IS 11255	(Part-1,2,3 & 7)	
[f] Sampling Environmental Condition		Temp. (0	C) 22 Humid	lity (%) 67
[g] Details of Sample Container (No. &]	Type of Conta	ainer) Thimble	& Glass Impinger	
[h] Instrument ID		STH/Equ	ip/52	
[i] Sample Quantity		60 ml		
[j] Sample Code		ST-9539		
[k] Sample Condition on Receipt		Fit for Ar		
[I] Items required to be tested		As per c	ontract	
[m] Whether any specific Method of Test suggested by the customer		No		
[n] Date of receiving the sample in Labo		20.02.24		
[o] Analysis Start Date / Analysis Compl	etion Date	practical contraction of the same state of the same	/ 25.02.24	
Parameters	Unit	Method of Test	Resu	ults
Stack Connected to			DG Set 10	010 KVA
2. Stack No.			V	,
Height of Stack (as reported)	Meter		9.0	m.
4. Dia. of Stack at Top (as reported)	Meter		0.15	m.
5. Draft			Natu	ıral
6. Material of Construction			MS	S
7. Ambient Temperature	°C		25.	
8. Flue Gas Temperature	°C		142	
9. Velocity	m/sec.	IS 11255 (Part-3)	8.4	
10. Volumetric Flow Rate	NM³/hr.		381	
11. Sampling Point	Meter		3.5	
			Limit as per EPA Notification	Concentration
12. NMHC (as C) (at 15% O ₂)	mg / NM³	CPCB	100.00 mg / NM ³	27.6
13. Carbon Monoxide as CO (at 15% O ₂)	mg / NM³	IS 13270 - 2003	150.00 mg / NM ³	25.0

Prasad

Shibeswar Digitally signed by Shibeswar Prasad Date: 2024.03.05 14:05:41 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager

Patna 800013

- END OF TEST REPORT

Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2024.03.05 14:08:08 +05'30'

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

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Contact us:

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Mob.: +918676886249; +919431047908

sthpatnal@yahoo.co.in : info@shivatest.com

Website: www.shivatest.com; www.shivatesthouse.com







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TEST REPORT

[a] Name and address of the Customer				NDUSTRIES L 1, BIADA Ind 802 152		Area
[b] Details of Sample			Monitoring	of Stack Emissi	ion	
[c] Sample Collected by			House on 24			Shiva Test
d] Sampling Location				f Ramco Bihiya		
e] Method of Sampling				Part-1,2,3 & 7)	
f Sampling Environmental Condition			Temp. (°C) 21	Humidity (%	6) 73
g] Details of Sample Container (No. &	Type of Cont	ainer)	Thimble 8	Glass Impinge	er	
h] Instrument ID			STH/Equi	0/52		
i] Sample Quantity			60 ml			
j] Sample Code			ST-8883			
k] Sample Condition on Receipt			Fit for Ana	lysis		
Il Items required to be tested			As per co	ntract		
[m] Whether any specific Method of Tes suggested by the customer	st has been		No			
[n] Date of receiving the sample in Lab	oratory		25.01.24			
[o] Analysis Start Date / Analysis Com	pletion Date		25.01.24/	30.01.24		
Parameters	Unit	Method	of Test		Results	
Stack Connected to				DG	Set 750 K	VA
2. Stack No.			-		1	
Height of Stack (as reported)	Meter		-		12.9	
Dia. of Stack at Top (as reported)	Meter				0.2	
5. Draft			-		M.S.	
Material of Construction					21.0	
7. Ambient Temperature	0C		-			
Flue Gas Temperature	°C	10.1105	F (D-10)		131.0	
9. Velocity	m/sec.	IS 1125	5 (Part-3)		7.5	
10. Volumetric Flow Rate	NM³/hr.				626.2	
11. Sampling Point	Meter			Limit as per E Notificatio		Concentration
12. Particulate Matter (P.M.)	mg / NM³	IS 1125	5 (Part-1)	75.0		28.8
12. Particulate Matter (P.M.) 13. Sulphur Dioxide (SO ₂)	mg / NM³		5 (Part-2)	Not Specifie	ed	22.0
13. Gulphul Dioxide (GOZ)	mg / NM³	IS 1125	And the last of th	710.0		152.2

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2024.02.10

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyase e Prasad

Digitally signed by Shreyasee Prasad Date: 2024.02.10 11:37:48 +05'30'

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

END OF TEST REPORT

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TEST REPORT

[a] Name and address of the Customer			NDUSTRIES LTD. A 1, BIADA Industria - 802 152	al Area
b] Details of Sample		Monitoring	g of Stack Emission	Variable and the second
c] Sample Collected by		By Vinay Ku House on 2-	mar (Lab Representative) 4.01.24) of Shiva Test
d] Sampling Location			of Ramco Bihiya	
e] Method of Sampling			(Part-1,2,3 & 7)	
f Sampling Environmental Condition		Temp. (°C		ly (%) 73
g] Details of Sample Container (No. & T	ype of Conta		Glass Impinger	
h] Instrument ID		STH/Equi	p/52	
Sample Quantity		60 ml		
j] Sample Code		ST-8883	-b-sis	
k] Sample Condition on Receipt l] Items required to be tested		Fit for Ana As per co		
Items required to be tested		No 25.01.24		
o Analysis Start Date / Analysis Compl	etion Date	25.01.24/	30.01.24	
Parameters	Unit	Method of Test	Resu	lts
Stack Connected to			DG Set 75	50 KVA
2. Stack No.	1		1	
3. Height of Stack (as reported)	Meter		12.5	9
4. Dia. of Stack at Top (as reported)	Meter		0.2	!
5. Draft			Natu	ral
6. Material of Construction			M.S	3.
7. Ambient Temperature	°C		21.	0
. Aniologic remperence	°C		131	.0
8 Flue Gas Temperature			7.5	5
	m/sec.	IS 11255 (Part-3)		
9. Velocity	m/sec.	IS 11255 (Part-3)	626	.2
9. Velocity 10. Volumetric Flow Rate	m/sec. NM³/hr.	IS 11255 (Part-3)		
9. Velocity 10. Volumetric Flow Rate	m/sec.	IS 11255 (Part-3)	626	
Velocity Volumetric Flow Rate	m/sec. NM³/hr.	IS 11255 (Part-3)	626 3.5 Limit as per EPA	M

R PRASAD

SHIBESHWA Digitally signed by SHIBESHWAR PRASAD Date: 2024.02.10 11:34:28 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee

Shreyasee Prasad Date: 2024.02.10 Prasad 11:37:59 +05'30'

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

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TEST REPORT

[a] Name and address of the Custome	er		DUSTRIES LTD. 1, BIADA Industria 802 152	l Area
[b] Details of Sample		Monitoring of	of Stack Emission	
[c] Sample Collected by		By Vinay Kum on 24.01.24	ar (Lab Representative)	of Shiva Test House
d Sampling Location			Ramco Bihiya	
e] Method of Sampling			Part-1,2,3 & 7)	
f) Sampling Environmental Condition		Temp. (°C)		(%) 73
g] Details of Sample Container (No. & Ty	pe of Containe		Glass Impinger	
h] Instrument ID	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	STH/Equip	NAME AND ADDRESS OF TAXABLE PARTY.	
i) Sample Quantity		60 ml		
j] Sample Code		ST-8884		
k] Sample Condition on Receipt		Fit for Anal	ysis	
Il Items required to be tested		As per con	Control Mark Control C	
[m] Whether any specific Method of Te suggested by the customer		No		
[n] Date of receiving the sample in La	boratory	25.01.24		
[o] Analysis Start Date / Analysis Con		25.01.24/3		
Parameters	Unit	Method of Test	Resu	AND DESCRIPTION OF THE PARTY OF
Stack Connected to			Fibre Dust	Collector
2. Stack No.			11	
Height of Stack (as reported)	Meter		26.	
	A A - A		0.5	3
	Meter		11-1	
5. Draft			Natu	
5. Draft 6. Material of Construction			M.S	5.
5. Draft 6. Material of Construction 7. Ambient Temperature	 °C		M.S 21.	S. 0
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature	0C	10 110FF (D 112)	M.S 21. 34.	5. 0 0
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	0C 0C m/sec.	IS 11255 (Part-3)	M.S 21. 34. 6.8	5. 0 0 8
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	0C 0C 0C m/sec. NM ³ /hr.	IS 11255 (Part-3)	M.S 21. 34. 6.3 525	5. 0 0 8 7.1
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	0C 0C m/sec.	IS 11255 (Part-3)	M.S 21. 34. 6.3 525' 5.0 <i>Limit as per EPA</i>	5. 0 0 8 7.1 m.
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	oC oC m/sec. NM³/hr. Meter		M.S 21. 34. 6.3 525° 5.0	5. 0 0 8 7.1
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	0C 0C 0C m/sec. NM ³ /hr.	IS 11255 (Part-3) IS 11255 (Part-1) IS 11255 (Part-2)	M.S 21. 34. 6.3 525' 5.0 Limit as per EPA Notification	S. 0 0 8 7.1 m. Concentration

SHIBESHW AR PRASAD Date: 2024.02.10

Digitally signed by SHIBESHWAR PRASAD

Verified by: Dr. Shibeshwar Prasad Technical Manager

Patna 800013

Prasad

Shreyasee Digitally signed by Shreyasee Prasad Date: 2024.02.10 11:38:10 +05'30'

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

- END OF TEST REPORT -

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TEST REPORT

Ref. No. STH/TR/23-24/8885 Dt: 10.0	02.2024			ANUAL/RIL/BIH	Dt: 11.06.202
[a] Name and address of the Custor	mer			DUSTRIES LTD. 1, BIADA Indust 802 152	
[b] Details of Sample				of Stack Emission	
[c] Sample Collected by			By Vinay Kum House on 24.0	ar (Lab Representati 1.24	ve) of Shiva Test
[d] Sampling Location			Premises (of Ramco Bihiya	
[e] Method of Sampling			S 11255 (F	Part-1,2,3 & 7)	
f Sampling Environmental Condition	on		Temp. (°C)		ity (%) 73
[g] Details of Sample Container (No. &				Glass Impinger	
h] Instrument ID			STH/Equip	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM	
i] Sample Quantity			60 ml		
j] Sample Code			ST-8885		
[k] Sample Condition on Receipt			Fit for Anal	vsis	
Il Items required to be tested			As per conf		
[m] Whether any specific Method of suggested by the customer			No		
[n] Date of receiving the sample in l	aboratory		25.01.24		
[o] Analysis Start Date / Analysis Co		е	25.01.24 / 3		
Parameters	Unit		d of Test		esults
Stack Connected to				Pul	veriser
2. Stack No.					III
 Height of Stack (as reported) 	Meter				4.2 m.
Dia. of Stack at Top (as reported)	Meter				.2 m.
5. Draft					atural
6. Material of Construction					M.S.
7. Ambient Temperature	°C	1			21.0
8. Flue Gas Temperature	°C	15.11.5			36.0
9. Velocity	m/sec.	IS 1125	5 (Part-3)		6.8
10. Volumetric Flow Rate	NM³/hr.				739.3
11. Sampling Point	Meter				.0 M.
				Limit as per EPA Notification	Concentration
12. Particulate Matter (P.M.)	mg / NM³	IS 1125	5 (Part-1)	2.0	2.0
13. Sulphur Dioxide (SO ₂)	mg / NM³	IS 1125	5 (Part-2)		Not detectable
10. Guipital Dioxido (GG2)					

AR PRASAD Date: 2024.02.10

SHIBESHW Digitally signed by SHIBESHWAR PRASAD

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee

Dioitally signed by Shrevanes Prasan Date: 2024,02.10 11:38:23 +05'30' Prasad

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

END OF TEST REPORT

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TEST REPORT

[a] Name and address of the Custom			OUSTRIES LTD. , BIADA Industrial	Area
[b] Details of Sample		Monitoring of	f Stack Emission	
[c] Sample Collected by		By Vinay Kuma on 24.01.24	r (Lab Representative) o	of Shiva Test House
[d] Sampling Location			Ramco Bihiya	
[e] Method of Sampling		IS 11255 (P	art-1,2,3 & 7)	
ff Sampling Environmental Condition	n	Temp. (°C)	21 Humidity	(%) 73
[g] Details of Sample Container (No.	& Type of Contain	er) Thimble & G	Blass Impinger	
[h] Instrument ID		STH/Equip/s	52	
[i] Sample Quantity		60 ml		
[j] Sample Code		ST-8886		
[k] Sample Condition on Receipt		Fit for Analy	sis	
[I] Items required to be tested		As per contr	ract	
[m] Whether any specific Method of a suggested by the customer		No 25.01.24		
[n] Date of receiving the sample in L	mulation Data	25.01.24/30	01 24	
[o] Analysis Start Date / Analysis Co	Unit	Method of Test	Resi	ults
7 41 4111 - 1	- Oint	method or root	Cement / Fly	Ash Circuit
Stack Connected to Stack No.			I\	
Height of Stack (as reported)	Meter		26	.2
Dia. of Stack at Top (as reported)	Meter		0.4	15
5. Draft			Nati	ural
6. Material of Construction			M.	S.
7. Ambient Temperature	°C		21	.0
8. Flue Gas Temperature	°C		37	.0
9. Velocity	m/sec.	IS 11255 (Part-3)	7.	0
10. Volumetric Flow Rate	NM³/hr.		387	3.2
11. Sampling Point	Meter		10.0) M.
Th. Jumping Form			Limit as per EPA Notification	Concentration
12. Particulate Matter (P.M.)	mg / NM³	IS 11255 (Part-1)	100	12.7
13. Sulphur Dioxide (SO ₂)	mg / NM³	IS 11255 (Part-2)		Not detectable
14. Oxides of Nitrogen (NOx)	mg / NM³	IS 11255 (Part-7)		Not detectable

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2024.02.10

Verified by: Dr. Shibeshwar Prasad Technical Manager



Prasad

Shreyasee Digitally signed by Shreyasee Prasad Date: 2024.02.10

11:38:37 +05'30' Authorized Signatory

Dr. (Mrs.) Shreyasee Prasad Quality Manager

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TEST REPORT

Ref. No. STH/TR/23-24/8887 Dr: 10.02.2 [a] Name and address of the Customer	024	Tour wa	Plot No. A	ANUAL/RIL/BIH DUSTRIES LTD. I, BIADA Industrial A	Dt: 11.06.2023
			Bihiya	00 450	
[b] Details of Sample			Bhojpur – 8	f Stack Emission	
••				rack Emission par (Lab Representative)	of China Toot House
[c] Sample Collected by			on 24.01.24	ar (Lab Nepresentative)	or Shiva rest mous
[d] Sampling Location			THE RESERVE OF THE PARTY OF THE	Ramco Bihiya	
[e] Method of Sampling				art-1,2,3 & 7)	No. of the last of
[f] Sampling Environmental Condition			Temp. (°C)	21 Humidity	(%) 73
[g] Details of Sample Container (No. & T	ype of Contain	ner)	Thimble & G	lass Impinger	
[h] Instrument ID			STH/Equip/		
[i] Sample Quantity			60 ml		
[j] Sample Code			ST-8887		
[k] Sample Condition on Receipt			Fit for Analy		
[I] Items required to be tested			As per contr	act	
[m] Whether any specific Method of Test by the customer		gested	No		
[n] Date of receiving the sample in Labor			25.01.24		
[o] Analysis Start Date / Analysis Comple	7		25.01.24/3		
Parameters	Unit	Meth	od of Test	Resu	ılts
Stack Connected to				DG Set 10	10 KVA
Stack No.				V	
Height of Stack (as reported)	Meter			9.0	m.
4. Dia. of Stack at Top (as reported)	Meter	1		0.15	m.
5. Draft				Natu	ıral
6. Material of Construction				M.S	3.
o. material of constitution	+	1		21.	
	°C			/ 1	()
7. Ambient Temperature	°C				
7. Ambient Temperature 8. Flue Gas Temperature	°C	IS 112	255 (Part-3)	151	.0
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	°C m/sec.	IS 112	255 (Part-3)	151 8.3	.0
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C m/sec. NM³/hr.	IS 112	255 (Part-3)	151 8.3 372	.0
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C m/sec.	IS 112	255 (Part-3)	151 8.3 372 3.5 Limit as per EPA	.0
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	°C m/sec. NM³/hr. Meter			151 8.3 372 3.5 Limit as per EPA Notification	.0 3 .3 m. Concentration
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	°C m/sec. NM³/hr.	IS 112	255 (Part-3) 255 (Part-1) 255 (Part-2)	151 8.3 372 3.5 Limit as per EPA	.0 3 3 m.

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2024.02.10 11:35:13 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Digitally signed by Shreyasee Prasad Date: 2024.02.10 11:38:49 +05'30' Authorized Signatory

Dr. (Mrs.) Shreyasee Prasad Quality Manager

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TEST REPORT

nej	o. STH/TR/23-24/7495 Dt: 2			Order No. MAN		i: 11.06.202
[a] Na	ame and address of the Custome	r		RAMCO INDUS Plot No. A 1, B Bihiya Bhojpur – 802	IADA Industrial Area	a
b] De	etails of Sample			Borewell Water	Sample	1)-3/10-23-30-10
-	ample Collected by			House on 12.12.2	Access to the second se	Shiva Test
[d] Sa	ampling Location			Collected from Bo	orewell Near Godown	
[e] M	ethod of Sampling			IS: 3025, APHA		
	ampling Environmental Condition			Temp (°C)	25 Humidity	(%) 73
[g] De	etails of Sample Container (No. 8	Type of (Container)	Plastic Bottle (0	2)	
	ample Quantity			2 Liters		
	ample Code			BW-7495		
	ample Condition on Receipt			Fit for analysis		
[k] Ite	ems required to be tested			As per contract		
	hether any specific Method of Te the customer	st has be	en suggested	No		
[m] D	ate of receiving the sample in Lal	ooratory		13.12.23		
[n] A	nalysis Start Date / Analysis Com	pletion Da	ate	13.12.23 / 18.1	2.23	
				Limit as p	er IS 10500: 2012	
S.N.	Parameters	Unit	Method of Test	Limit (mg/l.) Acceptable	Permissible Limit in the absence of alternative source	Results
1	Colour	Hazen	IS 3025 (Part-4)	5	15	< 5.00
2	Odour		IS 3025 (Part-5)	Agreeable	Agreeable	Agreeable
3	Taste		IS 3025 (Part-7))	Agreeable	Agreeable	Agreeable
4	pH at 25° C		IS 3025 (Part-11)	6.5	8.5	7.39
5	Turbidity on NTU	NTU	IS 3025 (Part-10)	1.0	5.0	0.85
			in come (i mit i m)	710		
6	Total Dissolved Solids (TDS)	mg/l.	IS 3025 (Part-16)	500.0	2000.0	210.0
	Total Dissolved Solids (TDS) Total Hardness as CaCO ₃	-		The second secon	2000.0 600.0	210.0 126.0
7	Total Hardness as CaCO ₃	mg/l.	IS 3025 (Part-16)	500.0	The second secon	
7	Total Hardness as CaCO ₃ Calcium as Ca	-	IS 3025 (Part-16) IS 3025 (Part-21)	500.0 200.0	600.0	126.0
7 8 9	Total Hardness as CaCO ₃	mg/l. mg/l.	IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40)	500.0 200.0 75.0	600.0 200.0	126.0 29.60
7 8 9	Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe	mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46)	500.0 200.0 75.0 30.0	600.0 200.0 100.0	126.0 29.60 12.60
7 8 9 10 11	Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine	mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-453)	500.0 200.0 75.0 30.0 1.0 0.2	600.0 200.0 100.0 No relaxation	126.0 29.60 12.60 0.17
7 8 9 10 11	Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃	mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-53)	500.0 200.0 75.0 30.0 1.0 0.2 200.0	600.0 200.0 100.0 No relaxation 1.0	126.0 29.60 12.60 0.17 <0.1
13	Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃ Chloride as Cl	mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-26) IS 3025 (Part-23)	500.0 200.0 75.0 30.0 1.0 0.2 200.0 250.0	600.0 200.0 100.0 No relaxation 1.0 600.00	126.0 29.60 12.60 0.17 <0.1 178.0
7 8 9 10 11	Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃	mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-26) IS 3025 (Part-23) IS 3025 (Part-23) IS 3025 (Part-32)	500.0 200.0 75.0 30.0 1.0 0.2 200.0 250.0 200.0	600.0 200.0 100.0 No relaxation 1.0 600.00	126.0 29.60 12.60 0.17 <0.1 178.0 16.0

Digitally signed by SHIBESHWAR PRASAD SHIBESHW AR PRASAD Date: 2023.12.20
14:15:28 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.12.20 14:19:32 +05'30'

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

- END OF TEST REPORT

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sthpatnal @vahoo.co.in : info@shivatest.com Mob.: +918676886249; +919431047908 Email:

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TEST REPORT

s of Sample le Collected by ling Location od of Sampling ling Environment to Type of Contain	al Condition		Drinking Water S By Ashish Kumar (L 12.12.23 Collected from Bor IS 1622	Lab Representa	ative) of Shiva Test	House on
ling Location od of Sampling ling Environment	al Condition		12.12.23 Collected from Bor			House on
od of Sampling ling Environment	tal Condition			rewell Near Go	down	
ling Environment	tal Condition		IS 1622		THE RESERVE THE PARTY OF THE PA	
	tal Condition					
Type of Contain		1	Temp (0c)	25	Humidity (%)	73
	ier		One Sterilized G	lass Bottle		
le Quantity			250 ml			
le Code			DW-7495		•	
le Condition on F	Receipt		Fit for analysis			
required to be te	sted		As per contract			
		est has been	No			
		boratory	13.12.23			
sis Start Date / A	nalysis Com	npletion Date	13.12.23 / 14.12	.23		
Parameters	Unit	Method of Test			Results	5
Total Coliform	/ 100 ml	IS 15185: 2016*	Shall not be detecta	able in 100 ml.	Not Detected /	100 ml
E. coli	/ 100 ml	IS 15185: 2016*	Shall not be detecta	able in 100 ml.	Not Detected	100 ml
le l	e Code e Condition on F required to be te er any specific N sted by the custo f receiving the s sis Start Date / A Parameters Total Coliform E. coli (Water Quality —	e Code e Condition on Receipt required to be tested er any specific Method of Tosted by the customer of receiving the sample in Lassis Start Date / Analysis Con Parameters Unit Total Coliform / 100 ml E. coli / 100 ml (Water Quality – Detection a	e Code e Condition on Receipt required to be tested er any specific Method of Test has been sted by the customer of receiving the sample in Laboratory sis Start Date / Analysis Completion Date Parameters Unit Method of Test Total Coliform / 100 ml IS 15185: 2016* E. coli / 100 ml IS 15185: 2016* (Water Quality – Detection and Enumeration of Is)	e Code e Condition on Receipt required to be tested er any specific Method of Test has been sted by the customer of receiving the sample in Laboratory sis Start Date / Analysis Completion Date Parameters Unit Method of Test Limit as per 12 2012 Total Coliform / 100 ml IS 15185: 2016* Shall not be detected.	e Code e Condition on Receipt required to be tested er any specific Method of Test has been sted by the customer of receiving the sample in Laboratory sis Start Date / Analysis Completion Date Parameters Unit Method of Test Limit as per IS 10500: 2012 Total Coliform / 100 ml IS 15185: 2016* Shall not be detectable in 100 ml. E. coli / 100 ml IS 15185: 2016* Shall not be detectable in 100 ml. (Water Quality – Detection and Enumeration of Escherichia coli and Coliform Bar	e Code e Condition on Receipt Fit for analysis required to be tested er any specific Method of Test has been sted by the customer of receiving the sample in Laboratory fis Start Date / Analysis Completion Date Parameters Unit Method of Test Limit as per IS 10500: 2012 Results Total Coliform / 100 ml IS 15185: 2016* Shall not be detectable in 100 ml. Not Detected / Water Quality – Detection and Enumeration of Escherichia coli and Coliform Bacteria – Membrane



Authorized Signatory Mr. Vishal Sharma Deputy Quality Manager (DQM)

- END OF TEST REPORT

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TEST REPORT

				RAMCO INDI	JSTRIES LTD.	Dr: 11.06.2
100	Name and address of the Custome	r			BIADA Industrial Ar	ea
[b] I	Details of Sample			Drinking Wate	r Sample	
[c] :	Sample Collected by			By Ashish Kuma	r (Lab Representative)	of Shiva Tes
[d] S	Sampling Location			House on 12.12.	Canteen Aquaguaro	
	Method of Sampling			IS: 3025, APH	A Canteen Aquaguard	1
[f] S	Sampling Environmental Condition			Temp (°C)		(01)
[g] [Details of Sample Container (No. &	Type of Co	ntainer)	Plastic Bottle (7 (%) 7
[h] 8	Sample Quantity	71 - 5. 50		2 Liters	02)	
	Sample Code			DW-7496		
	Sample Condition on Receipt			Fit for analysis		
[k] I	tems required to be tested			As per contrac	•	
[I] V ti	Whether any specific Method of Tes he customer	t has been	suggested by	No		
[m] [Date of receiving the sample in Labo	oratory		13.12.23		
[n] A	Analysis Start Date / Analysis Comp	letion Date		13.12.23 / 18.1	12.23	
					er IS 10500: 2012	
S.N.	Parameters	Unit	Method of Test	Limit (mg/l.)	Permissible Limit	
				Acceptable	in the absence of	Results
	Colour	Hazen	IS 3025 (Part-4)		in the absence of alternative source	
2	Odour	Hazen	IS 3025 (Part-4) IS 3025 (Part-5)	Acceptable 5	alternative source	< 5.00
2	Odour Taste	Hazen	The second secon	Acceptable	15 Agreeable	< 5.00 Agreeable
3	Odour Taste pH at 25° C		IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11)	Acceptable 5 Agreeable	alternative source	< 5.00 Agreeable Agreeable
2 3 4 5	Odour Taste pH at 25° C Turbidity on NTU		IS 3025 (Part-5) IS 3025 (Part-7))	5 Agreeable Agreeable	15 Agreeable Agreeable	< 5.00 Agreeable Agreeable 7.16
2 3 4 5 6	Odour Taste pH at 25° C Turbidity on NTU Total Dissolved Solids (TDS)		IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16)	5 Agreeable Agreeable 6.5	15 Agreeable Agreeable 8.5	< 5.00 Agreeable Agreeable 7.16 0.64
2 3 4 5 6 7	Odour Taste pH at 25° C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃	NTU	IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10)	5 Agreeable Agreeable 6.5 1.0	Agreeable Agreeable 8.5 5.0	< 5.00 Agreeable Agreeable 7.16 0.64 52.0
2 3 4 5 6 7	Odour Taste pH at 25° C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca	NTU mg/l.	IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16)	5 Agreeable Agreeable 6.5 1.0 500.0	Agreeable Agreeable 8.5 5.0 2000.0	< 5.00 Agreeable Agreeable 7.16 0.64 52.0 28.0
2 3 4 5 6 7 8	Odour Taste pH at 25° C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg	NTU mg/l.	IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-40) IS 3025 (Part-46)	5 Agreeable Agreeable 6.5 1.0 500.0 200.0	Agreeable Agreeable 8.5 5.0 2000.0 600.0	< 5.00 Agreeable Agreeable 7.16 0.64 52.0 28.0 8.0
2 3 4 5 6 7 3 9	Odour Taste pH at 25° C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe	NTU mg/l. mg/l.	IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-46) IS 3025 (Part-53)	5 Agreeable Agreeable 6.5 1.0 500.0 200.0 75.0	alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0	< 5.00 Agreeable Agreeable 7.16 0.64 52.0 28.0 8.0 1.9
2 3 4 5 6 7 3 9	Odour Taste pH at 25° C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine	NTU mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-40) IS 3025 (Part-46)	5 Agreeable Agreeable 6.5 1.0 500.0 200.0 75.0 30.0	alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0 100.0	< 5.00 Agreeable Agreeable 7.16 0.64 52.0 28.0 8.0 1.9 0.08
2 3 4 5 6 7 8 9 10	Odour Taste pH at 25° C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃	NTU mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-46) IS 3025 (Part-53)	5 Agreeable Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0	alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation	< 5.00 Agreeable Agreeable 7.16 0.64 52.0 28.0 8.0 1.9 0.08 <0.1
2 3 4 5 6 7 7 8 9 110 111 112	Odour Taste pH at 25° C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃ Chloride as CI	NTU mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-26)	Acceptable 5 Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0 0.2	alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation	< 5.00 Agreeable Agreeable 7.16 0.64 52.0 28.0 8.0 1.9 0.08 <0.1 22.0
2 3 4 5 6 7 8 9 10 11 12 13	Odour Taste pH at 25° C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃ Chloride as CI Sulphate as SO ₄	mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-16) IS 3025 (Part-40) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-26) IS 3025 (Part-23)	Acceptable 5 Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0 0.2 200.0	alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation 1 600.00	< 5.00 Agreeable Agreeable 7.16 0.64 52.0 28.0 8.0 1.9 0.08 <0.1 22.0 9.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Odour Taste pH at 25° C Turbidity on NTU Total Dissolved Solids (TDS) Total Hardness as CaCO ₃ Calcium as Ca Magnesium as Mg Iron as Fe Residual Free Chlorine Total Alkalinity as CaCO ₃ Chloride as CI	mg/l.	IS 3025 (Part-5) IS 3025 (Part-7)) IS 3025 (Part-11) IS 3025 (Part-10) IS 3025 (Part-10) IS 3025 (Part-16) IS 3025 (Part-21) IS 3025 (Part-40) IS 3025 (Part-46) IS 3025 (Part-53) IS 3025 (Part-26) IS 3025 (Part-23) IS 3025 (Part-32)	Acceptable 5 Agreeable 6.5 1.0 500.0 200.0 75.0 30.0 1.0 0.2 200.0 250.0	alternative source 15 Agreeable Agreeable 8.5 5.0 2000.0 600.0 200.0 100.0 No relaxation 1 600.00 1000.00	< 5.00 Agreeable Agreeable 7.16 0.64 52.0 28.0 8.0 1.9 0.08 <0.1 22.0

AR PRASAD Date: 2023.12.20 14:15:57 +05'30'

SHIBESHW Digitally signed by SHIBESHWAR PRASAD

Verified by: Dr. Shibeshwar Prasad Technical Manager



END OF TEST REPORT

Shreyasee Prasad

Digitally signed by Shreyasee Presad Date: 2023.12.20 14:19:54 +05'30'

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

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TEST REPORT

	STH/TR/23-24/749		er		RAMCO INDUS Plot No. A 1, Bl. Bihiya Bhojpur – 802 1	TRIES LTD. ADA Indust		
[b] Deta	ails of Sample				Drinking Water	Sample		
[c] Sam	ple Collected by				By Ashish Kumar (12.12.23	Lab Represer	tative) of Shiva Test	House or
[d] Sam	pling Location				Collected from C	anteen Aqu	aguard	
[e] Met	nod of Sampling				IS 1622			
[f] Sam	pling Environmen	tal Condition	1		Temp (°c)	25	Humidity (%)	73
[g] No.	& Type of Contain	ner			One Sterilized G	lass Bottle		
	ple Quantity				250 ml			
[i] Sam	ple Code				DW-7496		•	
[j] Sam	ple Condition on F	Receipt			Fit for analysis			
[k] Item	s required to be to	ested			As per contract			
	ether any specific I		est has been		No			
	e of receiving the s		boratory		13.12.23			
[n] Ana	lysis Start Date / A	Analysis Con	npletion Date		13.12.23 / 14.12	.23		
S.N.	Parameters	Unit	Method of To	est	Limit as per IS 2012	\$ 10500:	Results	3
1	Total Coliform	/ 100 ml	IS 15185: 201	16*	Shall not be detect	able in 100	Not Detected /	100 ml
2	E. coli	/ 100 ml	IS 15185: 201	16*	Shall not be detect ml.	able in 100	Not Detected /	100 ml
N.B.*		- Detection a	nd Enumeration	n of E	Escherichia coli an	d Coliform B	acteria – Membrar	ne Filtra



Authorized Signatory Mr. Vishal Sharma Deputy Quality Manager (DQM)

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TEST REPORT

[a] N	lame and address of the Custome	er		Plot No. A Bihiya Bhojpur -		al Area
b) [Details of Sample			Effluent Sa	mple	
-	Sample Collected by			By Ashish M	(umar (Lab Representa	itive) of Shiva Test
	Sampling Location				rom Final Discharge F	Point
	Method of Sampling			IS 3025, A	APHA	
7 5	Sampling Environmental Condition	1		Temp (°C		nidity (%) 73
9] [Details of Sample Container (No.	& Type of Conta	ainer)	Plastic Bo	ttle (02)	
	Sample Quantity			2 Litres		
	Sample Code			E-7497		
	Sample Condition on Receipt			Fit for ana		
kl l	tems required to be tested			As per co	ntract.	
1	Whether any specific Method of Toy the customer		uggested	No		
m1	Date of receiving the sample in La	horatory				
111	Date of receiving the sample in	boratory		13.12.23	/40 40 00	
[n]	Analysis Start Date / Analysis Cor	npletion Date		13.12.23	/ 18.12.23	
n] .	Analysis Start Date / Analysis Cor Parameters	npletion Date Unit	M		/ 18.12.23 Limit as per E (P) Rules Schedule VI	Result
[n] S. N.	Analysis Start Date / Analysis Cor	npletion Date		13.12.23 ethod of	Limit as per E (P)	Result 8.23
[n] . S. N.	Analysis Start Date / Analysis Cor Parameters	Unit	IS 3025	13.12.23 ethod of Test	Limit as per E (P) Rules Schedule VI	
[n] . S. N. 1	Analysis Start Date / Analysis Cor Parameters pH at 25° C	Unit	IS 3025	13.12.23 ethod of Test (Part-11)	Limit as per E (P) Rules Schedule VI 5.5 to 9.0	8.23
[n] S. N. 1 2	Analysis Start Date / Analysis Cor Parameters pH at 25° C Suspended Solids	Unit mg/l.	IS 3025 IS 3025 IS 3025	13.12.23 ethod of Test (Part-11) (Part-17)	Limit as per E (P) Rules Schedule VI 5.5 to 9.0 100.0	8.23 47.0
[n] S. N. 1 2 3 4 5	Parameters pH at 25° C Suspended Solids Oil & Grease	Unit mg/l. mg/l.	IS 3025 IS 3025 IS 3025	13.12.23 ethod of Test (Part-11) (Part-17) (Part-39)	Limit as per E (P) Rules Schedule VI 5.5 to 9.0 100.0 10.0	8.23 47.0 1.20
[n] . S. N 1 2 3 4	Parameters pH at 25° C Suspended Solids Oil & Grease B.O.D. (3 days at 27°C)	unit mg/l. mg/l. mg/l.	IS 3025 IS 3025 IS 3025 IS 3025 APHA	13.12.23 ethod of Test (Part-11) (Part-17) (Part-39) (Part-44)	Limit as per E (P) Rules Schedule VI 5.5 to 9.0 100.0 10.0 30.0	8.23 47.0 1.20 23.0
[n]	Analysis Start Date / Analysis Cor Parameters pH at 25° C Suspended Solids Oil & Grease B.O.D. (3 days at 27°C) C.O.D.	mpletion Date Unit mg/l. mg/l. mg/l. mg/l.	IS 3025 IS 3025 IS 3025 IS 3025 APHA APHA (13.12.23 ethod of Test (Part-11) 6(Part-17) (Part-39) (Part-44) 5220 B	Limit as per E (P) Rules Schedule VI 5.5 to 9.0 100.0 10.0 30.0 250.0	8.23 47.0 1.20 23.0 128.0
[n] , S. N. 1 2 3	Parameters pH at 25° C Suspended Solids Oil & Grease B.O.D. (3 days at 27°C) C.O.D. Dissolved Phosphate as P	mpletion Date Unit mg/l. mg/l. mg/l. mg/l. mg/l.	IS 3025 IS 3025 IS 3025 APHA APHA 4	13.12.23 ethod of Test (Part-11) (Part-17) (Part-39) (Part-44) . 5220 B 4500-P-D)	Limit as per E (P) Rules Schedule VI 5.5 to 9.0 100.0 10.0 30.0 250.0 5.0	8.23 47.0 1.20 23.0 128.0 1.10

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.12.20 14:16:08 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.12.20 14:20:06 +05'30'

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

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TEST REPORT

[a] Name and address of the Customer					RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya				
[b]	Details of Sample				Bhojpur – 802 152 Monitoring of Ambient Air Quality				
					By Ashish Kumar (Lab Representative) of Shiva Test House				
[c]	Sample Collected by				on 12.12.23				
d]	Sampling Location				Premises of Ramco Bihiya				
e]					IS 5182 (Part - 14)				
ŋ	Sampling Environmental Condition				Temp. (°C) 25 Humidity (%) 73				
9]					Filter Paper; Glass Impinger				
e]	e] Instrument ID				STH/Equip/26, STH/Equip/113, STH/Equip/27, STH/Equip/114, STH/Equip/54, STH/Equip/115, STH/Equip/55, STH/Equip/116				
h]	Sample Quantity				30 ml x 24 (for each NO ₂ , SO ₂)				
Ŋ	Sample Condition on Receipt				Fit for Analysis				
1	Items required to be tested				As per contract				
1	Whether any specific Method of Test has been suggested by the customer				No				
k] Date of receiving the sample in Laboratory					13.12.23				
1]				13.12.23 / 18.12.23					
·J_	Allalysis Olar Code / Al	nalysis Start Date / Analysis Completion Date				Sampling Station / Results			
	Parameters	Unit	Method of Test	NAAQS Nov.'2009	Near Office (SC-A-7498)	Near Rear Gate (SC-A-7499)	Near Stripping Area (SC-A-7500)	Near Laborator (SC-A-750	
	Particulate Matter (PM ₁₀)	μg / m³	IS 5182 (Part-23)	100	88.7	70.3	71.4	74.7	
1.					69.3	65.4	68.7	63.7	
					76.4	64.5	66.5	69.4	
	Particulate Matter (PM _{2.5})	μg / m³	IS 5182 (Part-24)	60	47.7	44.3	48.2	45.0	
2.					35.1	32.9	32.9	31.3	
					45.2	39.2	43.1	41.3	
	Sulphur Dioxide as SO ₂ μg	μg / m³	IS 5182 (Part-2)	80	27.7	22.1	26.4	27.3	
					24.2	20.6	22.9	11.7	
1.					11.9	17.1	9.8	10.7	
					10.9	19.1	15.6	17.6	
					24.7	21.1	28.3	30.3	
		-	-		39.6	40.4	40.5	41.8	
			IS 5182 (Part-6)	80	37.0	38.4	40.5	37.3	
					26.2	24.6	29.9	31.9	
		100 000			23.5	26.0	25.2	26.5	
	Nitrogen Dioxide as NO ₂	μg / m ³	(Part-6)	0.000				-	
	Nitrogen Dioxide as NO ₂		(Part-6)	0.000	38.3	30.8	37.2	31.9	
١.	Nitrogen Dioxide as NO ₂	μg / m ³	(Part-6)	0.00		30.8 39.0	37.2 41.8	31.9 43.1	
			(Part-6)		38.3	20.0			
	Nitrogen Dioxide as NO ₂ erage Value PM ₂₀		(Part-6)		38.3	20.0			
	erage Value PM ₁₀		(Part-6)		38.3 40.3	39.0	41.8	43.1	
	erage Value		(Part-6)		38.3 40.3 78.1	39.0	68.9	43.1 69.3	

SHIBESHW AR PRASAD Date: 2023.12.20 14:16:19 +05'30'

Digitally signed by SHIBESHWAR PRASAD

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.12.20 14:20:17 +05'30'

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

- END OF TEST REPORT

This report applies only to sample tested as above.

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Contact us:

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

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TEST REPORT

Dof	No. STH/TR/23-24/7498-	7501(A) Dt: 20.1	12.2023	Your	. Work	Order No. M	IANUAL/RIL/E	BIH Di:	11.06.2023
	Name and address of th		FS		Plot Bihing Bho	No. A 1, B ya ipur – 802	STRIES LTD SIADA Indus	trial Area	
[b]	Details of Sample				Moni	toring of Am	bient Air Qual (Lab Represent	ative) of Shiva	Test House
[c]	Sample Collected by				on 12	.12.23			
[d]	Sampling Location				Premi	ises of Ramco	Bihiya		
[e]	Method of Sampling					82 (Part - 14	25	Humidity (%)	73
[f]	Compling Environments	I Condition			Temp). (°C)	-	Humany (70)	1,0
[g]	Details of Sample Cont	ainer (No. & Type of Co	ntainer)	-	Filter	Paper ; Glas	sh NO- SO-		
[h]	Sample Quantity						ch NO ₂ , SO ₂)		
[i]	thems required to he tes	sted			As pe	er contract			
[0]	Whether any specific M	lethod of Test has been	suggested	by	No				
n.1	Date of receiving the sa	ample in Laboratory				2.23		•	
[k]	Analysis Start Date / A	nalysis Completion Date	9		13.1	2.23 / 18.12			
[1]	Analysis Start Date 77	Total Company		Limit a			Sar	mpling Station	
	Parameters	Method of Test	Unit	per EP Notifica on	A ati	Near Office (SC-A-7498)	Near Rear Gate (SC-A-7499)	Near Stripping Area (SC-A-7500)	Near Laboratory (SC-A-7501
		IS 5182 (Part-22)	μg / m ³	1	+	0.07	0.08	0.08	0.07
1.	Lead (Pb)			400	+	11.1	15.4	10.7	13.0
2.	Ammonia as NH ₃	IS 5182 (Part-25)	μg / m ³	100	-		50.2	47.8	50.5
3.	Ozone (O ₃)	IS 5182 (Part-9)	μg / m ³	180		43.5	30.2	11.10	

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.12.20

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.12.20 14:20:29 +05'30'

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

END OF TEST REPORT -

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TEST REPORT

Ref.	No. STH/TR/23-24/7498-7	7501(B) Dr. 20	0.12.2023	You	ur Work Order No.	MANUAL/RIL	/BIH D	1: 11.06.2023
[a]	Name and address of the	Customer			RAMCO INDU Plot No. A 1, Bihiya Bhojpur – 802	BIADA Indu		
[b]	Details of Sample				Moniforing of A	mbient Air Qua	ality	
[c]	Sample Collected by				By Ashish Kumar on 12.12.23	(Lab Represer	ntative) of Shive	Test House
[d]	Sampling Location				Premises of Ramce	o Bihiya		
[e]	Method of Sampling				IS 5182 (Part - 14	4)		
[f]	Sampling Environmental	Condition			Temp. (°C)	25	Humidity (%)	73
gl	Details of Sample Contai		ontainer)		Filter Paper; Gla			
[h]	Sample Quantity				30 ml x 24 (for ea	ch NO ₂ , SO ₂)		
[1]	Items required to be teste	ed			As per contract	0.0000000000000000000000000000000000000		
01	Whether any specific Mer the customer	thod of Test has been	n suggester	d by	No			
[k]	Date of receiving the san	nple in Laboratory			13.12.23			
[1]	Analysis Start Date / Ana		е		13.12.23 / 18.1	2.23		
				Limit a	6	Sa	mpling Station	
	Parameters	Method of Test	Unit	per EP Notifica on	A	Near Rear Gate (SC-A-7499)	Near Stripping Area (SC-A-7500)	Near Laboratory (SC-A-7501
1.	Carbon Monoxide (CO)	IS 5182 (Part-10)	mg / m ³	4	0.37	0.34	0.28	0.19
2.	Benzene (C ₆ H ₆)	IS 5182 (Part-11)	μg / m ³	5	0.16	0.15	0.13	0.14
3.	Arsenic (As)	USEPA Method- 108	ng / m ³	6	0.26	0.15	0.14	0.13
4.	Nickel as Ni	IS 5182 (Part-26)	ng / m ³	20	<20.0	<20.0	<20.0	<20.0

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.12.20
14:16:41 +05'30'

Benzo (a) Pyrene,

(Particulate Phase only)

Verified by: Dr. Shibeshwar Prasad Technical Manager



ng / m³

1.0

0.15

Prasad

0.14

Shreyasee Digitally signed by Shreyasee Prasad Date: 2023.12.20 14:27:55 +05'30'

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

0.15

0.15

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Contact us:

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IS 5182 (Part-12)

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TEST REPORT

Ref. No. STH/TR/23-24/7502 Dt: 20.12.2	2023	Your Work ()	raer No. MI	DUSTRIES L	TD	Dt: 11.06.	
a] Name and address of the Customer		PI Bi B	ot No. A hiya hojpur –	1, BIADA Ind 802 152	lustrial /	Area	
b) Details of Sample		M	onitoring o	of Stack Emissi	on	China Too	4
		By	Ashish Kun ouse on 12.	nar (Lab Repres	entative) o	Shiva resi	1
[c] Sample Collected by		P	romises of	Ramco Bihiya	1		
[d] Sampling Location		19	11255 (F	Part-1,2,3 & 7)		
[a] Method of Sampling			emp. (°C)		Humidity (%) 7	73
condition Environmental Condition			himble &	Glass Imping			
[g] Details of Sample Container (No. &	Type of Conta	411101/	TH/Equip				
[h] Instrument ID		0	0 ml	702			
[i] Sample Quantity		-	T-7502				
[i] Sample Code			it for Ana	lveie			
[k] Sample Condition on Receipt			s per con				
III Home required to be tested			s per con	illact			
[m] Whether any specific Method of Tes	st has been	1	10				
suggested by the customer			3.12.23				
In Date of receiving the sample in Lab	oratory		3.12.23	19 12 23			
[o] Analysis Start Date / Analysis Comp	pletion Date	Method		10.12.23	Results		
Parameters	Unit	Method	of rest	DG	Set 750		
Stack Connected to	- 1		-		1		
2. Stack No.	Meter		t		12.9		
Height of Stack (as reported)	Meter		1		0.2		
Dia. of Stack at Top (as reported)	Meter				Natural		
5. Draft					M.S.		
Material of Construction	°C				25.0		
7. Ambient Temperature	°C				139.0		
8. Flue Gas Temperature	m/sec.	IS 11255	(Part-3)		7.70		
9. Velocity	NM³/hr.	1.0 7.1230	,		630.70		
10. Volumetric Flow Rate	Meter				3.5 M		
11. Sampling Point	IVICTO			Limit as per Notificat		Concentr	atio
	mg / NM³	IS 11255	(Part-1)	75.0		28.6	
Lo Daticulate Matter (P.M.)	my / ww	10 11200	(5 10)	Not Speci	fied	14.4	1
12. Particulate Matter (P.M.) 13. Sulphur Dioxide (SO ₂)	mg / NM³	IS 11255	(Part-2)	NOT Speci	nou .	149.	

Digitally signed by SHIBESHWAR PRASAD SHIBESHW AR PRASAD Date: 2023.12.20

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyase e Prasad

Digitally signed by Shreyasee Prasad Date: 2023.12.20 14:28:12 +05'30'

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

END OF TEST REPORT -

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TEST REPORT

Ref. No. STH/TR/23-24/7502(A) Dt: 20.12	2023	Your Work Order No.			Dr: 11.06.2023
[a] Name and address of the Customer		Plot No. Bihiya	INDUSTRIES LT A 1, BIADA Inde – 802 152		rea
[b] Details of Sample			g of Stack Emissio	m	
[c] Sample Collected by		By Ashish K House on 1	umar (Lab Represe 2.12.23		Shiva Test
[d] Sampling Location			of Ramco Bihiya		
[e] Method of Sampling			(Part-1,2,3 & 7)		
f Sampling Environmental Condition		Temp. (°C		umidity (%	73
[g] Details of Sample Container (No. & 	Type of Conta	The second secon	& Glass Impinger	r	
[h] Instrument ID		STH/Equ	ip/52		
i Sample Quantity		60 ml			
[j] Sample Code		ST-7502	a basis		
[k] Sample Condition on Receipt		Fit for An	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		
[I] Items required to be tested	t has been	As per co	ntract		
[m] Whether any specific Method of Tes suggested by the customer		No			
[n] Date of receiving the sample in Laboration		13.12.23			
[o] Analysis Start Date / Analysis Comp		13.12.23 /			
Parameters	Unit	Method of Test		Results	
Stack Connected to			DG S	Set 750 K	VA
2. Stack No.				1	
Height of Stack (as reported)	Meter			12.9	
4. Dia. of Stack at Top (as reported)	Meter			0.2	
5. Draft				Natural	
Material of Construction		2		M.S.	
7. Ambient Temperature	°C			25.0	
8. Flue Gas Temperature	°C			139.0	
9. Velocity	m/sec.	IS 11255 (Part-3)		7.70	
	NM ³ /hr.			630.7	
10. Volumetric Flow Rate				3.5 M	
101 101011011011011	Meter				
101 101011011011011	Meter		Limit as per El Notification		Concentration
10. Volumetric Flow Rate11. Sampling Point12. NMHC (as C) (at 15% O₂)	Meter mg / NM ³	CPCB	Limit as per EF Notification 100.00 mg/N	,	Concentration 25.6

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.12.20 14:17:36 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyase e Prasad

Digitally signed by Shreyasee Prasad Date: 2023.12.20 14:28:25 +05'30'

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

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TEST REPORT

	2.2023			IANUAL/RIL/E		Dt: 11.06.20
[a] Name and address of the Custom	er	P		DUSTRIES I 1, BIADA Inc		rea
[b] Details of Sample				of Stack Emiss	ion	
[c] Sample Collected by		B	y Ashish Kum	ar (Lab Repres		Shiva Test
			ouse on 12.1			
[d] Sampling Location [e] Method of Sampling				Ramco Bihiya		
	n		emp. (°C)	art-1,2,3 & 7	Annual Contract of the Contrac	() 72
					Humidity (%	6) 73
[g] Details of Sample Container (No. & T[h] Instrument ID	ype or Contain			Glass Imping	er	
	-		TH/Equip/ 0 ml	52		
			T-7503			
[j] Sample Code [k] Sample Condition on Receipt			it for Analy	reie	-	
[I] Items required to be tested			s per cont			
 [m] Whether any specific Method of T suggested by the customer [n] Date of receiving the sample in La 		N	0			
	abolatory	1 11				
[o] Analysis Start Date / Analysis Cor	npletion Date	1.	3.12.23 / 18	3.12.23		
[o] Analysis Start Date / Analysis Cor Parameters	npletion Date	Method	3.12.23 / 18 of Test	3.12.23	Results	
Parameters	THE RESERVE OF THE PARTY OF THE				Results re Dust Col	
Parameters 1. Stack Connected to	THE RESERVE OF THE PARTY OF THE					
Parameters 1. Stack Connected to 2. Stack No.	THE RESERVE OF THE PARTY OF THE				re Dust Col	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported)	Unit				re Dust Col	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported)	Unit				re Dust Col II 26.2	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft	Unit				re Dust Col II 26.2 0.53	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction	Meter Meter OC				re Dust Col II 26.2 0.53 Natural	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature	Meter Meter				re Dust Col II 26.2 0.53 Natural M.S.	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature	Meter Meter OC		of Test		ne Dust Col II 26.2 0.53 Natural M.S. 25.0 32.0 6.60	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter OC OC	Method	of Test		re Dust Col II 26.2 0.53 Natural M.S. 25.0 32.0 6.60 5101.5	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter OC OC m/sec.	Method	of Test	Fib	re Dust Col II 26.2 0.53 Natural M.S. 25.0 32.0 6.60 5101.5 5 m.	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter OC OC m/sec. NM³/hr.	Method	of Test		re Dust Col II 26.2 0.53 Natural M.S. 25.0 32.0 6.60 5101.5 5 m.	
Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	Meter Meter OC OC m/sec. NM³/hr.	Method	of Test	Fib	re Dust Col II 26.2 0.53 Natural M.S. 25.0 32.0 6.60 5101.5 5 m.	llector
Stack Connected to Stack No. Height of Stack (as reported) Dia. of Stack at Top (as reported) Draft Material of Construction Ambient Temperature Flue Gas Temperature Velocity	Meter Meter OC OC M/sec. NM³/hr. Meter	Method	(Part-3)	Fib Limit as per	re Dust Col II 26.2 0.53 Natural M.S. 25.0 32.0 6.60 5101.5 5 m.	Concentratio

Digitally signed by SHIBESHWAR PRASAD SHIBESHW AR PRASAD Date: 2023.12.20

Verified by: Dr. Shibeshwar Prasad Technical Manager



- END OF TEST REPORT -

Shreyasee Digitally signed by Shreyasee Prasad Prasad

Digitally signed by Date: 2023.12.20 14:28:39 +05'30'

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

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TEST REPORT

Ref. No. STH/TR/23-24/7504 Dt: 20.	12.2023	Your Wor	k Order No. M	IANUAL/RIL/BIH	Dt: 11.06.202
[a] Name and address of the Custor	mer			DUSTRIES LTD. 1, BIADA Industria 802 152	al Area
[b] Details of Sample			Monitoring	of Stack Emission	
[c] Sample Collected by			By Ashish Kur House on 12.	nar (Lab Representative) of Shiva Test
[d] Sampling Location				of Ramco Bihiya	
[e] Method of Sampling				Part-1,2,3 & 7)	
f] Sampling Environmental Condition	on		Temp. (°C)		(%) 73
[g] Details of Sample Container (No. &				Glass Impinger	1
h] Instrument ID	7,5-0. 00		STH/Equip		
i Sample Quantity			60 ml		
[j] Sample Code			ST-7504		
[k] Sample Code			Fit for Anal	veie .	
[I] Items required to be tested			As per con	E-market the second sec	
[m] Whether any specific Method of suggested by the customer [n] Date of receiving the sample in I	aboratory		No 13.12.23 13.12.23 / 1	9 40 22	
[o] Analysis Start Date / Analysis Con Parameters	Unit		d of Test	Resi	ulte
Stack Connected to	Onit	Wetho	d or rest	Pulve	AND DESCRIPTION OF THE PARTY OF
Stack Connected to Stack No.	-			II	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW
Height of Stack (as reported)	Meter	1		14.2	
Dia. of Stack at Top (as reported)	Meter	1		0.2	
5. Draft		1		Natu	ıral
6. Material of Construction	-			M.:	S.
7. Ambient Temperature	°C	1		25	.0
8. Flue Gas Temperature	°C			30	.0
9. Velocity	m/sec.	IS 1125	55 (Part-3)	6.	8
10. Volumetric Flow Rate	NM ³ /hr.			758	3.5
11. Sampling Point	Meter			5.0	M.
				Limit as per EPA Notification	Concentration
12. Particulate Matter (P.M.)	mg / NM³	IS 1125	55 (Part-1)	2.0	1.7
13. Sulphur Dioxide (SO ₂)	mg / NM³	IS 112	55 (Part-2)		Not detectable
14. Oxides of Nitrogen (NOx)	mg / NM³	IS 112	55 (Part-7)		Not detectable

SHIBESHW AR PRASAD Date: 2023.12.20 14:17:59 +05'30'

Digitally signed by SHIBESHWAR PRASAD

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Digitally signed by Shreyasee Prasad

Date: 2023.12.20 Prasad 14:28:52 +05'30'

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

- END OF TEST REPORT -

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TEST REPORT

rtej.	No. STH/TR/23-24/7505 Dt: 20.	12.2023	Your Work Order No. M.		Dt: 11.06.2023
[a]	Name and address of the Custome	er	The second secon	DUSTRIES LTD. 1, BIADA Industria 802 152	I Area
[b]	Details of Sample			of Stack Emission	
[c]	Sample Collected by			nar (Lab Representative)	of Shiva Test
[d]	Sampling Location		Premises of	f Ramco Bihiya	
[e]	Method of Sampling		IS 11255 (F	Part-1,2,3 & 7)	
[f]	Sampling Environmental Condition		Temp. (°C)	25 Humidit	y (%) 73
[g]	Details of Sample Container (No. 8	Type of Contain	ner) Thimble & (Glass Impinger	
[h]	Instrument ID		STH/Equip/	52	
[i]	Sample Quantity		60 ml		
[i]	Sample Code		ST-7505		
[k]	Sample Condition on Receipt		Fit for Analy	ysis '	
	Items required to be tested		As per conf	ract	
[m]	Whether any specific Method of Te suggested by the customer	est has been	No		
[n]	Date of receiving the sample in Lat	poratory	13.12.23		
[0]	Analysis Start Date / Analysis Com	pletion Date	13.12.23 / 18	8.12.23	
	Parameters	Unit	Method of Test	Res	ults
1.	Stack Connected to			Cement / Fly	Ash Circuit
2.	Stack No.			l,	V
3.	Height of Stack (as reported)	Meter		26	5.2
4.	Dia. of Stack at Top (as reported)	Meter		0.4	45
5.	Draft			Nat	ural
6.	Material of Construction			M.	S.
7.	Ambient Temperature	°C		25	0.0
8.	Flue Gas Temperature	°C		32	2.0
9.	Velocity	m/sec.	IS 11255 (Part-3)	6.	4
10.	Volumetric Flow Rate	NM ³ /hr.		359	06.9
11.	Sampling Point	Meter		10.0) M.
				Limit as per EPA Notification	Concentratio
12.	Particulate Matter (P.M.)	mg / NM³	IS 11255 (Part-1)	100	14.0
13.	Sulphur Dioxide (SO ₂)	mg / NM³	IS 11255 (Part-2)		Not detectable
-	Oxides of Nitrogen (NOx)	mg / NM³	IS 11255 (Part-7)		Not detectable

AR PRASAD Date: 2023.12.20 14:18:19 +05'30'

SHIBESHW Digitally signed by SHIBESHWAR PRASAD

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyase e Prasad

Digitally signed by Shreyasee Prasad Date: 2023.12.20 14:29:13 +05'30'

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

END OF TEST REPORT

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Contact us:

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

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TEST REPORT

[a] Name and address of the Customer				USTRIES LTD. BIADA Industrial A	rea
[b] Details of Sample			Monitoring of	Stack Emission	
[c] Sample Collected by			House on 12.1		of Shiva Test
[d] Sampling Location			Premises of R		
e] Method of Sampling			IS 11255 (Pa		1
f] Sampling Environmental Condition			Temp. (°C)	25 Humidity	(%) 73
g] Details of Sample Container (No. & T	pe of Contain	er)		lass Impinger	
h] Instrument ID			STH/Equip/5	2	
i] Sample Quantity			60 ml		
j] Sample Code			ST-7506		
[k] Sample Condition on Receipt			Fit for Analys		
[I] Items required to be tested [m] Whether any specific Method of Test			As per contra	act	
by the customer [n] Date of receiving the sample in Labor [o] Analysis Start Date / Analysis Completed	atory etion Date		13.12.23	3.12.23	
Parameters	Unit	Meth	od of Test	Resu	ilts
Stack Connected to				DG Set 10	10 KVA
2. Stack No.	1		1	V	
	Meter		1	9.01	m.
Height of Stack (as reported)	1110101			0.15	m.
Die of Stock at Ton (as reported)					****
	Meter			Natu	ral
5. Draft	-			Natu M.S	
Draft Material of Construction				M.5	3.
Draft Material of Construction Ambient Temperature	°C			M.S 25.	S. 0
Draft Material of Construction Ambient Temperature	°C			M.S 25.	S. 0 .0
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	0C 0C 0C m/sec.	IS 11	255 (Part-3)	M.S 25. 158 7.9	S. 0 .0
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature	°C	IS 11	255 (Part-3)	M.\$ 25. 158 7.9	S. 0 .0 .0
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	0C 0C 0C m/sec.	IS 11	255 (Part-3)	M.S 25. 158 7.9 346 3.5	S. 0 .0 .0
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C °C m/sec. NM³/hr.	IS 11	255 (Part-3)	M.\$ 25. 158 7.9	S. 0 .0 .0
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C °C m/sec. NM³/hr.		255 (Part-3) 255 (Part-1)	M.S 25. 158 7.9 346 3.5 Limit as per EPA	S. 0 .0 .0 9
5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	°C °C m/sec. NM³/hr. Meter	IS 11		M.S 25. 158 7.9 346 3.5 Limit as per EPA Notification	S. 0 .0 9 .9 m. Concentration

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.12.20 14:18:31 +05'30'

Contact us:

Verified by: Dr. Shibeshwar Prasad Technical Manager



Prasad

Shreyasee Digitally signed by Shreyasee Prasad Date: 2023.12.20

14:29:30 +05'30'

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

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TEST REPORT

[a] Name and address of the Customer			INDUSTRIES LTD. A 1, BIADA Industri	al Area
			- 802 152	
[b] Details of Sample			ng of Stack Emission	
[c] Sample Collected by		By Ashish House on	Kumar (Lab Representativ	e) of Shiva Test
[d] Sampling Location		A STATE OF THE PARTY OF THE PAR	of Ramco Bihiya	
[e] Method of Sampling		The second secon	5 (Part-1,2,3 & 7)	
f] Sampling Environmental Condition		Temp. (ty (%) 73
[g] Details of Sample Container (No. & T	ype of Conta	iner) Thimble	& Glass Impinger	
[h] Instrument ID		STH/Eq	uip/52	
[i] Sample Quantity		60 ml		
[j] Sample Code		ST-7506	3	
[k] Sample Condition on Receipt		Fit for A		
[I] Items required to be tested		As per o	ontract	
[m] Whether any specific Method of Test suggested by the customer	has been	No		
[n] Date of receiving the sample in Labo	ratory	13.12.23		
[o] Analysis Start Date / Analysis Compl	etion Date	13.12.23	/18.12.23	
Parameters	Unit	Method of Test	Resu	
Stack Connected to			DG Set 10	10 KVA
2. Stack No.			V	
Height of Stack (as reported)	Meter		9.0	m.
4. Dia. of Stack at Top (as reported)	Meter		0.15	m.
5. Draft			Natu	ral
6. Material of Construction			M.S	S.
7. Ambient Temperature	°C		25.	0
Flue Gas Temperature	°C		158	.0
9. Velocity	m/sec.	IS 11255 (Part-3)	7.9)
10. Volumetric Flow Rate	NM3/hr		346	
11. Sampling Point	Meter		3.5	
11. Sampling Point	Wieter		Limit as per EPA Notification	Concentration
12. NMHC (as C) (at 15% O ₂)	mg / NM³	CPCB	100.00 mg / NM ³	27.3
	-	the state of the s		

Digitally signed by SHIBESHW SHIBESHWAR PRASAD AR PRASAD Date: 2023.12.20 14:18:47 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyase

Digitally signed by Shreyasee Prasad Date: 2023.12.20 e Prasad 14:29:45 +05'30'

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

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TEST REPORT

	RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152
	Monitoring of Ambient Noise Level
	By Ashish Kumar (Lab Representative) of Shiva Test House of 12.12.23
	Monitoring of Ambient Noise Level at Ramco Bihiya
	Temp. (°C) 25 Humidity (%) 7
	N-7507
	Day time Noise Level
as been	No
tory	13.12.23
Unit	Time Weighted Average (TWA) of Noise Leve
	Day time
db(A)	65.9
db(A)	60.8
db(A)	64.9
db(A)	66.2
db(A)	68.1
	Unit db(A) db(A) db(A) db(A)

Digitally signed by SHIBESHWAR PRASAD SHIBESHW AR PRASAD Date: 2023.12.20 14:19:02 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.12.20 14:30:00 +05'30'

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

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noise standards by 10 dB(A) or more against any area/zone.

sthpatnal @vahoo.co.in ; info@shivatest.com

Website: www.shivatest.com; www.shivatesthouse.com



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TEST REPORT

[a]	Name and address of the C	Customer		Plot Bihi	ICO INDUSTF No. A 1, BIAI ya jpur – 802 152	OA Indus		
[b]	Details of Sample				itoring of Resp		ust in Work Zone	e
[c]	Sample Collected by			Hous	se on 12.12.23		sentative) of Shiva	Test
[d]	Sampling Location				nises of Ramco			
[e]	Method of Sampling				182 (Part - 14)			
[f]	Sampling Environmental Co				p (°C)	25	Humidity (%)	73
[g]	Details of Sample Containe	er (No. & Type of Conta	iner)		r Paper; Glass	s Imping	er	
[h]	Sample Quantity			04				
[]_	Items required to be tested			As p	er contract			
[i]	Whether any specific Metho the customer		ggested by	No			8	
[k]	Date of receiving the samp			13.1	2.23			
[1]	Analysis Start Date / Analysis	sis Completion Date		13.1	2.23 / 18.12.2			
S.	Sampling Point	Sample Code	Limit as NAAQS Nov.'200	5	Unit	Con	centration of Resp Dust (PM ₁₀)	pirable
			(μg/M³)			1	08 hrs.] (μg/M³)
1	Fibre Mill Area	SC_FE-281			μ g/M ³		95.3	
2	Hats check Mahine	SC_FE-282	400.0		μ g/M ³		87.2	
3	Stripping Machine	SC_FE-283	100.0		μ g/M ³		86.1	
							88.6	

Digitally signed by SHIBESHW SHIBESHWAR PRASAD AR PRASAD Date: 2023.12.20 14:19:14+05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.12.20 14:30:19 +05'30'

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

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TEST REPORT

			MANUAL/RIL/BIH INDUSTRIES LTD		.03.2022
[a] Name and address of the Customer	r	Plot No. Bihiya	A 1, BIADA Indust - 802 152		
b] Details of Sample			ng of Stack Emission		-
			Kumar (Lab Represent	ative) of Shiv	a Test
c] Sample Collected by		House on t			
d] Sampling Location			of Ramco Bihiya		
e] Method of Sampling			(Part-1,2,3 & 7)		
Sampling Environmental Condition		Temp. (0		idity (%)	73
g] Details of Sample Container (No. &	Type of Cont	ainer) Thimble	& Glass Impinger		
h] Instrument ID		STH/Equ	iip/52		
il Sample Quantity		60 ml			
j] Sample Code		ST-6388			
k] Sample Condition on Receipt		Fit for Ar	nalysis		MESS TOWN
Il Items required to be tested		As per co	ontract	15532200	
[m] Whether any specific Method of Te- suggested by the customer		No			
[n] Date of receiving the sample in Lab	oratory	07.11.23	/40 44 00		
 Date of receiving the sample in Lab Analysis Start Date / Analysis Com 	pletion Date	07.11.23	/12.11.23	eulte.	
n) Date of receiving the sample in Lab o) Analysis Start Date / Analysis Com Parameters	pletion Date Unit	The second secon	Res	sults	
n] Date of receiving the sample in Lab o] Analysis Start Date / Analysis Com Parameters 1. Stack Connected to	pletion Date	07.11.23	Res	750 KVA	
n] Date of receiving the sample in Lab o] Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No.	Unit	07.11.23	Res DG Set		
n) Date of receiving the sample in Lab o) Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported)	pletion Date	07.11.23	DG Set	750 KVA	
n) Date of receiving the sample in Lab o) Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported)	Unit Meter	07.11.23	DG Set	750 KVA I 2.9	
n] Date of receiving the sample in Lab o] Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft	Unit Meter	07.11.23	Res DG Set	750 KVA I 2.9	
n) Date of receiving the sample in Lab of Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction	Unit Meter Meter	07.11.23	DG Set	750 KVA I 2.9 0.2 tural	
n) Date of receiving the sample in Lab of Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature	Meter Meter	07.11.23	DG Set 1: 0 Na Na 3	750 KVA I 2.9 0.2 tural	
n) Date of receiving the sample in Lab of Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature	Meter Meter 0C	07.11.23	Res DG Set	750 KVA I 2.9 0.2 tural I.S.	
n) Date of receiving the sample in Lab of Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	Meter Meter OC OC	07.11.23 Method of Test	Res DG Set	750 KVA 1 2.9 0.2 tural 1.S. 0.0	
n) Date of receiving the sample in Lab of Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter OC OC m/sec.	07.11.23 Method of Test	Res DG Set	750 KVA 1 2.9 0.2 tural 1.S. 0.0	
n) Date of receiving the sample in Lab (o) Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter OC oC m/sec. NM³/hr.	07.11.23 Method of Test	Res DG Set	750 KVA 1 2.9 0.2 tural 1.S. 0.0 11.0 7.7 29.3 5 M	ntration
[n] Date of receiving the sample in Lab [o] Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	Meter Meter OC oC m/sec. NM³/hr.	07.11.23 Method of Test	Res DG Set 1: 0 Na Na 14 3 14 62 3. Limit as per EPA	750 KVA 1 2.9 0.2 tural 1.S. 0.0 41.0 7.7 29.3 5 M	ntration 5.0
[n] Date of receiving the sample in Lab [o] Analysis Start Date / Analysis Com Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	Meter Meter OC OC M/sec. NM³/hr. Meter	07.11.23 Method of Test	Res DG Set 1: 0 Na Na Na 1: 62 3. Limit as per EPA Notification	750 KVA 1 2.9 0.2 tural 1.S. 0.0 11.0 7.7 29.3 5 M Concer	

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.11.16 10:49:56 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Slireyasee Prasad Date: 2023.11.16 10:57:19 +05'30'

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

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Email:

sthpatnal@yahoo.co.in: info@shivatest.com



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TEST REPORT

Ref. No. STH/TR/23-24/6388(A) Dt: 16.1	1.2023	Your Work Order No.		Di: 04.03.2022		
[a] Name and address of the Customer	Plot No. / Bihiya	RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152				
[b] Details of Sample			of Stack Emission			
[c] Sample Collected by			Kumar (Lab Representative) of Shiva Test			
[d] Sampling Location		Premises o	f Ramco Bihiya			
[e] Method of Sampling						
f] Sampling Environmental Condition		Temp. (°C	30 Humidit	ty (%) 73		
[g] Details of Sample Container (No. & 7	ype of Conta	niner) Thimble 8	& Glass Impinger			
h] Instrument ID		STH/Equi	p/52			
ij Sample Quantity		60 ml				
Sample Code			ST-6388			
[k] Sample Condition on Receipt		Fit for Ana				
[I] Items required to be tested		As per co	ntract			
[m] Whether any specific Method of Test suggested by the customer		No				
[n] Date of receiving the sample in Labo		07.11.23				
[o] Analysis Start Date / Analysis Compl		07.11.23/				
Parameters	Unit	Method of Test				
Stack Connected to			DG Set 75	50 KVA		
2. Stack No.			1			
Height of Stack (as reported)	Meter		12.9	9		
4. Dia. of Stack at Top (as reported)	Meter		0.2			
5. Draft			Natu	ral		
6. Material of Construction			M.S).		
7. Ambient Temperature	°C		30.0	0		
8. Flue Gas Temperature	°C		141.	.0		
9. Velocity	m/sec.	IS 11255 (Part-3)	7.7	,		
10. Volumetric Flow Rate	NM ³ /hr.		629.	.3		
11. Sampling Point	Meter		3.51	M		
			Limit as per EPA Notification	Concentration		
12. NMHC (as C) (at 15% O ₂)	mg / NM³	СРСВ	100.00 mg / NM ³	24.0		
13. Carbon Monoxide as CO (at 15% O ₂)	mg / NM³	IS 13270 - 2003	150.00 mg / NM ³			

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.11.16

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.11.16 10:57:33 +05'30"

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

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sthpatnal @yahoo.co.in : info@shivatest.com Email:







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TEST REPORT

[a] Name and address of the Customer			RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152			
[b] Details of Sample		1	Monitoring of	of Stack Emissio	n	
[c] Sample Collected by				mar (Lab Repres	entative) of S	Shiva Test
[d] Sampling Location			louse on 06.	Ramco Bihiya		
[e] Method of Sampling				Part-1,2,3 & 7)		
f] Sampling Environmental Condition	1		Temp. (°C)	AND RESIDENCE OF THE PARTY OF T	lumidity (%)	73
g] Details of Sample Container (No. & Type of Container)				Glass Impinger		1 .0
h) Instrument ID			STH/Equip			
ij Sample Quantity			SO ml	-		
[i] Sample Code			ST-6389			
[k] Sample Condition on Receipt			Fit for Analysis			
Il Items required to be tested			As per contract			
 [m] Whether any specific Method of To suggested by the customer [n] Date of receiving the sample in La [o] Analysis Start Date / Analysis Con 	boratory	(No 07.11.23 07.11.23 / 1:	2.11.23		
Parameters	Unit		nod of Test Results			
Stack Connected to				Fibre	Dust Colle	ctor
2. Stack No.					11	
Height of Stack (as reported)	Meter				26.2	
4. Dia. of Stack at Top (as reported)	Meter				0.53	
5. Draft					Natural	
U. DIGIL	+	4			M.S.	
					IVI.O.	
Material of Construction	°C				30.0	
Material of Construction Ambient Temperature						
Material of Construction Ambient Temperature Flue Gas Temperature	°C	IS 1125	5 (Part-3)		30.0	
6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	°C	IS 1125	5 (Part-3)		30.0 38.0	
6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C °C m/sec.	IS 1125	5 (Part-3)	-	30.0 38.0 6.7	
6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C °C m/sec. NM³/hr.	IS 1125	5 (Part-3)	Limit as per I	30.0 38.0 6.7 5065.8 5 m.	oncentration
6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C °C m/sec. NM³/hr.		5 (Part-3) 5 (Part-1)		30.0 38.0 6.7 5065.8 5 m.	oncentration
6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	⁰ C ⁰ C m/sec. NM ³ /hr. Meter	IS 1125		Notificatio	30.0 38.0 6.7 5065.8 5 m.	

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.11.16

Verified by: Dr. Shibeshwar Prasad Technical Manager



Prasad

Shreyasee Digitally signed by Shreyasee Prasad Date: 2023.11.16 10:57:45 +05'30'

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

- END OF TEST REPORT -

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TEST REPORT

[a] Name and address of the Customer			RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya			
[b] Details of Sample			Bhojpur – 802 152 Monitoring of Stack Emission By Pradeep Kumar (Lab Representative) of Shiva Test			
[c] Sample Collected by						
			House on 06.			
d] Sampling Location				of Ramco Bihiya		
e] Method of Sampling				Part-1,2,3 & 7)		
f] Sampling Environmental Condition			Temp. (°C)		(%) 73	
[g] Details of Sample Container (No. & Type of Container)		THE RESERVE TO BE A PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		Glass Impinger		
[h] Instrument ID			STH/Equip	/52		
[i] Sample Quantity			60 ml			
[j] Sample Code			ST-6390			
[k] Sample Condition on Receipt			Fit for Analysis			
Il Items required to be tested			As per contract			
[m] Whether any specific Method of suggested by the customer [n] Date of receiving the sample in I			No 07.11.23			
o] Analysis Start Date / Analysis Co	ompletion Date	9	07.11.23 / 1	2.11.23		
Parameters	Unit		THE RESERVE THE PERSON NAMED IN COLUMN			
	01111		d of Test	Res	ults	
Stack Connected to			d of Test	Pulve		
	-		d of Test		eriser	
2. Stack No.	Meter		d of Test	Pulve	eriser I	
2. Stack No. 3. Height of Stack (as reported)			d of Test	Pulve	eriser I 2 m.	
2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported)	Meter		d of Test	Pulve II 14.2 0.2 Nati	eriser I 2 m. m. ural	
2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft	Meter Meter		d of Test	Pulve II 14.2 0.2	eriser I 2 m. m. ural	
2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction	Meter Meter		d of Test	Pulve II 14.2 0.2 Nati	eriser I m. m. ural S.	
2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature	Meter Meter		d of Test	Pulve II 14.2 0.2 Nate M.	eriser I 2 m. m. ural S.	
2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature	Meter Meter		d of Test	Pulve II 14.2 0.2 Natr M.	eriser I 2 m. m. ural S.	
2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	Meter Meter OC			Pulve III 14.2 0.2 Natr M. 30	eriser I 2 m. m. ural S0	
2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter OC OC m/sec.			Pulve II 14.2 0.2 Nate M. 30 35	eriser I 2 m. m. ural S0 .0 .0 .8	
2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter OC C M/sec. NM³/hr.			Pulve II 14.2 0.2 Nati M. 30 35 6.	eriser I 2 m. m. ural S0 .0 .0 .8	
2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point 12. Particulate Matter (P.M.)	Meter Meter OC C OC M/sec. NM³/hr. Meter	IS 1125	55 (Part-3) 55 (Part-1)	Pulve II 14.2 0.2 Nati M. 30 35 6. 740 5.0 Limit as per EPA	eriser I 2 m. m. ural S. 0.0 .0 8 0.5 M.	
2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	Meter Meter OC OC M/sec. NM³/hr. Meter	IS 1125	55 (Part-3)	Pulve ### 14.2 0.2 Nate M. 30 35 6. 744 5.0 Limit as per EPA Notification	eriser I 2 m. m. ural S0 .0 .0 .8 0.5 M. Concentration	

SHIBESHW AR PRASAD Date: 2023.11.16 10:50:36 +05'30'

Digitally signed by SHIBESHWAR PRASAD

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.11.16 10:57:57 +05'30'

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

- END OF TEST REPORT -

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TEST REPORT

Ref. 1	No. STH/TR/23-24/6391 Dt: 1	6.11.2023	Your Work Order No. N		Dt: 04.03.2022			
[a]	a] Name and address of the Customer			RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152				
[b]	Details of Sample		Monitoring of	f Stack Emission				
-	Sample Collected by		House on 06.1		e) of Shiva Test			
[d]	Sampling Location			Ramco Bihiya				
	Method of Sampling		The second secon	art-1,2,3 & 7)				
[f]	Sampling Environmental Condition	1	Temp. (°C)	30 Humidity	(%) 73			
[g]	Details of Sample Container (No. 8	& Type of Contain	er) Thimble & G	lass Impinger				
	Instrument ID		STH/Equip/	52				
	Sample Quantity	60 ml						
	Sample Code	ST-6391						
	Sample Condition on Receipt		Fit for Analy	Fit for Analysis				
	Items required to be tested		As per contr	act				
[m]	Whether any specific Method of To suggested by the customer	est has been	No					
[n]	Date of receiving the sample in La	boratory	07.11.23					
[0]	Analysis Start Date / Analysis Con	npletion Date	07.11.23 / 12	.11.23				
101	Parameters	Unit	Method of Test	Resi				
1.	Stack Connected to			Cement / Fly	Ash Circuit			
2.	Stack No.			IN.	/			
3.	Height of Stack (as reported)	Meter		26	.2			
4.	Dia. of Stack at Top (as reported)	Meter		0.4	15			
5.	Draft			Natu	ıral			
6.	Material of Construction			M.	S.			
7.	Ambient Temperature	°C		30	.0			
8.	Flue Gas Temperature	°C		37	.0			
9.	Velocity	m/sec.	IS 11255 (Part-3)	6.	6			
10.	Volumetric Flow Rate	NM ³ /hr.		365	0.5			
11.	Sampling Point	Meter		10.0) M.			
				Limit as per EPA Notification	Concentration			
12.	Particulate Matter (P.M.)	mg / NM³	IS 11255 (Part-1)	100	14.4			
13.	Sulphur Dioxide (SO ₂)	mg / NM³	IS 11255 (Part-2)		Not detectable			
14.	Oxides of Nitrogen (NOx)	mg / NM³	IS 11255 (Part-7)		Not detectable			

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.11.16

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee

Digitally signed by Shreyasee Prasad Date: 2023.11.16 Prasad 10:58:08 +05'30'

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

- END OF TEST REPORT -

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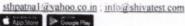
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TEST REPORT

Ref. No. STH/TR/23-24/6392 Dt: 16.	11.2023	Tour		MANUAL/RIL/BIH OUSTRIES LTD.	Dt: 04.03.202	
[a] Name and address of the Customer				, BIADA Industrial A	rea	
[b] Details of Sample				Stack Emission		
[c] Sample Collected by			By Pradeep Kumar (Lab Representative) of Shiva Test House on 06.11.23			
[d] Sampling Location			Premises of k			
[e] Method of Sampling			IS 11255 (Pa			
f] Sampling Environmental Condition			Temp. (°C)	30 Humidit	y (%) 73	
g] Details of Sample Container (No. & T	ype of Contain	ier)		lass Impinger		
h] Instrument ID			STH/Equip/5	2		
ij Sample Quantity jj Sample Code			60 ml			
Sample Code			ST-6392			
[k] Sample Condition on Receipt [l] Items required to be tested			Fit for Analysis As per contract			
[m] Whether any specific Method of Test by the customer		gested	No			
[n] Date of receiving the sample in Labor	ratory		07.11.23			
[o] Analysis Start Date / Analysis Comple			07.11.23 / 1		**	
Parameters	Unit	Meth	od of Test	Resu		
Stack Connected to				DG Set 10		
2. Stack No.				V		
Height of Stack (as reported)	Meter			9.0	m.	
4. Dia. of Stack at Top (as reported)	Meter			0.15	m.	
5. Draft				Natu	ral	
6. Material of Construction				M.S	3.	
7. Ambient Temperature	°C			30.	0	
8. Flue Gas Temperature	°C			157	.0	
9. Velocity	m/sec.	IS 11:	255 (Part-3)	7.	7	
10. Volumetric Flow Rate	NM ³ /hr.			341	.5	
11. Sampling Point	Meter			3.5		
The Company of the	1			Limit as per EPA Notification	Concentration	
12. Particulate Matter (P.M.)	mg / NM³	IS 11	255 (Part-1)	75.00 mg / NM ³	25.4	
13. Sulphur Dioxide (SO ₂)	mg / NM³		255 (Part-2)	Not Specified	12.3	
	-					

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.11.16 10:51:00 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Prasad

Shreyasee Digitally signed by Shreyasee Prasad Date: 2023.11.16 10:58:21 +05'30'

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

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Page 1 of 1

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TEST REPORT

[a] Name and address of the Customer			RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152			
[b] Details of Sample		Monitoring	of Stack Emission			
[c] Sample Collected by		By Pradeep I House on 0	By Pradeep Kumar (Lab Representative) of Shiva Test House on 06.11.23			
[d] Sampling Location		Premises o	f Ramco Bihiya			
[e] Method of Sampling		IS 11255	(Part-1,2,3 & 7)			
f] Sampling Environmental Condition		Temp. (°C) 30 Humidit	y (%) 73		
[g] Details of Sample Container (No. & T	ype of Conta	iner) Thimble 8	Glass Impinger			
[h] Instrument ID		STH/Equi	p/52			
i Sample Quantity	60 ml					
j] Sample Code		ST-6392				
[k] Sample Condition on Receipt		Fit for Ana				
[I] Items required to be tested			As per contract			
[m] Whether any specific Method of Test suggested by the customer	has been	No				
[n] Date of receiving the sample in Labor	ratory	07.11.23				
[o] Analysis Start Date / Analysis Comple	etion Date	07.11.23/				
Parameters	Unit	Method of Test	Results			
Stack Connected to			DG Set 10	10 KVA		
2. Stack No.			V			
Height of Stack (as reported)	Meter		9.0 n	n.		
4. Dia. of Stack at Top (as reported)	Meter		0.15	m.		
5. Draft			Natur	ral		
6. Material of Construction			M.S			
7. Ambient Temperature	°C		30.0	0		
8. Flue Gas Temperature	°C ·		157.	.0		
9. Velocity	m/sec.	IS 11255 (Part-3)	7.7			
Velocity 10. Volumetric Flow Rate	NM³/hr.	.5255 (. 4.1.5)	341.	.5		
	Meter		3.5 r			
11. Sampling Point	ivietei		Limit as per EPA	Concentration		
			Notification			
12. NMHC (as C) (at 15% O ₂)	mg / NM³	CPCB	Notification 100.00 mg / NM ³	25.0		

SHIBESHW AR PRASAD Date: 2023.11.16

Digitally signed by SHIBESHWAR PRASAD

Verified by: Dr. Shibeshwar Prasad Technical Manager



Prasad

Shreyasee Digitally signed by Shreyasee Prasad Date: 2023.11.16 10:58:40 +05'30'

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

- END OF TEST REPORT -

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TEST REPORT

Ref. No. STH/TR/23-24/5506 Dt:			and the second second second second	MANUAL/RIL/BIH			
[a] Name and address of the Customer			RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152				
[b] Details of Sample			Monitoring	g of Stack Emission			
[c] Sample Collected by			By Pradeep House on 1	Kumar (Lab Represent 2.10.23	ative) of Sh	niva Test	
[d] Sampling Location			Premises of	of Ramco Bihiya			
[e] Method of Sampling			IS 11255	(Part-1,2,3 & 7)			
[f] Sampling Environmental Condition			Temp. (°C	(C) 33 Hum	idity (%)	72	
] Details of Sample Container (No. & Type of Container)		tainer)	And in case of the last of the	Glass Impinger		-	
[h] Instrument ID			VSS-1 PL				
[i] Sample Quantity			60 ml				
[j] Sample Code			ST-5506				
[k] Sample Condition on Receipt			Fit for Analysis				
			As per contract				
 Items required to be tested Whether any specific Method of Te suggested by the customer 	st has been		No				
[n] Date of receiving the sample in Laboratory			13.10.23				
[o] Analysis Start Date / Analysis Com			13.10.23 /	18.10.23			
Parameters	Unit	Method	of Test	Res	ults		
Stack Connected to				DG Set	750 KVA		
2. Stack No.					1		
Height of Stack (as reported)	Meter				2.9		
 Dia. of Stack at Top (as reported) 	Meter			0	.2		
5. Draft				Na	tural		
Material of Construction					.S.		
7. Ambient Temperature	°C				2.0		
Flue Gas Temperature	°C				4.0		
9. Velocity	m/sec.	IS 1125	5 (Part-3)	Annual Control of the	0.0		
10. Volumetric Flow Rate	NM³/hr.			and the second s	7.1		
11. Sampling Point	Meter			CONTRACTOR STATE OF THE PARTY O	5 M		
				Limit as per EPA Notification	Conc	entration	
12. Particulate Matter (P.M.)	mg / NM³	IS 1125	5 (Part-1)	75.0		27.1	
13. Sulphur Dioxide (SO ₂)	mg / NM³		5 (Part-2)	Not Specified		13.3	
14. Oxides of Nitrogen (NOx)	mg / NM³	IS 1125	5 (Part-7)	710.0		151.6	

SHIBESHW AR PRASAD Date: 2023.10.19
16:38:32 +05'30'

Digitally signed by SHIBESHWAR PRASAD

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.10.19 16:40:17 +05'30"

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

- END OF TEST REPORT -

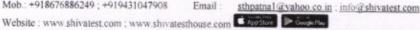
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TEST REPORT

Ref. No. STH/TR/23-24/5506(A) Dt: 19.10	0.2023	Your Work Order No.		Dt: 11.06.2023			
[a] Name and address of the Customer			RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152				
[b] Details of Sample		Monitorin	Monitoring of Stack Emission By Pradeep Kumar (Lab Representative) of Shiva Test House on 12.10.23				
[c] Sample Collected by							
d] Sampling Location		Premises of	of Ramco Bihiya				
e] Method of Sampling			(Part-1,2,3 & 7)				
f] Sampling Environmental Condition		Temp. (°C	Contract of the Contract of th	ty (%) 72			
g) Details of Sample Container (No. & T	ype of Conta		& Glass Impinger				
h] Instrument ID		VSS-1 PL	.S				
ij Sample Quantity		60 ml					
j] Sample Code		ST-5506	-1				
k] Sample Condition on Receipt			Fit for Analysis				
I] Items required to be tested			As per contract				
[m] Whether any specific Method of Test suggested by the customer		No					
[n] Date of receiving the sample in Labo		13.10.23					
[o] Analysis Start Date / Analysis Compl		13.10.23 /					
Parameters	Unit	Method of Test	Resu				
Stack Connected to			DG Set 75	50 KVA			
2. Stack No.			. 1				
Height of Stack (as reported)	Meter		12.	9			
4. Dia. of Stack at Top (as reported)	Meter		0.2				
5. Draft			Natu	ral			
Material of Construction			M.S	S.			
7. Ambient Temperature	°C		32.0	0			
8. Flue Gas Temperature	°C		144.	.0			
9. Velocity	m/sec.	IS 11255 (Part-3)	8.0)			
10. Volumetric Flow Rate	NM ³ /hr.	1	647.	.1			
11. Sampling Point	Meter		3.5	M			
			Limit as per EPA Notification	Concentration			
12. NMHC (as C) (at 15% O ₂)	mg / NM³	CPCB	100.00 mg / NM ³	24.0			

SHIBESHW Digitally signed by SHIBESHWAR PRASAD Date: 2023,10.19 16;38:51 +05'30'

Verified by : Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.10.19 16:40:32 +05'30'

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

-- END OF TEST REPORT

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Contact us:

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Website: www.shivatest.com; www.shivatesthouse.com









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TEST REPORT

	10.2023			IANUAL/RIL/B		Di: 11.06.2023
[a] Name and address of the Customer			RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152			
[b] Details of Sample		Λ	Ionitoring o	of Stack Emissi		
[c] Sample Collected by			y Pradeep Ku louse on 12.1	mar (Lab Repre- 0.23	sentative) of	Shiva Test
[d] Sampling Location		P	remises of	Ramco Bihiya	1	
[e] Method of Sampling		15	S 11255 (F	Part-1,2,3 & 7)	
[f] Sampling Environmental Condition	1	T	emp. (°C)	33	Humidity (%)	72
[g] Details of Sample Container (No. & T	ype of Contain	er) T	himble & (Glass Impinge	er	
[h] Instrument ID		V	SS-1 PLS			
[i] Sample Quantity			0 ml			
[j] Sample Code			ST-5507			
[k] Sample Condition on Receipt			Fit for Analysis			
[I] Items required to be tested		A	As per contract			
 [m] Whether any specific Method of To suggested by the customer [n] Date of receiving the sample in La 		,	3.10.23			
Int. Date of receiving the sample in La						
			Market State of the State of th	0 10 22		
[o] Analysis Start Date / Analysis Con	npletion Date	1	3.10.23 / 18	8.10.23	Doculte	
[o] Analysis Start Date / Analysis Con Parameters			3.10.23 / 18		Results	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to	npletion Date	1	3.10.23 / 18		re Dust Coll	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No.	unit	1	3.10.23 / 18		re Dust Coll	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported)	npletion Date Unit Meter	1	3.10.23 / 18		re Dust Coll II 26.2	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported)	unit	1	3.10.23 / 18		re Dust Colle II 26.2 0.53	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft	Meter Meter	1	3.10.23 / 18		II 26.2 0.53 Natural	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction	Meter Meter	1	3.10.23 / 18		re Dust Colle II 26.2 0.53 Natural M.S.	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature	Meter Meter OC	1	3.10.23 / 18		re Dust Colle II 26.2 0.53 Natural M.S. 32.0	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature	Meter Meter """ """ """ """ """ """ """ """ """	Method	3.10.23 / 18 of Test		ne Dust Colle II 26.2 0.53 Natural M.S. 32.0 41.0	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	Meter Meter """ """ """ """ """ """ """ """ """	1	3.10.23 / 18 of Test		ne Dust Colle II 26.2 0.53 Natural M.S. 32.0 41.0 6.8	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter "C" "C" "C" "C" "Msec. NM3/hr.	Method	3.10.23 / 18 of Test		ne Dust Colle II 26.2 0.53 Natural M.S. 32.0 41.0 6.8 5124.4	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	Meter Meter """ """ """ """ """ """ """ """ """	Method	3.10.23 / 18 of Test	Fibr	ne Dust Colle II 26.2 0.53 Natural M.S. 32.0 41.0 6.8 5124.4 5 m.	ector
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	Meter Meter OC OC m/sec. NM³/hr. Meter	Method	3.10.23 / 18 of Test	Fibr	ne Dust Colle II 26.2 0.53 Natural M.S. 32.0 41.0 6.8 5124.4 5 m.	
[o] Analysis Start Date / Analysis Con Parameters 1. Stack Connected to 2. Stack No. 3. Height of Stack (as reported) 4. Dia. of Stack at Top (as reported) 5. Draft 6. Material of Construction 7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	Meter Meter "C" "C" "C" "C" "Msec. NM3/hr.	IS 11255	3.10.23 / 18 of Test	Fibr	ne Dust Colle II 26.2 0.53 Natural M.S. 32.0 41.0 6.8 5124.4 5 m.	Concentration

SHIBESHW AR PRASAD Date: 2023.10.19

Digitally signed by SHIBESHWAR PRASAD

Verified by: Dr. Shibeshwar Prasad Technical Manager



- END OF TEST REPORT -

Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.10.19 16:40:42 +05'30'

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

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Contact us:

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

Mob.: +918676886249 : +919431047908 Email: sthpatnal@vahoo.co.in : info@shivatest.com

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TEST REPORT

[a] Name and address of the Customer				DUSTRIES LTD. 1, BIADA Industri	al Area	
			Bhojpur -			
[b] Details of Sample				of Stack Emission		
[c] Sample Collected by			House on 12.1	mar (Lab Representati 0.23	ve) of Shiva Test	
[d] Sampling Location			Premises of	of Ramco Bihiya		
[e] Method of Sampling			IS 11255 (F	Part-1,2,3 & 7)		
f Sampling Environmental Condition	on		Temp. (°C)	33 Humidity	(%) 72	
g] Details of Sample Container (No. &		ner)		Glass Impinger		
[h] Instrument ID			VSS-1 PLS			
[i] Sample Quantity			60 ml			
[j] Sample Code			ST-5508			
[k] Sample Condition on Receipt			Fit for Analysis			
Items required to be tested			As per contract			
[m] Whether any specific Method of suggested by the customer			No			
[n] Date of receiving the sample in I			13.10.23			
[o] Analysis Start Date / Analysis Co		***	13.10.23 / 1	Annual Control of the	ults	
Parameters	Unit	Meth	od of Test		eriser	
Stack Connected to					II	
Stack No. Height of Stack (as reported)	Meter				2 m.	
	Meter				m.	
Dia. of Stack at Top (as reported) Draft	Meter				ural	
01 0101					S.	
				32		
	°C				2.0	
7. Ambient Temperature	°C				9.0	
7. Ambient Temperature 8. Flue Gas Temperature		IS 112	255 (Part-3)	39	0.0	
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity	°C	IS 112	255 (Part-3)	39	0.0	
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C m/sec.	IS 112	255 (Part-3)	39 7 75	0.0	
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate	°C m/sec. NM³/hr.	IS 112	255 (Part-3)	39 7 75	9.0 .0 9.2	
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	°C m/sec. NM³/hr.		255 (Part-3) 255 (Part-1)	39 7 75 5.0 <i>Limit as per EPA</i>	9.0 .0 9.2 0 M.	
7. Ambient Temperature 8. Flue Gas Temperature 9. Velocity 10. Volumetric Flow Rate 11. Sampling Point	n/sec. NM³/hr. Meter	IS 112		75 5.0 Limit as per EPA Notification	9.0 .0 9.2 0 M. Concentration	

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.10.19 16:39:13 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.10.19 16:40:56 +05'30'

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

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Contact us:

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sthpatnal @vahoo.co in : info@shivatest.com

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TEST REPORT

Ref. No. STH/TR/23-24/5509 Dt	: 19.10.2023	Your Work Order No. 1		Dt: 11.06.2023		
[a] Name and address of the Custor	Plot No. A	RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpûr – 802 152				
[b] Details of Sample		THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	of Stack Emission			
[c] Sample Collected by	By Pradeep Kui House on 12.1	mar (Lab Representative 0.23	e) of Shiva Test			
[d] Sampling Location		Premises of	Ramco Bihiya			
[e] Method of Sampling		IS 11255 (P	art-1,2,3 & 7)			
[f] Sampling Environmental Condition	on	Temp. (°C)	33 Humidity	y (%) 72		
[g] Details of Sample Container (No	. & Type of Contain	er) Thimble & C	Blass Impinger			
[h] Instrument ID	VSS-1-PLS					
[i] Sample Quantity	60 ml					
[j] Sample Code	ST-5509					
[k] Sample Condition on Receipt	Fit for Analy	Fit for Analysis				
[I] Items required to be tested		As per contr	As per contract			
[m] Whether any specific Method of suggested by the customer		No				
[n] Date of receiving the sample in L		13.10.23				
[o] Analysis Start Date / Analysis Co		13.10.23 / 18	_			
Parameters	Unit	Method of Test	Res			
Stack Connected to			Cement / Fly	CONTRACTOR OF THE PARTY OF THE		
2. Stack No.						
Height of Stack (as reported)	Meter		26			
Dia. of Stack at Top (as reported)	Meter		0.4			
5. Draft			Nati	ural		
Material of Construction			M.			
7. Ambient Temperature	°C		32			
Flue Gas Temperature	°C		40			
9. Velocity	m/sec.	IS 11255 (Part-3)	6.			
10. Volumetric Flow Rate	NM ³ /hr.		363	0.6		
11. Sampling Point	Meter		10.0) M.		
			Limit as per EPA Notification	Concentration		
12 Portioulate Matter (D.M.)	mg / NM³	IS 11255 (Part-1)	100	13.1		
12. Particulate Matter (P.M.)						
Sulphur Dioxide (SO ₂)	mg / NM³	IS 11255 (Part-2)		Not detectable		

SHIBESHW Digitally signed by

SHIBESHWAR PRASAD AR PRASAD Date: 2023.10.19
16:39:24 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.10.19 16:41:09 +05'30'

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

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TEST REPORT

Ref. No. STH/TR/23-24/5510 Dt: 19	.10.2023	Your		MANUAL/RIL/BIH	Dt: 11.06.202	
[a] Name and address of the Customer		RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152				
[b] Details of Sample				f Stack Emission		
c] Sample Collected by			By Pradeep Kumar (Lab Representative) of Shiva Test House on 12.10.23			
[d] Sampling Location			Premises of k			
[e] Method of Sampling				art-1,2,3 & 7)		
f] Sampling Environmental Condition			Temp. (°C)	33 Humidity	(%) 72	
[g] Details of Sample Container (No. & T	ype of Contain	er)		lass Impinger		
[h] Instrument ID			VSS-1 PLS			
[i] Sample Quantity			60 ml			
[j] Sample Code			ST-5510			
[k] Sample Condition on Receipt			Fit for Analysis			
[I] Items required to be tested			As per contract			
[m] Whether any specific Method of Test by the customer		gested	No			
[n] Date of receiving the sample in Labor			13.10.23	0.40.00		
[o] Analysis Start Date / Analysis Compl			13.10.23 / 1	THE RESIDENCE OF THE PARTY OF T		
Parameters	Unit	Meth	od of Test	Resu		
Stack Connected to				DG Set 10	110 KVA	
2. Stack No.				V		
Height of Stack (as reported)	Meter			9.0	m.	
4. Dia. of Stack at Top (as reported)	Meter			0.15	m.	
5. Draft				Natu	ral	
6. Material of Construction				M.S	S.	
7. Ambient Temperature	°C			32.	0	
8. Flue Gas Temperature	°C			154	.0	
9. Velocity	m/sec.	IS 11	255 (Part-3)	7.8	3	
	NM³/hr.		-	348	.3	
				3.5		
10. Volumetric Flow Rate	Meter			3.3	m.	
10. Volumetric Flow Rate				Limit as per EPA	m. Concentration	
10. Volumetric Flow Rate		IS 11:	255 (Part-1)			
Volumetric Flow Rate Sampling Point	Meter	-	255 (Part-1) 255 (Part-2)	Limit as per EPA Notification	Concentration	

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.10.19
16:39:36+05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.10.19 16:41:33 +05'30'

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

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Page 1 of 1

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

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TEST REPORT

[a] Name and address of the Customer	RAMCO INDUSTRIES LTD. Plot No. A 1, BIADA Industrial Area Bihiya Bhojpur – 802 152				
[b] Details of Sample		Monitoring of Stack Emission			
[c] Sample Collected by	By Pradeep Kumar (Lab Representative) of Shiva Test House on 12.10.23				
[d] Sampling Location		Premises of Ramco Bihiya			
[e] Method of Sampling	the same of the sa	IS 11255 (Part-1,2,3 & 7)			
f Sampling Environmental Condition	Temp. (°C		ity (%) 72		
[g] Details of Sample Container (No. &]		Thimble & Glass Impinger			
[h] Instrument ID	The second secon	VSS-1 PLS			
ii Sample Quantity	The second secon	60 ml			
[j] Sample Code		ST-5510			
[k] Sample Condition on Receipt		Fit for Analysis			
[I] Items required to be tested			As per contract		
[m] Whether any specific Method of Test suggested by the customer	No				
[n] Date of receiving the sample in Labo	13.10.23				
[o] Analysis Start Date / Analysis Comp		13.10.23 / 18.10.23			
Parameters	Unit	Method of Test			
Stack Connected to			DG Set 1		
2. Stack No.			. V		
Height of Stack (as reported)	Meter		9.0 m.		
4. Dia. of Stack at Top (as reported)	Meter		0.15 m.		
5. Draft			Natural		
Material of Construction			M.S.		
7. Ambient Temperature	°C		32.0		
8. Flue Gas Temperature	°C		154.0		
9. Velocity	m/sec.	IS 11255 (Part-3)	7.8		
10. Volumetric Flow Rate	NM³/hr.	(= ()	348.3		
11. Sampling Point	Meter			3.5 m.	
The Company Cont	INCC.		Limit as per EPA Notification	Concentration	
12. NMHC (as C) (at 15% O ₂)	mg / NM³	CPCB	100.00 mg / NM ³	25.0	

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16:39:49 +05'30'

Verified by: Dr. Shibeshwar Prasad Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.10.19 16:41:48 +05'30'

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

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Website: www.shivatest.com; www.shivatesthouse.com

