

Ramco Industries Limited



Dewanmaro Ayma
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RIL CIN NO.
L26943TN1965PL C005297

Date: 29/04/2024

To,
The IGF & In charge,
GOL, MOEF & CC,
Integrated Regional Office,
IB-198, Salt Lake City, Sector III,
Kolkata- 700106

Sub: Six Month Compliance Report

Dear Madam,

We are submitting our six-month compliance report from October'23 to March'2024 duly complied with.

Kindly acknowledge the same.

Thanking you,

Yours faithfully,

For Ramco Industries Ltd.

N. Srinivasan
(Works Manager)



Encl:

- 1) Compliance Report
- 2) Fibre Concentration report
- 3) Ambient Air emission monitoring report
- 4) Stack Analysis Reports

Cc: Asst. Environmental Engineer, WBPCB, Haldia Regional Office, Haldia, Purba Medinipur.

Compliance Status of Ministry of Environment and Forests & Climate Change

Name of the Project: Ramco Industries Ltd.

Clearance Letter No & date: J-11011/22/2011-IA II (I), Dated 10th May, 2013

Period of Compliance Report: From October'2023 to March'2024

CONDITIONS	COMPLIANCE STATUS
A. Specific conditions:	
i. The project proponent shall adhere to the prescribed BIS standards and laws regarding use of asbestos, safety of employees etc. Raw Materials like asbestos fibre and cement should be transported in closed containers. Asbestos fibre should be brought in palletized form, in impermeable bags and under compressed condition.	We strictly adhere to the prescribed BIS standards and law regarding use and handling of asbestos safety of employee etc. Raw materials like asbestos fiber and cement are always transported in closed containers. Asbestos fiber always brought in palletized form in impermeable bags and under compress condition.
ii. Only Chrysotile white asbestos fibre shall be used. Blue asbestos should not be utilized as a raw material in the manufacturing process.	We use only WHITE CHRYSOTILE Fibre as raw material in the manufacturing process and we do not use blue asbestos.
iii. There should be no manual handling/opening of asbestos fibre bags. The company should install fully automatic asbestos fibre debagging system	There is no manual handling/opening of asbestos fibre bags. Fibre is stored in polythene woven bags and unloaded in the automatic bag-opening device (BOD) wherein the bags are automatically shredded. Thus, no manual handling comes into picture due to installation of fully automatic asbestos fibre debagging system.
iv. Fugitive emission shall be controlled by bringing cement in closed tankers, flyash in covered trucks and asbestos in impervious bags inside a closed mixer. Dust collectors shall be provided to fibre mill, Bag opening device (BOD), cement and flyash silos to control emissions. Bag filters followed by wet washer shall be provided at automatic bag opening machine, bag shredder, fibre mill and to cement silo to collect the dust and recycle it into the process. Fugitive emissions generated from hopper of Jaw crusher and pulverizer shall be channelized through hood with proper suction arrangement, bag filter and stack.	For controlling fugitive emission, Material received in bulk tankers are conveyed pneumatically to the respective silos and there are no fugitive emissions. Bag filters followed by wet washer are provided at automatic bag opening machine bag shredder and fiber mill, Cement, Fly ash silos and rejected sheets pulverizer to collect the dust and recycle into the process. Asbestos fibre count is being monitored at pulverizer area found within the permissible limit.
v. The company shall comply with total dust emission limit of 2mg/Nm ³ as notified under the Environment (protection) Act, 1986. Adequate measure should be adopted to control the process emission and ensure that the stack emission of asbestos fibre should not exceed the emission limit 0.2f/cc, asbestos fibre in work zone environment shall be maintained within 0.1 fibre/cc.	We are complying with total dust emission limit of 2mg/Nm ³ as notification under the Environment (Protection) Act, 1986. Adequate measures have been adopted to control the process emission. We ensure that the stack emission of asbestos fiber will not exceed the emission limit of 0.2 fiber/cc. Asbestos fiber in work zone

	zone environment is maintained with in 0.1 fiber/cc. (Annexure-1). Reports are enclosed herewith.
vi. Bag containing asbestos fibre shall be stored in enclosed area to avoid fugitive emissions of asbestos fibre from damaged bags, if any.	Bags containing asbestos fiber are stored in enclosed place to avoid fugitive emissions of asbestos fiber from damaged bags.
vii. Proper housekeeping shall be maintained within the plant premises. Process machinery, exhaust and ventilation shall be laid in accordance with Factories Act. Better housekeeping practices shall be adopted for improvement of the environment within the work environment also. These includes: a) All monitoring transfer points shall be connected to dust extraction system. b) Leakage or dust from machines and ducts shall be plugged. c) Floor shall be cleaned by vacuum cleaner only. d) Enclosed belt conveyer shall be used instead of manual transportation of asbestos within the premises.	Proper housekeeping maintained within the plant premises, process and machinery. Exhaust ventilation system is installed in accordance with factories Act. For better housekeeping, following practices are adopted for improvement of the environment within the work environment. i) Wet mopping being done in shop floor. ii) Vacuum cleaning done at BOD & ER mill are. iii) Wet waste is collected in clarifier and recycled in the process. iv) Process water is collected in two Cone tank and recycled in the process. v) Broken sheets are collected and pulverized & reused in the process. a) We are cleaning the shop floor with the help of Vacuum Cleaner. b) Asbestos fibre is being transported from fibre godown through Forklift & through roller conveyor fibre bag are fed into the BOD.



viii. Quarterly monitoring of pollutant (PM ₁₀ asbestos fibre count) in the work zone area and stack(s) shall be undertaken by the project proponents. In addition, asbestos fibre count including the fugitive dust in the work zone area shall be monitored by an independent monitoring agency like NIOH/ITRC/NCB or any other approved agency on six monthly basis and reports shall be submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.	Quarterly monitoring of asbestos fibre count in work zone (including Fugitive dust) is being monitored by external agency, M/s CVR Lab, Chennai. Results are in Annexure-1. Also fibre dust & fibre count are being monitored in our fibre stack by SPCB approved labs & by CVR Lab. Reports are attached herewith. The reports are being submitted to State Pollution Control Board & Ministry once in 6 months.
ix. As reflected in the Environmental Management Plan, all the treated effluent shall be recycling and reused in the manufacturing process. No process water shall be discharged outside the premises and 'zero' discharge shall be maintained. All the domestic waste water shall be treated in septic tank followed by soak pit and used for green belt development.	The entire process water is recycled and reused in the manufacturing process. There is no process water discharged outside the premises and we are maintaining ZERO discharge. The domestic waste water is treated in septic tank followed by soak pit and used for green belt development.
x. The Company shall ensure that the entire solid waste generated including process rejects, cement, flyash, dust from bag filters and empty asbestos bag shall be recycled back in the manufacturing process. There will be no solid waste disposal outside the plant premises. Asbestos fibres which cannot be further recycled due to contamination of iron dust shall be stored in HDPE lined secured landfill. The disposal facilities for asbestos waste shall be in accordance with the Bureau of Indian Standard Code.	We ensure that the entire solid waste generated including process rejects, dust from bag filters and empty asbestos bags are recycled in the manufacturing process. The solid waste is stored in closed hazardous waste storage shed. The same will be recycled into the process. Hence No product is disposed.
xi. The cut and damaged fibre bags shall be repaired immediately. Empty fibre bags will be shredded into fine particles in a bag shredder and recycled into the process. Piling of AC sheets shall be done in wet condition only.	The cut and damaged fibre bags if any found are being repaired immediately by fixing the adhesive tape. Empty fiber bags are shredded into fine particles in a bag shredder and recycled into the process.
xii. The Company shall obtain a certificate from the supplier of Chrysotile fibre that it does not any toxic or trace metals. A copy of certificate shall be submitted to the Ministry of Environment and Forest.	There is no toxic or trace elements found in the fibre supply.
xiii. Regular medical examination of the workers and health monitoring of all the employees shall be carried out and if cases of asbestosis are detected, necessary compensation shall be arranged under the existing laws. A competent occupational health physician shall be appointed to carry out medical surveillance. Occupational health of all the workers shall be	Regular medical examination of the workers and health monitoring of all the employees are carried out. We will maintain record upto minimum 15 years after retirement or cessation of employment whichever is lower. A competent occupational health



	monitored for lung function test, chest X- ray, sputum for acid-fast-bacilli (AFC) and asbestos body (AB), urine for sugar and albumen, blood tests for TLC, DLC, ESR, Hb and records maintained for at least 40 years from the beginning of the employment or 15 years after the retirement or cessation of employment whichever is later. Occupational Health Surveillance shall be carried out as per directives of the Hon'ble Supreme Court including the including the recent Kalyaneswari case.	physician will be appointed to carry out surveillance. The occupational health monitoring is being done as stipulated. We have provided medical and health care facilities at the work place and carry out health surveillance as per the directives of the supreme court.
xiv.	To educate the workers, all the work places where asbestos dust may cause a hazard shall be clearly indicated as a dust exposure area through the use of display signs which identifies the hazard and the associated health effects.	We educate the workers, all the work places where asbestos dust may cause a hazard is clearly indicated as a dust exposure area through the use of display signs which identifies the hazard and the associated health effects.
xv.	The company shall also undertake rain water harvesting measures and plan of action shall be submitted to the Ministry's Regional Office at Bhubaneswar within three months.	We have a rain water harvesting pond to store the rain water and reuse.
xvi.	All the commitments made to the public during Public Hearing/Public Consultation meeting held on 5 th October, 2012 shall be satisfactorily implemented and a separate budget for implementing the same should be allocated & information submitted to the Ministry's Regional Office at Bhubaneswar.	Recommendations made during public hearing are being done from time to time.
xvii.	Green belt shall be developed in at least 33% of plant area as per the CPCB guidelines in consultant with the DFO. More focus shall be given towards the South East side of the plant layout.	An effective green belt is being developed with local species in consultation with DFO as per CPCB guidelines, Efforts are further made to develop green belt in south eastern side.
xviii.	At least 5% of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan should be prepared & submitted to Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	We are regularly doing CSR activity. Recently we have constructed a school building for Rs-10, 62, 000/-nearest to our factory.
xix.	The company shall provide housing for construction labour within the site with all necessary infrastructure & facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.	We have provided all necessary infrastructure and facilities to our labour working in the site.
B. General Conditions:		
i.	The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board & the State Government.	We strictly adhere to the stipulations made by the West Bengal Pollution Control Board and the State Government.
ii.	No further expansion/modification in the plant should	No further expansion/ modifications in



	be carried out without prior approval of the Ministry Of Environment and Forest.	the plant will be carried out without prior approval of the Ministry of Environment and Forests.
iii.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentrations of PM10, SO2 & NOx are anticipated in consultation with the CPCB. Data on ambient air quality & stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar & the SPCB/CPCB in six months.	We are monitoring ambient air quality in four locations of the plant by external agency. We are also sending those monitored results to MOEF, Kolkata and State pollution control board. We have attached herewith the Ambient Air Quality Record done by SPCB approved labs..
iv.	Industrial waste water shall be properly collected, treated so as to conform to the standard prescribed under GSR 422 (E) dated 19 th May, 1993 & 31 st December, 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	All our process water is 100% reused in our manufacturing process.
v.	The overall noise levels in and around the plant area shall be kept well within the standard (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) & 70 dBA (night time).	Noise levels in and around the Plant area are monitored regularly and is well under the limit.
vi.	Occupational health surveillance of the workers shall be done on a regular basis & records maintained as per the Factories Act.	Regular medical examination of the workers and health monitoring of all the employees are carried out by a competent occupational health physician. The occupational health monitoring is being done as per factories act.
vii.	The company shall develop rain water harvesting structure to harvest the rain water for utilization in the lean season besides recharging the ground water.	Rain water harvesting pond has been developed to augment ground water during rainy season.
viii.	The project proponent shall also comply with all the environmental protection measures & safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply & health care etc.	We are complying with safe guards recommended in the EIA/EMP report. Also we are regularly doing C.S.R activities.
ix.	Requisite funds shall be earmarked towards capital cost & recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional office of the	Environmental Expenses details are Recurring Expenses:- October'2023 to March'2024- Rs 11,29,156/-. 1) Garden Maintenance &



Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.	Plantation- Rs-2,10,423/- 2) Personal Protective equipment, like Nose mask, hand gloves, Gum boot, etc- Rs-1,98,783/- 3) Environmental Monitoring jobs Rs-7,19,950/-
x. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body & the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also put on the web site of the company by the proponent.	Copy of EC accorded has been sent to local panchayat & Zila parishad. We have uploaded our EC in our company website.
xi. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website & shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Bhubaneswar. The respective Zonal office of CPCB & the SPCB. The criteria pollutant levels namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects shall be monitored & displayed at a convenient location near the main gate of the company in the public domain.	We have uploaded the six monthly compliance reports in our company website (www.ramcoindltd.com). We are regularly sending six monthly compliance reports to MOEF regional office every 6 months. We have also made available relevant critical parameters in display board near the main gate.
xii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, the respective Zonal Office of CPCB & the SPCB. The Regional Office of this Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions.	The monitoring data has already been sent to the office along with the compliance report for the period April'23 to September'23 in the month of October'23.
xiii. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned state Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions & shall also be sent to the respective Regional Office of the MoEF at Bhubaneswar by e-mail.	We are regularly sending the Environmental statement (Form-V, year ending Mar'31st) to state pollution control board. Also uploaded this in our website (www.ramcoindltd.com).
xiv. The project proponent shall inform the public that the project has been accorded environmental clearance by the ministry & copies of the clearance letter are available with the SPCB & may also be seen at website of the Ministry of Environment & Forests at	We have informed the public through the local newspaper announcement that the project has been accorded environmental clearance by the ministry and copies of the clearance are available at the State



http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language to the Regional Office at Bhubaneswar.	pollution control board/committee and may also see at website of the MoEF at http://envfor.nic.in.
xv. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure & final approval of the project by the concerned authorities & the date of commencing the land development work.	Information with date of financial closure and final approval given are informed to Ministry of Environment and Forest. Date of Financial closure-07.11.2012. Date of Final approval-03.08.2013.



ANNEXURE-1

Results of Fibre concentration at Work zone/Stack

Place	November'23	February'24
Fibre Go down	0.044 f/cc	0.045 f/cc
BOD	0.045 f/cc	0.047 f/cc
Slurry Mixer	0.041 f/cc	0.043 f/cc
Cutter Off	0.049 f/cc	0.052 f/cc
Auto Box	0.036 f/cc	0.034 f/cc
Moulding	0.030 f/cc	0.033 f/cc
Stripping	0.052 f/cc	0.055 f/cc
Pulveriser	0.038 f/cc	0.036 f/cc
Ball Mill	0.036 f/cc	0.034 f/cc
Stack Attached to BOD & Edge runner mill	0.046 f/cc	0.041 f/cc
Stack Attached to Pulveriser	0.046 f/cc	0.042 f/cc





ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO.: ENV/EM/3R

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewannara Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023
		Period of Analysis	: 19.10.2023 - 20.10.2023
		Date of Issue	: 22.10.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/31/Oct./A/I
		Report No.	: ENV/31/Oct./TR(A)/I/23-24
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Cement & Fly Ash Feeding Section	Height of Stack (mtr.) (from G.L.)	: 15.0
Shape of Stack	: Circular	Stack I.D. at sampling point (mtr.)	: 0.40
Materials of Construction	: M.S.	Height of sampling port (mtr.) (from G.L.)	: 8.40
Capacity	: 10 Ton/hr. (Running Load - 06 Ton/hr.)		
Emission Due to	: Process Activity (Feeding of Raw Materials)		
Fuel Used	: N.A.	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: Nil		
Pollution Control Device	: Bag Filter		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	36.2	N.A.
2.	Barometric Pressure	mm of Hg	---	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	10.44	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	4524.30	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	1.91	2.0

Remarks : Limit as per CPCB (Emission Regulation Part IV : COINDS/26/1986-87).
: N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By :

Authorised Signatory :

TEST REPORT

FORMAT NO.: ENV/EM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewannar Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023
		Period of Analysis	: 19.10.2023 - 20.10.2023
		Date of Issue	: 22.10.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/31/Oct./A/II
		Report No.	: ENV/31/Oct./TR(A)/II/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Edge Runner Mill BOD (Bag Open Device & Slurry Mixing)		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 15.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 0.30
Capacity	: 03 Ton/hr. (Running - 03 Ton/hr.)	Height of sampling part (mtr.) (from G.L.)	: 8.4
Emission Due to	: Process Activity		
Fuel Used	: N.A.	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: Nil		
Pollution Control Device	: Bag Filter and Wet Scrubber		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 34.3	N.A.
2.	Barometric Pressure	mm of Hg	--	: 756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 13.47	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	: 3305.51	N.A.
5.	Concentration of Particulate Matter	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 1.65	2.0

Remarks : Limit as per CPCB (Emission Regulation Part IV : COMD5/26/1986-87).
N.A. means Not Available.
Result relates only to the sample tested.

Reviewed By:

[Signature]

Authorised Signatory:

[Signature]

TEST REPORT

FORMAT NO.: ENV/EM/3R

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewannara Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023
		Period of Analysis	: 19.10.2023 - 20.10.2023
		Date of Issue	: 22.10.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/31/Oct./A/III
		Report No.	: ENV/31/Oct./TR(A)/III/23-24
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Pulverizer Section (No.1)
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: Rated - 02 Ton/hr. (Running - 02 Ton/hr.)
Emission Due to	: Process Activity (Pulverizing of Waste Sheet & Materials)
Fuel Used	: N.A.
Working Fuel Consumption	: Nil
Pollution Control Device	: Bag Filter
Height of Stack (mtr.) (from G.L.)	: 15.0
Stack I.D. at sampling point (mtr.)	: 0.254
Height of sampling port (mtr.) (from G.L.)	: 4.572
Permanent Platform & Ladder	: Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 44.6	N.A.
2.	Barometric Pressure	mm of Hg.	"	: 756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 16.30	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	: 2774.02	N.A.
5.	Concentration of Particulate Matter	mg/Nm³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 1.68	2.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1966-87].
: N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By:

Authorised Signatory:

TEST REPORT

FORMAT NO.: ENV/EM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023
		Period of Analysis	: 19.10.2023 - 20.10.2023
		Date of Issue	: 22.10.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/31/Oct./A/IV
		Report No.	: ENV/31/Oct./TR(A)/IV/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: D. G. Set - 380 KVA	Height of Stack (mtr.) (From G. L.)	: 12.50
Shape of Stack	: Circular	Stack I.D. at sampling point (mtr.)	: 0.178
Materials of Construction	: M.S.	Height of sampling port (mtr.) (from G.L.)	: 8.40
Capacity	: 380 KVA		
Emission Due to	: Combustion of H.S.D	Permanent Platform & Ladder	: Yes
Fuel Used	: H.S.D		
Working Fuel Consumption	: 40 liter./hr.		
Pollution Control Device	: Nil		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS: 11255 (Part 1)	212.0	N.A.
2.	Barometric Pressure	mm of Hg.	---	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	15.77	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	863.33	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2): 2019	41.47	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270: 2019	8.0	N.A.
7.	Concentration of CO	%(v/v)	IS 13270: 2019	<1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1): 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec. 11 (Vol.11.07): 2017	42.56	150.0

Remarks : Limit as per CPCB (Emission Regulation Part IV: COINDS/26/1986-87).
: N.A. means Not Available
: Result relates only to the sample tested.

Reviewed By:

[Signature]

Authorised Signatory:

[Signature]

Dr. RANJAN K. SINGH
Director, ENVIROCHECK

TEST REPORT

FORMAT NO.: ENV/EM/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmuro Ayna, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023 - 18.10.2023
		Period of Analysis	: 19.10.2023 - 20.10.2023
		Date of Issue	: 22.10.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/31/Oct./A/V
		Report No.	: ENV/31/Oct./TR(A)/V/23-24

A) GENERAL INFORMATION

1. Location of Sampling : Near Main Gate
2. Duration of Sampling : 24 hrs. (08:30 a.m. - 08:30 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 62.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	41.66	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	78.24	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	8.40	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	26.52	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.28	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
Result relates only to the sample tested.

Reviewed By:

[Signature]

Authorised Signatory:

[Signature]

INDRANI BHATTACHARYA
23, Indira Nagar, Kolkata - 700028

TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmura Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023 - 18.10.2023
		Period of Analysis	: 19.10.2023 - 20.10.2023
		Date of Issue	: 22.10.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/31/Oct./A/VI
		Report No.	: ENV/31/Oct./TR(A)/VI/23-24

A) GENERAL INFORMATION

1. Location of Sampling : Near Stock Yard
2. Duration of Sampling : 24 hrs. (09:00 a.m. - 09:00 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 62.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C) RESULTS

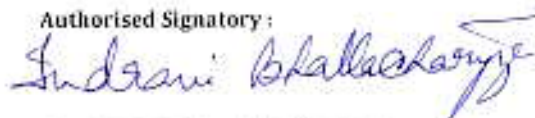
SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	51.29	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	82.48	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) : 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	6.51	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) : 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	26.44	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.16	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) : 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
Result relates only to the sample tested.

Reviewed By :



Authorised Signatory :



TEST REPORT

FORMAT NO.: ENV/EM/17

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023 - 18.10.2023
		Period of Analysis	: 19.10.2023 - 20.10.2023
		Date of Issue	: 22.10.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/31/Oct./A/VII
		Report No.	: ENV/31/Oct./TR(A)/VII/23-24

A) GENERAL INFORMATION

1. Location of Sampling : Near Scrap Yard
2. Duration of Sampling : 24 hrs. (09:30 a.m. - 09:30 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 62.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM ₁₀	µg/m ³	IS 5182 (Part 24) : 2019	56.27	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	89.18	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) : 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	11.76	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) : 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	31.18	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.23	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) : 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part 9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009
Result relates only to the sample tested.

Reviewed By :

[Signature]

Authorised Signatory :

[Signature]

TEST REPORT

FORMAT NO. ENV/FM/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill - Dewannara Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023 - 18.10.2023
		Period of Analysis	: 19.10.2023 - 20.10.2023
		Date of Issue	: 22.10.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/31/Oct./A/VIII
		Report No.	: ENV/31/Oct./TR(A)/VIII/23-24

A) GENERAL INFORMATION

1. Location of Sampling : Back Side of the Plant
2. Duration of Sampling : 24 hrs. [10:00 a.m. - 10:00 a.m.]

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 62.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	42.46	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	71.58	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	7.14	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	25.98	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.18	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
B.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
Result relates only to the sample tested.

Reviewed By:

[Signature]

Authorised Signatory:

[Signature]

<End of Report>

ENVIROCHECK

Recognised by MoEF&CC, WPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/53

TEST REPORT

Name of Industry / Company / Factory / Office	:	Ramco Industries Limited			
Address	:	Village - Dewanmura Ayma, P.O - Haviatara, P.S - Kharagpur, District - Paschim Medinipur, Pin - 721301			
Type of Industry	:	Asbestos Cement Corrugated & Accessories Manufacturing Unit			
Sampling Plan & Procedure	:	ENV/SOP/02			
Deviation from the Sampling Method & Plan	:	No			
Type of Sample	:	Noise Level Study			
Sample ID	:	ENV/04/Oct/N	Report ID	:	ENV/04/Oct/(TR)N/23-24
Date of Study	:	17/10/2023	Reporting Date	:	20/10/2023
Method No.	:	IS 15575 (Part 2), 2022	Time of Duration of Noise	:	20 Minutes
Sample Monitored by	:	Mr. Biswajit Dey	Height from Ground Level	:	4 Feet

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (Hours)	Min dB (A)	Max dB (A)	L _{eq} dB (A)	Limit in LeqdB(A)
1.	Near Main Gate	50.2	52.5	49.3	50.0	52.4	51.4	53.7	52.9	50.7	51.5	9:00 - 9:20 A.M (Day Time)	49.3	53.7	51.50	A. Industrial Area (Day Time - 75.0) (Night Time - 70.0)
2.	Near Main Gate	43.5	45.8	43.8	42.6	45.9	45.7	44.8	43.9	42.5	43.1	10:00 - 10:20 P.M (Night Time)	42.5	45.7	44.49	
3.	Near Stock Yard	51.2	52.7	53.9	52.1	59.7	63.9	52.8	61.2	60.7	51.5	9:30 - 9:50 A.M (Day Time)	59.7	63.9	62.01	B. Commercial Area (Day Time - 65.0) (Night Time - 55.0)
4.	Near Stock Yard	55.4	57.8	59.3	53.5	54.8	60.1	51.3	60.2	59.5	58.8	10:30 - 10:50 P.M (Night Time)	53.5	61.3	58.88	
5.	Near Scrap Yard	64.7	66.7	63.9	64.2	62.5	61.8	63.2	62.8	63.0	64.0	10:00 - 10:20 A.M (Day Time)	61.8	66.7	63.83	C. Residential Area (Day Time - 55.0) (Night Time - 45.0)
6.	Near Scrap Yard	52.2	54.5	56.9	52.8	51.0	53.8	55.8	54.3	57.3	55.2	11:00 - 11:20 P.M (Night Time)	51.0	57.3	54.77	
7.	Back Side of the Plant	65.9	67.3	63.8	64.7	62.2	61.5	64.4	68.9	66.2	65.1	10:30 - 10:50 A.M (Day Time)	61.5	68.9	65.50	
8.	Back Side of the Plant	51.4	52.2	50.6	51.5	49.2	48.9	50.4	53.4	52.8	51.2	11:30 - 11:50 P.M (Night Time)	48.9	53.4	51.32	D. Silent Zone (Day Time - 50.0) (Night Time - 40.0)

**Remarks: Result refers only to the Sample Tested.

> End of Report <

ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



** Mean of L_{eq} - Equivalent to Sound Energy		** Central Pollution Control Board, Ministry of Environment & Forests Government of India & Department of Environment, Government of West Bengal)	
		**Day Time is reckoned in between	**Night Time is reckoned in between
		6:00 A.M & 10:00 P.M	10:00 P.M & 6:00 A.M
PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS / Source: The Noise Pollution (Regulation and Control) Rules, 2000			
Hours	Limit in dBA		
8	90		
4	93		
2	96		
1	99		
1/2	102		
1/4	105		
1/8	108		
1/16	111		
1/32	114		
(2 minutes or less)	-		

Reviewed By:

Dy. Quality Manager

Authorized Signatory:

Dy. Technical Manager, Chennai

ENVIROCHECK

Recognised by MoEF&CC, WPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023
		Period of Analysis	: 18.10.2023 - 31.10.2023
		Date of Issue	: 02.11.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Quality Control Lab	Sample Condition	: Sealed
		ULR No.	: TC601423000000618P

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4) : 2021	Hazen	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5) : 2018	"	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11) : 2022	"	6.20	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 4) : 2021	"	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10) : 2017	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16) : 2017	mg/l	158.0	500.0	2000.0
7. Aluminium	IS 15302 : 2018	mg/l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40) : 2019	mg/l	20.04	75.0	200.0
9. Chloride	IS 3025 (Part 32) : 2019	mg/l	19.99	250.0	1000.0
10. Iron	IS 3025 (Part 53) : 2019	mg/l	0.20	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46) : 2019	mg/l	9.6	30.0	100.0
12. Manganese	IS 3025 (Part 59) : 2017	mg/l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34) : 2019	mg/l	1.60	45.0	No Relaxation
14. Sulfate	IS 3025 (Part 24) Sec 1 : 2022	mg/l	12.50	200.0	400.0
15. Total Alkalinity	IS 3025 (Part 23) : 2019	mg/l	40.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21) : 2019	mg/l	90.0	200.0	600.0
17. Zinc	IS 3025 (Part 49) : 2019	mg/l	0.23	5.0	15.0
18. Mercury	IS 3025 (Part 48) : 2019	mg/l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37) : 2019	mg/l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52) : 2017	mg/l	<0.02	N.A.	N.A.
21. Silica	APHA 23 rd Ed., 4500 SiO ₂ -C/F : 2017	mg/l	3.60	N.A.	N.A.

Remarks: a) Result shows that all parameters are within limit as per IS : 10500 - 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS:10500-2012 - Drinking Water Specification, Amendment No.1, June 2015.

d) Result relates only to the sample tested.

e) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

Reviewed By:

Authorised Signatory:

INDRANI BHATTACHARYA
Dy. Technical Manager, Chem...

ANUPRAKASH CHAKRABORTY
QA Quality Manager

TEST REPORT

Name of the Industry	Ramco Industries Ltd.	Type of Industry	Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	17.10.2023
		Period of Analysis	18.10.2023 - 19.10.2023
		Date of Issue	02.11.2023
Sampling Plan & Procedure	ENV/SOP/01	Deviation from the Sampling Method and Plan	No
		Type of Sample	Drinking Water
Location	Tap of Quality Control Lab	Sample Condition	Sealed
		ULR No	TC601423000000618P

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500:2012
1. Total Coliform	IS 15185:2021	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	IS 15185:2021	CFU/100 ml	<1.0	Shall not be detectable in any 100 ml sample

Remarks : a) Result shows that all parameters are within limit as per IS 10500:2012. (<1.0 indicates "Absent", No Colony Developed i.e. No Coliform Found).

b) CFU indicates Colony Forming Unit.

c) Result relates only to the sample tested.

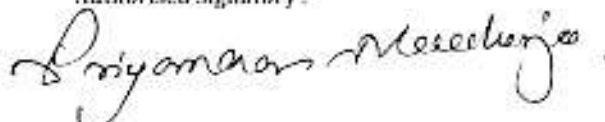
d) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

Reviewed By :



ADAL CHANDRABORTY
Manager, Microbiology

Authorised Signatory :



PRIYANKA MUKHERJEE
Technical Manager, Microbiology

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023
		Period of Analysis	: 18.10.2023 - 31.10.2023
		Date of Issue	: 02.11.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Location	: Tap of Guest House	Sample Condition	: Sealed
		HLR No.	: TC60142300000619P
		Type of Sample	: Drinking Water

PARAMETERS		METHOD	UNIT	RESULTS	LIMIT (IS 10500 : 2012)	
					Acceptable	Permissible
1.	Colour	IS 3025 (Part 4) : 2021	Hazen	1.0	5.0	15.0
2.	Odour	IS 3025 (Part 5) : 2018	--	Odourless	Agreeable	Agreeable
3.	pH	IS 3025 (Part 11) : 2022	--	6.25	6.5-8.5	No Relaxation
4.	Taste	IS 3025 (Part 4) : 2021	--	Acceptable	Agreeable	Agreeable
5.	Turbidity	IS 3025 (Part 10) : 2017	NTU	<1.0	1.0	5.0
6.	Total Dissolved Solids	IS 3025 (Part 16) : 2017	mg./l	136.0	500.0	2000.0
7.	Aluminium	IS 15302 : 2018	mg./l	<0.02	0.03	0.2
8.	Calcium	IS 3025 (Part 40) : 2019	mg./l	20.04	75.0	200.0
9.	Chloride	IS 3025 (Part 32) : 2019	mg./l	24.99	250.0	1000.0
10.	Iron	IS 3025 (Part 53) : 2019	mg./l	0.18	1.0*	No Relaxation
11.	Magnesium	IS 3025 (Part 46) : 2019	mg./l	4.8	30.0	100.0
12.	Manganese	IS 3025 (Part 59) : 2017	mg./l	<0.05	0.1	0.3
13.	Nitrate	IS 3025 (Part 34) : 2019	mg./l	1.80	45.0	No Relaxation
14.	Sulfate	IS 3025 (Part 24) Sec. 1 : 2022	mg./l	12.50	200.0	400.0
15.	Total Alkalinity	IS 3025 (Part 23) : 2019	mg./l	50.0	200.0	600.0
16.	Total Hardness (as CaCO ₃)	IS 3025 (Part 21) : 2019	mg./l	70.0	200.0	600.0
17.	Zinc	IS 3025 (Part 49) : 2019	mg./l	0.20	5.0	15.0
18.	Mercury	IS 3025 (Part 48) : 2019	mg./l	<0.001	0.001	No Relaxation
19.	Arsenic	IS 3025 (Part 37) : 2019	mg./l	<0.01	0.01	No Relaxation*
20.	Chromium	IS 3025 (Part 52) : 2017	mg./l	<0.02	N.A.	N.A.
21.	Silica	APHA 23rd Ed., 4500 SiO ₂ -C/F : 2017	mg./l	3.50	N.A.	N.A.

Remarks : a) Result shows that all parameters are within limit as per IS : 10500 - 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS:10500-2012 - Drinking Water Specification, Amendment No.1, June 2015.

d) Result relates only to the sample tested.

e) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

Reviewed By:

Authorised Signatory:

INDRANI BHATTACHARYA

General Manager, Chem...

ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023
		Period of Analysis	: 18.10.2023 - 19.10.2023
		Date of Issue	: 02.11.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Guest House	Sample Condition	: Sealed
		ILLR No.	: TC601423000000619P

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500, 2012
1. Total Coliform	IS 15185 : 2021	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	IS 15185 : 2021	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample

Remarks : a) Result shows that all parameters are within limit as per IS 10500 : 2012. (<1.0 indicates "Absent", No Colony Developed i.e. No Coliform Found)

b) CFU indicates Colony Forming Unit.

c) Result relates only to the sample tested.

d) Sample collected by Envirocheck and sent to lab in sealed condition.

Reviewed By :

DEBAPAL CHAKRABORTY

Authorised Signatory :

PRIYANKA MUKHERJEE
Technical Manager, Microbiology

<End of Report>

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 17.10.2023
		Period of Analysis	: 17.10.2023 - 26.10.2023
		Date of Issue	: 27.10.23
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Domestic Effluent Water (Grab)
Location	: Septic Tank Outlet (Canteen Side)	Sample Condition	: Sealed
		Sample ID No.	: ENV/13/Oct./W
Report No.	: ENV/13/Oct./TR(W)/23-24		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	4500 H ⁺ B APHA 23 rd Edition, 2017	--	7.53	5.5 - 9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	32.0	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	2.3	10.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	70.0	250.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	25.0	30.0

Remarks : a) Limit as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

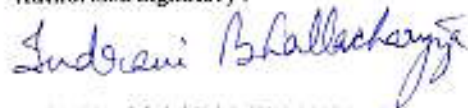
b) Results relates only to the sample tested.

c) Sample collected by Envirocheck and sent to lab in sealed condition.

Reviewed By :



Authorised Signatory :



<End of Report>



TEST REPORT

Date: 20.11.2023	Report No: ICUHL/A/PTC-698/2023	Format No: ICI/FM/H/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmuro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Moh. No. +91-7063511804	Sampling Time
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis Start Date
#Sample Description	STACK AIR	Analysis complete Date
#Location	EDGE RUNNER MILL BOD & SLURRY MIXING	
Sample Condition	In Glass Microfilter Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	EDGE RUNNER MILL BOD & SLURRY MIXING	Shape of Stack	Circular
Stack attached to	Process Activity	Material of Construction	M.S
Emission due to		Stack ID at sampling point (M)	0.30
Fuel Used		At Bottom (M)	-
Rated Fuel Consumption		At Top (M)	0.30
Working Fuel Consumption		Height Details:	
Calorific Value(Kcal/kg)		a) Total Ht. Of stack from GL(M)	15.0
Sulphur Content (% by Wt)		b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt)		c) Ht. of sampling port from GL(M)	8.40
Pollution Control Device	BAG FILTER & WET SCRUBBER	d) Ht. of port from disturbance zone (M)	-
Whether Stack is provided with permanent Platform / Ladder	Yes		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	33	Steam Generation Capacity:	
Barometric Pressure (mm Hg)	757	a) Rated	-
Velocity of Gas flow (m/s)	8.71	b) Running	-
Quantity of Gas flow (Nm³/hr)	2121.11	Load	
Pressure	-	a) Rated	-
		b) Running	1 Ton/Hr.

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	1.8	IS 11255 (Part-I) 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03	Carbon mono oxide (as CO)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
04	Carbon di oxide (as CO₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Palra

Parbati Golui
(Quality Manager)
Signatory AuthorityTest Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not RequiredParbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-367 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

Page 1 of 1

End of Report



TEST REPORT

Date: 20.11.2023	Report No: ICIHLA/PTC-699/2023	Format No: ICI/FM/H/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmari, Ayma, P.O. Haristara, P.S.-Khangpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No +91-7063511804	Sampling Time
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis Start Date
#Sample Description	STACK AIR	Analysis complete Date
#Location	CEMENT & FLY ASH FEEDING SECTION	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	Stack attached to	CEMENT & FLY ASH FEEDING SECTION	Shape of Stack	Circular
Emission due to	Feeding of Raw Material		Material of Construction	M.S
Fuel Used	-		Stack ID at sampling point (M)	0.40
Rated Fuel Consumption	-		At Bottom (M)	-
Working Fuel Consumption	-		At Top (M)	0.40
Calorific Value(Kcal/kg)	-		Height Details:	
Sulphur Content (% by Wt)	-		a) Total Ht. Of stack from GL(M)	15.00
Ash Content (% by Wt.)	-		b) Total Ht. Of stack from RL(M)	-
Pollution Control Device	Bag Filter		c) Ht. of sampling port from GL(M)	8.40
Whether Stack is provided with permanent Platform / Ladder	Yes		d) Ht. of port from disturbance zone (M)	-

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	31	Steam Generation Capacity:	
Barometric Pressure.(mm Hg)	757	a) Rated	-
Velocity of Gas flow (m/s)	9.13	b) Running	-
Quantity of Gas flow (Nm³/hr)	4035.02	Load:	
Pressure	-	a) Rated	-
		b) Running	10 Ton/Hr.

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	1.5	IS 11255 (Part-1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03	Carbon mono oxide (as CO)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
04	Carbon di oxide (as CO₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Gohui
(Quality Manager)
Signatory Authority
Parbati Gohui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-368 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 20.11.2023	Report No: ICU/HLA/PTC-700/2023	Format No: ICU/FM/11/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2023/PA-700
Address	Dewanmuro, Ayma, P.O.-Haristara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 09.11.2023
Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 12.35 PM
Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis Start Date : 14.11.2023
Sample Description	STACK AIR	Analysis complete Date : 16.11.2023
Location	D.G. SET (750 KVA)	
Sample Condition	In Glass Microfiber Thimble & Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	Circular
Stack attached to	D.G. SET (750 KVA)	Material of Construction	MLS
Emission due to	Combustion of H.S.D.	Stack ID at sampling point (M)	0.20
Fuel Used	H.S.D.	At Bottom (M)	-
Rated Fuel Consumption	145 Lit/Hr.	At Top (M)	0.20
Working Fuel Consumption	145 Lit/Hr.	Height Details :	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	16.00
Sulphur Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt)	-	c) Ht. of sampling port from GL(M)	8.40
Pollution Control Device	Nil	d) Ht. of port from disturbance zone (M)	-
Whether Stack is provided with permanent Platform / Ladder	Yes		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	169	Stream Generation Capacity :	
Barometric Pressure (mm Hg)	757	a) Rated	-
Velocity of Gas flow (m/s)	13.34	b) Running	-
Quantity of Gas flow (Nm³/hr)	995.01	Load	
Pressure	-	a) Rated	750 KVA
		b) Running	750 KVA

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	58.0	IS 11255 (Part -1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03	Sulphur di-oxide (mg/Nm³)	98.49	IS 11255 (Part -2): 1985 (RA 2019)
04	Oxides of Nitrogen (as NOx) (mg/m³)	119.12	IS 11255 (Part -7): 2005 (RA 2017)
05	Carbon mono-oxide (as CO) - % (V/V)	<0.2	IS 13270:1992 (RA 2019)
06	Carbon di-oxide (as CO₂) - % (V/V)	6.8	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
 Estimated Uncertainty: Not Required

Parbati Golui
 (Quality Manager)
 Signatory Authority
 Parbati Golui
 Quality Manager
 INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-369 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 20.11.2023	Report No: ICI/MIL/PTC-701/2023	Format No: ICI/FM/H/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2023/PA-701
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 09.11.2023
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 03:05 PM
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis Start Date : 14.11.2023
#Sample Description	STACK AIR	Analysis complete Date : 16.11.2023
#Location	PULVERIZER SECTION	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			
Stack attached to	PULVERIZER SECTION	Shape of Stack	Circular
Emission due to	Process Activity	Material of Construction	MS
Fuel Used	-	Stack ID at sampling point (M)	0.26
Rated Fuel Consumption	-	At Bottom (M)	-
Working Fuel Consumption	-	At Top (M)	-
Calorific Value(Kcal/kg)	-	Height Details :	
Sulphur Content (% by Wt)	-	a) Total Ht. Of stack from GL(M)	15.00
Ash Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Pollution Control Device	Bag Filter	c) Ht. of sampling port from GL(M)	6.70
Whether Stack is provided with permanent Platform / Ladder : Yes		d) Ht. of port from disturbance zone (M)	-

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	35	Steam Generation Capacity:	
Barometric Pressure, (mm Hg)	757	a) Rated	-
Velocity of Gas flow (m/s)	8.71	b) Running	-
Quantity of Gas flow (Nm³/hr)	1605.20	Load a) Rated	-
Pressure	-	b) Running	1 Ton/Hr.

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	1.7	IS 11255 (Part-1) 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	Carbon monoxide (as CO)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mishra

Checked By: A. Palra

Parbati Golui
(Quality Manager)
Signatory Authority
Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

- Note
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-370 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 20.11.2023	Report No: ICI/HLA/RN-1135/2023	Format No: ICI/FM/IL61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmura, Aynia, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Analysis Start Date
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis complete Date
#Sample Description	AMBIENT AIR	
#Location	NEAR MAIN GATE	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Section of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - I)	
Test Specification	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi. Notification dated 18 th November 2009	

SL No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:00 AM to 06:00 PM	06:15 PM to 02:15 AM	02:30 AM to 10:30 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	75.41	84.44	80.19	80.01	IS 5182 (Part - 2):2006 (RA 2017)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	26.86	32.10	31.13	30.03	IS 5182 (Part - 2):2006 (RA 2017)
3	Sulphur Dioxide (SO ₂)	µg / m ³	16.22	19.26	15.20	16.89	IS 5182 (Part - 2):2006 (RA 2017)
4	Oxides of Nitrogen (NO _x)	µg / m ³	41.13	46.38	40.25	42.59	IS 5182 (Part - 6):2006 (RA 2017)
5	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/06/2012-13 Atomic AAS Method
6	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8	Ozone (O ₃)	µg / m ³	40.4	-	-	40.4	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/06/2012-13 (Chemical Method)
9	Carbon Monoxide (CO)	mg / m ³	0.2844	0.3436	0.3892	0.3391	Non-Dispersive Infrared Spectrometry Method
10	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13	Ambient Temperature (Average)	°C	29.0	22.0	20.0	24.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀=160 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO_x=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis. Carbon mono oxide=2 mg/m³, O₃=180 µg/m³, 8 hours basis, Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=26ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi. Notification dated 18th November 2009

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Parbati Golu
(Quality Manager)
Signatory Authority
Parbati Golu
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
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 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

Page 1 of 1

End of Report



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 20.11.2023	Report No: ICI/IL/ARN-1136/2023	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2023/AC-1136
Address	Dewanamaro, Ayma, P.O.-Haristara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 09.11.2023 to 10.11.2023
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Analysis Start Date : 14.11.2023
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis complete Date : 18.11.2023
#Sample Description	AMBIENT AIR	
#Location	NEAR SCRAP YARD	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - I)	
Test Specification	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 th November 2009	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:15 AM to 06:15 PM	06:30 PM to 02:30 AM	02:45 AM to 10:45 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	73.70	81.47	77.43	77.53	IS 5182 (Part - 23):2006 (RA 2017)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	27.81	31.36	28.61	29.26	IS 5182 (Part - 24):2019
3	Sulphur Dioxide (SO ₂)	µg / m ³	15.20	18.24	15.20	16.21	IS 5182 (Part - 2):2001 (RA 2017)
4	Oxides of Nitrogen (NO _x)	µg / m ³	42.00	45.50	39.38	42.29	IS 5182 (Part - 5):2006 (RA 2017)
5	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/36/2012-13 Atomic AAS Method
6	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8	Ozone (O ₃)	µg / m ³	39.7	-	-	39.7	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/36/2012-13 (Chemical Method)
9	Carbon Monoxide (CO)	mg / m ³	0.2822	0.3471	0.3808	0.3367	Non-Dispersive Infrared Spectrometry Method
10	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2015)
11	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13	Ambient Temperature (Average)	°C	29.0	22.0	20.0	24.0	Hygrometer

BLQ- Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀ = 100 µg/m³, PM_{2.5} = 60 µg/m³, SO₂ = 80 µg/m³, NO_x = 80 µg/m³, Lead = 1.0 µg/m³, Ammonia = 400 µg/m³, 24 hours basis, Carbon mono oxide = 2 mg/m³, O₃ = 100 µg/m³, 8 hours basis, Benzene = 5 µg/m³, Benzopyrene = 1 ng/m³, Arsenic = 6 ng/m³, Nickel = 20 ng/m³, Annual basis, For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Gohul
(Quality Manager)
Signatory Authority
Parbati Gohul
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
- * Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as: NA
 - Test results shown in this test report relate only to the sample (s) only.
 - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 - The reproduction of the report except in full is invalid without written approval of the laboratory.
 - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 - Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
 - Location of Testing : Haldia Laboratory

End of Report

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevapur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtafa, Kolkata-700142, Mob. : 7797245819, 7797506970



TEST REPORT

Date: 20.11.2023	Report No: ICI/IL/ARN-1137/2023	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2023/AC-1137
Address	Dewanmuro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 09.11.2023 to 10.11.2023
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Analysis Start Date : 14.11.2023
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis complete Date : 18.11.2023
#Sample Description	AMBIENT AIR	
#Location	NEAR STOCK YARD	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol - 1)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:30 AM to 06:30 PM	06:45 PM to 02:45 AM	03:00 AM to 11:00 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	75.41	79.43	81.49	78.78	IS 5182 (Part - 23) 2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	27.09	28.82	30.74	28.88	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	16.22	18.24	14.19	16.22	IS 5182 (Part - 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	41.13	43.75	38.50	41.13	IS 5182 (Part - 6) 2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/06/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	39.8	-	-	39.8	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/06/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.2844	0.3482	0.3711	0.3346	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	29.0	22.0	21.0	24.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀= 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO_x=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis, Carbon mono oxide=2 µg/m³, O₃=100 µg/m³ 8 hours basis, Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=20ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Gohu
(Quality Manager)
Signature Authority
Parbati Gohu
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 20.11.2023	Report No: ICI/HL/A/RN-1138/2023	Format No: ICI/TM/161
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2023/AC-1138
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 09.11.2023 to 10.11.2023
#Customer Representative Name & Contact Number	Mr. Tarakanth Bose Mob. No. +91-7063511804	Analysis Start Date : 14.11.2023
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis complete Date : 18.11.2023
#Sample Description	AMBIENT AIR	
#Location	BACK SIDE OF THE PLANT	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:45 AM to 06:45 PM	07:00 PM to 03:00 AM	03:15 AM to 11:15 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	77.43	86.48	82.22	82.04	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	27.13	33.69	31.21	30.68	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	16.22	19.26	17.23	17.57	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO ₂)	µg / m ³	40.25	42.88	39.38	40.84	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol. 1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	39.2	-	-	39.2	Guidelines for Measurement of ambient air pollutant (Vol. 1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.2861	0.3409	0.3746	0.3349	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	29.0	22.0	21.0	24.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀= 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO₂=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis. Carbon monoxide=2 mg/m³, O₃=100 µg/m³, 8 hours basis, Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=20 ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui
(Quality Manager)
Signatory Authority,
Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
1. # Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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 8. Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 22.11.2023	: Report No: ICI/HL/W/RN-1857/2023	Format No: ICI/FM/H/67
Customer Name	: M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2023/W-1857
Address	: Dewannaro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 09.11.2023
#Customer Representative Name & Contact Number	: Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 10:45 AM Analysis Start Date : 11.11.2023 Analysis complete Date : 21.11.2023
#Work Order No.	: KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	: DRINKING WATER	
Sample Condition	: In Plastic Bottle & Glass Bottle	
Sampling Method	: IS:3025 (Part I): 1987 (RA:2019), APHA 23 rd Ed 2017	
# Location	: INSIDE OF THE PLANT	
Material Specification	: IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS: 10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(Part-5):2018 APHA 23 rd Edition 2150 B
2.	pH (at 23°C)	-	7.17	6.5 to 8.5	No Relaxation	IS 3025(Part-11):1983, RA 2017, APHA 23 rd Edition 4500-H ⁺ B IS 3025(Part-4): 1983: RA 2017
3.	Colour	Hazen Unit	<5.0	5	15	IS 3025(Part-14):1984, RA 2019 APHA 23 rd Edition 2510 B
4.	Conductivity	µS/cm	120.1	-	-	IS 3025(Part-14):1984, RA 2019 APHA 23 rd Edition 2510 B
5.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS 3025(Part-10): 1984, RA 2017 APHA 23 rd Edition 2130 B
6.	Total Dissolved Solid (TDS)	mg/L	98.0	500 (Max)	2000 (Max)	IS 3025(Part-16):1984, RA 2017 APHA 23 rd Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
7.	Total Hardness (as CaCO ₃)	mg/L	55.1	200 (Max)	600 (Max)	IS 3025(Part-21):2009, RA 2019 APHA 23 rd Edition 2340 C
8.	Ca Hardness (as CaCO ₃)	mg/L	40.1	-	-	APHA 23 rd Edition 2340 C
9.	Mg Hardness (as CaCO ₃)	mg/L	15.0	-	-	APHA 23 rd Edition 2340 C
10.	Calcium (as Ca)	mg/L	16.1	75 (Max)	200 (Max)	IS 3025(Part-40): 1991, RA 2014 APHA 23 rd Edition 3200Ca B
11.	Magnesium (as Mg)	mg/L	3.6	30 (Max)	100 (Max)	IS 3025(Part-46): 1994, RA 2019 APHA 23 rd Edition 3500Mg B
12.	Chloride (as Cl)	mg/L	14.5	250 (Max)	1000 (Max)	IS 3025(Part-32):1984, RA 2019 APHA 23 rd Edition 4500Cl B
13.	Total Alkalinity (as CaCO ₃)	mg/L	43.4	200 (Max)	600 (Max)	IS 3025(Part-23):1985, RA 2019 APHA 23 rd Edition 2520 B
14.	P-Alkalinity (as CaCO ₃)	mg/L	Nil	-	-	APHA 23 rd Edition 2520B
15.	M-Alkalinity (as CaCO ₃)	mg/L	43.4	-	-	APHA 23 rd Edition 2520B
16.	Iron (as Fe)	mg/L	0.12	0.3 (Max)	No Relaxation	IS 3025(Part-83): 2003, RA 2019 APHA 23 rd Edition 3500-Fe B
17.	Phosphate (as P)	mg/L	<0.02	-	-	APHA 23 rd Edition 4500P D
18.	Fluoride (as F)	mg/L	<0.04	1 (Max)	1.5 (Max)	IS 3025(Part-60): 2008, RA 2019 APHA 23 rd Edition 4500 FD

Page: 1 of 2

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA



TEST REPORT

Date: 22.11.2023	:	Report No: ICI/HLW/RN-1857/2023	Format No: ICI/IM/H/67
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2023/W-1857
Address	:	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 09.11.2023
#Customer Representative Name & Contact Number	:	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 10:45 AM Analysis Start Date : 11.11.2023 Analysis complete Date : 21.11.2023
#Work Order No.	:	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	:	DRINKING WATER	
Sample Condition	:	In Plastic Bottle & Glass Bottle	
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA 23 rd Ed 2017	
# Location	:	INSIDE OF THE PLANT	
Material Specification	:	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS: 10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
19.	Appearance	-	Clear	-	-	Visual
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
20.	Sulfate (as SO ₄)	mg/L	14.5	200 (Max)	400 (Max)	IS:3025(Part-24): 1986 (RA 2019) APHA 23 rd Edition 4500 SO ₄ -F
21.	Silica (as SiO ₂)	mg/L	2.6	-	-	IS:3025(Part-35): 1948 (RA 2019) APHA 23 rd Edition 4500 SiO ₂ -C
22.	Manganese (as Mn)	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 23 rd Edition 3111 B
PARAMETERS CONCERNING TOXIC SUBSTANCES						
23.	Arsenic (as As)	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 23 rd Edition 3502As B
BACTERIOLOGICAL PARAMETERS						
24.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS: 1622 (1983) (RA 2019)
25.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622 (1983) (RA 2019)

LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ= 1.8 MPN/100 ml)

Remarks:

- 1) Chemical test Parameters: **COMPLIANCE** – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012
- 2) Bacteriological test parameters: **COMPLIANCE** – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

 Parbati Golui
 (Quality Manager)
 Signatory Authority

 Test Witnessed By: Nil (Sampling was done in front of customer representatives)
 Estimated Uncertainty: Not Required

 Parbati Golui
 Quality Manager
 INDICATIVE CONSULTANT INDIA

- Note:
1. # Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India
 3. Sample submitted and identified by customer as: N.A.
 4. Test results shown in this test report relate only to the sample (s) only
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions
 6. The reproduction of the report except in full is invalid without written approval of the laboratory
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified
 9. Location of Testing: Haldia Laboratory

Page 2 of 2

End of Report



TEST REPORT

Date: 22.11.2023	: Report No: ICI/H/W/RN-1858/2023	Format No: ICI/FM/H/67
Customer Name	: M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2023/W-1858
Address	: Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 09.11.2023
#Customer Representative Name & Contact Number	: Mr. Tarakanath Bose Mob. No. +91-7063511804	Sampling Time : 01:30 PM
		Analysis Start Date : 11.11.2023
		Analysis complete Date : 21.11.2023
#Work Order No.	: KHGPOR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	: DRINKING WATER	
Sample Condition	: In Plastic Bottle & Glass Bottle	
Sampling Method	: IS:3025 (Part I): 1987 (RA 2019), APHA 23 rd ed 2017	
# Location	: GUEST HOUSE	
Material Specification	: IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(Part-5) 2018 APHA 23 rd Edition 2150 B
2.	pH (at 23°C)	-	6.70	6.5 to 8.5	No Relaxation	IS 3025(Part-11) 1983: RA 2017, APHA 23 rd Edition 4500-H ⁺ B
3.	Colour	Hazen Unit	<5.0	5	15	IS 3025(Part-4) 1983: RA 2017
4.	Conductivity	µS/cm	128.4	-	-	IS 3025(Part-14):1984: RA 2019 APHA 23 rd Edition 2510 B
5.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS 3025(Part-10) 1984: RA 2017 APHA 23 rd Edition 2130 B
6.	Total Dissolved Solid (TDS)	mg/L	106.0	500 (Max)	2000 (Max)	IS 3025(Part-16) 1984: RA 2017 APHA 23 rd Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
7.	Total Hardness (as CaCO ₃)	mg/L	60.1	200 (Max)	600 (Max)	IS 3025(Part-21) 2009: RA 2019 APHA 23 rd Edition 2340 C
8.	Ca Hardness (as CaCO ₃)	mg/L	40.1	-	-	APHA 23 rd Edition 2340 C
9.	Mg Hardness (as CaCO ₃)	mg/L	20.0	-	-	APHA 23 rd Edition 2340 C
10.	Calcium (as Ca)	mg/L	16.1	75 (Max)	200 (Max)	IS 3025(Part-40) 1991: RA 2014 APHA 23 rd Edition 3500Ca B
11.	Magnesium (as Mg)	mg/L	4.9	30 (Max)	100 (Max)	IS 3025(Part-46) 1994: RA 2019 APHA 23 rd Edition 3500Mg B
12.	Chloride (as Cl)	mg/L	14.5	250 (Max)	1000 (Max)	IS 3025(Part-32) 1988: RA 2019 APHA 23 rd Edition 4500Cl B
13.	Total Alkalinity (as CaCO ₃)	mg/L	43.4	200 (Max)	600 (Max)	IS 3025(Part-23) 1986: RA 2019 APHA 23 rd Edition 2320 B
14.	P-Alkalinity (as CaCO ₃)	mg/L	Nil	-	-	APHA 23 rd Edition 2320B
15.	M-Alkalinity (as CaCO ₃)	mg/L	43.4	-	-	APHA 23 rd Edition 2320B
16.	Iron (as Fe)	mg/L	0.11	0.3 (Max)	No Relaxation	IS 3025(Part-53) 2009: RA 2019 APHA 23 rd Edition 3500-Fe B
17.	Phosphate (as P)	mg/L	<0.02	-	-	APHA 23 rd Edition 4500P D
18.	Fluoride (as F)	mg/L	<0.04	1 (Max)	1.5 (Max)	IS 3025(Part-60) 2008: RA 2019 APHA 23 rd Edition 4500 FD

Page: 1 of 2

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA



TEST REPORT

Date: 22.11.2023	Report No: ICI/HL/W/RN-1858/2023	Format No: ICI/FM/H/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2023/W-1858
Address	Dewanmuro, Ayina, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 09.11.2023
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 01:30 PM Analysis Start Date : 11.11.2023 Analysis complete Date : 21.11.2023
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	DRINKING WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part D): 1987 (RA 2019), APHA 23 rd ed 2017	
# Location	GUEST HOUSE	
Material Specification	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
19.	Appearance	-	Clear	-	-	Visual
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
20.	Sulfate (as SO ₄)	mg/L	14.5	200 (Max)	400 (Max)	IS 3025(Part-24):1986 RA 2019 APHA 23 rd Edition 4500 SO ₄ ²⁻ E
21.	Silica (as SiO ₂)	mg/L	2.5	-	-	IS 3025(Part-35):1988, RA 2019 APHA 23 rd Edition 4500 SiO ₂ C
22.	Manganese (as Mn)	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 23 rd Edition 3111 B
PARAMETERS CONCERNING TOXIC SUBSTANCES						
23.	Arsenic (as As)	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 23 rd Edition 3500As B
BACTERIOLOGICAL PARAMETERS						
24.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS 1622:1981 (RA 2019)
25.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS 1622:1981 (RA 2019)

LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml)

Remarks:

- 1) Chemical test Parameters: Compliance - The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012
- 2) Bacteriological test parameters: Compliance - The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory AuthorityTest Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not RequiredParbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. # Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India
 3. Sample submitted and identified by customer as: N.A.
 4. Test results shown in this test report relate only to the sample (s) only
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions
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 8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified
 9. Location of Testing: Haldia Laboratory

End of Report

Page 2 of 2

**TEST REPORT**

Date: 22.11.2023	: Report No: ICI/HL/W/RN-1859/2023	Format No: ICI/FM/H/67
Customer Name	: M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2023/W-1859
Address	: Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 09.11.2023
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-70 63511804	Sampling Time : 11:45 AM
		Analysis Start Date : 11.11.2023
		Analysis complete Date : 21.11.2023
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	SEWAGE WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part I): 1987 (RA 2019), APHA 23 rd ed 2017	
# Location	NEAR CANTEN	

Sl. No.	Parameters	Unit	Result	Method Followed
1.	pH (at 23°C)	---	8.07	IS:3025(Part-11):1983 RA 2017, APHA 23 rd Edition 4500-H ⁺ B
2.	Total Suspended Solid (TSS)	mg/L	41.0	IS:3025 (Part-17): 1984 RA 2017, APHA 23 rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	53.2	APHA 23 rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	13.0	IS:3025 (Part-44):1993 RA 2019,
5.	Oil and Grease	mg/L	2.3	IS:3025 (Part-39): 1991 RA 2019/ APHA 23 rd Edition 5520B.

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Gohri
(Quality Manager)
Signatory Authority

Parbati Gohri
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note :
1. # Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India in front of customer representatives
 3. Sample submitted and identified by customer as: N.A.
 4. Test results shown in this test report relate only to the sample (s) only
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions
 6. The reproduction of the report except in full is invalid without written approval of the laboratory
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 20.11.2023	Report No: ICMLN/TC-214/2023	Format No: IC/FM/11/68	
Customer Name	M/s. RAMCO INDUSTRIES LTD.		
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharegpur, Paschim Medinipur.		
#Customer Representative Name & Contact No.	Mr. Taraknath Bose Mob. No. +91-7063511804		
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023		
#Sample Description	AMBIENT NOISE		
Sampling Method	By Digital Noise Meter		
Test Method	IS 9989:1981 (RA 2020)		
Monitoring Details:			
Height from the floor	1.5 M	Total Time (T)	15 Min
Distance of Source	3.0 M	Difference (dt)	2 Min

#Noise Source/ Location: NEAR MAIN GATE						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2023/N-1100	09.11.2023	10:05 AM	56.56	58.2	54.2	As per note

#Noise Source/ Location: NEAR STOCK YARD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2023/N-1101	09.11.2023	11:00 AM	60.96	62.8	59.4	As per note

#Noise Source/ Location: BACK SIDE OF THE PLANT						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2023/N-1102	09.11.2023	01:30 PM	59.67	61.3	58.3	As per note

#Noise Source/ Location: NEW SCRAP YARD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2023/N-1103	09.11.2023	02:00 PM	62.91	64.2	61.3	As per note

*Note:

NOISE STANDARD

Area Code	Category of Area/ Zone	Limits dB (A) Leq	
		Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Source: The Noise Pollution (Regulation & Control) Rules, 2000

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority
Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Sampling was done in front of customer's representative
Estimated Uncertainty: Not Required

- Note: 1. * Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India
3. Sample submitted and identified by customer as: N.A.
4. Test results shown in this test report relate only to the sample (s) only
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. Noise data was recorded at the customer site in presence of customer's representative.
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
8. The reproduction of the report except in full is invalid without written approval of the laboratory.
9. Location of Testing: Plant Site & Report was generated from Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 20.11.2023	Report No: ICHILN/TC-215/2023	Format No: ICI/FM/H/68	
Customer Name	M/s. RAMCO INDUSTRIES LTD.		
Address	Dewanmari, Ayma, P.O.-Harintara, P.S.-Kharagpur, Paschim Medinipur.		
#Customer Representative Name & Contact No.	Mr. Tarakanth Bose Mob. No. +91-7063511804		
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023		
#Sample Description	WORKZONE NOISE		
Sampling Method	By Digital Noise Meter		
Test Method	IS 4758:1968 (RA 2017)		
Monitoring Details:			
Height from the floor	1.5 M	Total Time (T)	18 Min
Distance of Source	3.0 M	Difference (dt)	2 Min

#Noise Source/ Location: NEAR BOD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2023/N-1104	09.11.2023	10:30 AM	77.37	78.6	75.4	As per note

#Noise Source/ Location: NEAR SF DRUM						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2023/N-1105	09.11.2023	11:30 AM	79.90	81.2	78.3	As per note

#Noise Source/ Location: NEAR CORRUGATION BOX						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2023/N-1106	09.11.2023	11:55 AM	79.07	80.8	77.3	As per note

#Noise Source/ Location: STRIPPING SECTION						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2023/N-1107	09.11.2023	12:30 PM	80.78	82.4	78.5	As per note

*Note:

OSHA's Permissible limit (PEL) is 90 dB (A) for all workers of an 8 Hour Day with 5 dB (A) exchange Rate
Indian Factory Act/1948 Permissible limit (PEL) is 90 dB (A) for all workers of an 8 Hour Day

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Sampling was done in front of customer's representative
Estimated Uncertainty: Not Required

- Note: 1. # Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India
3. Sample submitted and identified by customer as: N.A.
4. Test results shown in this test report relate only to the sample (s) only
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. Noise data was recorded at the customer site in presence of customer's representative.
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
8. The reproduction of the report except in full is invalid without written approval of the laboratory
9. Location of Testing: Plant Site & Report was generated from Haldia Laboratory

End of Report

Page 1 of 1



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & SPCB
Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO.: ENV/FM/3H

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewannara Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 06.12.2023
		Period of Analysis	: 09.12.2023 - 09.12.2023
		Date of Issue	: 11.12.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/17/Dec./A/I
		Report No.	: ENV/17/Dec./TR(A)/1/23-24
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Edge Runner Mill BOD (Bag Open Device & Slurry Mixing)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.30
Capacity	:	03 Ton/hr. (Running – 03 Ton/hr.)	Height of sampling port (mtr.) (from G.L.)	:	8.4
Emission Due to	:	Process Activity			
Fuel Used	:	N.A.	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	Bag Filter and Wet Scrubber			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 29.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.69	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 2875.14	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 1.81	2.0

Remarks : Limit as per CPCB (Emission Regulation Part IV : COINDS/26/1986-87).
: N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By :

Authorised Signatory :

Technical Manager

TEST REPORT

FORMAT NO - ENV/FM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 06.12.2023
		Period of Analysis	: 09.12.2023 - 09.12.2023
		Date of Issue	: 11.12.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/17/Dec./A/II
		Report No.	: ENV/17/Dec./TR(A)/II/23-24
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Cement & Fly Ash Feeding Section
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 10 Ton/hr. (Running Load - 06 Ton/hr.)
Emission Due to	: Process Activity (Feeding of Raw Materials)
Fuel Used	: N.A.
Working Fuel Consumption	: Nil
Pollution Control Device	: Bag Filter
Height of Stack (mtr.) (from G.L.)	: 15.0
Stack I.D. at sampling point (mtr.)	: 0.40
Height of sampling port (mtr.) (from G.L.)	: 8.40
Permanent Platform & Ladder	: Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part I)	: 32.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 10.37	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 4552.47	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 16.62	150.0

Remark : Limit as per CPCB (Emission Regulation Part IV : COINDS/26/1986-87).
: N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By :



Authorised Signatory :



Dr. B. K. SINGH
Technical Manager

ENVIROCHECK

Recognised by MoEF&CC, WPCB & JSPCB
Accredited by NAHL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO.: ENV/EM/38

Name of the Industry	Ramco Industries Ltd.	Type of Industry	Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	Vill. - Dewamara Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	06.12.2023
		Period of Analysis	09.12.2023 - 09.12.2023
		Date of Issue	11.12.2023
Sampling Plan & Procedure	ENV/SOP/01	Deviation from the Sampling Method and Plan	No
Sample Condition	Sealed	Sample ID No.	ENV/17/Dec./A/III
		Report No.	ENV/17/Dec./TR(A)/III/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	Pulverizer Section (No.1)	Height of Stack (mtr.) (from G. L.)	15.0
Shape of Stack	Circular	Stack I.D. at sampling point (mtr.)	0.254
Materials of Construction	M.S.	Height of sampling port (mtr.) (from G.L.)	4.572
Capacity	Rated - 02 Ton/hr. (Running - 02 Ton/hr.)		
Emission Due to	Process Activity (Pulverizing of Waste Sheet & Materials)	Permanent Platform & Ladder	Yes
Fuel Used	N.A.		
Working Fuel Consumption	Nil		
Pollution Control Device	Bag Filter		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part I)	30.0	N.A.
2.	Barometric Pressure	mm of Hg.	"	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	12.12	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	2158.12	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	1.85	2.0

Remarks : Limit as per CPCB (Emission Regulation Part IV : COINDS/26/1986-87).
N.A. means Not Available
Result relates only to the sample tested.

Reviewed By :

Authorised Signatory :

ENVIROCHECK
Dy. Quality Manager

Signature

TEST REPORT

FORMAT NO : ENV/EM/10

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 06.12.2023
		Period of Analysis	: 09.12.2023 - 09.12.2023
		Date of Issue	: 11.12.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/17/Dec./A/IV
		Report No.	: ENV/17/Dec./TR(A)/IV/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Diesel Generator
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 380 KVA
Emission Due to	: Combustion of H.S.D
Fuel Used	: H.S.D
Working Fuel Consumption	: 40 liter./hr.
Pollution Control Device	: Nil
Height of Stack (mtr.) (from G. L.)	: 12.50
Stack I.D. at sampling point (mtr.)	: 0.178
Height of sampling port (mtr.) (from G.L.)	: 8.40
Permanent Platform & Ladder	: Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 223.0	N.A.
2.	Barometric Pressure	mm of Hg	"	: 755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 15.93	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 852.86	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	: 51.44	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	: 8.2	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 : 2019	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 38.60	150.0

Remarks : Limit as per CPCB (Emission Regulation Part IV : COINDS/26/1986-87).
: N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By:

Authorised Signatory:

TEST REPORT

FORMAT NO.: ENV/FM/12

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 06.12.2023 - 07.12.2023
		Period of Analysis	: 09.12.2023 - 09.12.2023
		Date of Issue	: 11.12.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/17/Dec./A/V
		Report No.	: ENV/17/Dec./TR(A)/V/23-24

A) GENERAL INFORMATION

1. Location of Sampling : Near Main Gate
2. Duration of Sampling : 24 hrs. (08:00 a.m. - 08:00 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 18.5
2. Average Relative Humidity (%) : 48.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	49.58	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	86.20	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	7.31	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	29.96	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.42	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo [a] Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vo. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
Result relates only to the sample tested

Reviewed By:

[Signature]

Authorised Signatory:

[Signature]

TEST REPORT

FORMAT NO: ENV/EM/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 06.12.2023 - 07.12.2023
		Period of Analysis	: 09.12.2023 - 09.12.2023
		Date of Issue	: 11.12.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/17/Dec./A/VI
		Report No.	: ENV/17/Dec./TR(A)/VI/23-24

A) GENERAL INFORMATION

1. Location of Sampling : Near Stock Yard
2. Duration of Sampling : 24 hrs. (08:30 a.m. - 08:30 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 18.0
2. Average Relative Humidity (%) : 46.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	47.95	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	81.22	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	6.37	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	26.48	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.32	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo [a] Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
Result relates only to the sample tested.

Reviewed By:

Authorised Signatory:

Technical Manager

TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewannara Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 06.12.2023 - 07.12.2023
		Period of Analysis	: 09.12.2023 - 09.12.2023
		Date of Issue	: 11.12.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/17/Dec./A/VII
		Report No.	: ENV/17/Dec./TR(A)/VII/23-24

A) GENERAL INFORMATION

1. Location of Sampling : Near Scrap Yard
2. Duration of Sampling : 24 hrs. (09:00 a.m. - 09:00 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 19.0
2. Average Relative Humidity (%) : 50.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	47.08	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	76.83	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	6.61	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	24.96	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.26	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
Result relates only to the sample tested.

Reviewed By:

[Signature]

Authorised Signatory:

[Signature]

FORMAT NO: ENV/EM/37

A1 GENERAL INFORMATION

- R1 METEOROLOGICAL INFORMATION

- ## C) RESULTS

12.	Arsenic (As)	ng/m ³	EPA IO 3.6, 1999 & APHA 23 rd Ed 2017
Remarks	Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 16 th November, 2009. Result relates only to the sample tested		

Reviewed By :

Authorized Signatory: _____

<End of Report>

ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 06.12.2023
		Period of Analysis	: 09.12.2023 - 14.12.2023
		Date of Issue	: 15.12.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Location	: Septic Tank Outlet (Canteen Side)	Sample Condition	: Sealed
		Type of Sample	: Domestic Effluent Water (Grab)
		Sample ID No.	: ENV/11/Dec./W
Report No.	: ENV/11/Dec./TR(W)/23-24		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	4500 H*B APHA 23 rd Edition, 2017	--	6.95	5.5 - 9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	21.0	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	4.3	10.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	67.2	250.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	25.0	30.0

Remarks : a) Limit as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

b) Results relates only to the sample tested.

c) Sample collected by Envirocheck and sent to lab in sealed condition.

Reviewed By :

Authorised Signatory :

<End of Report>

Page 1 of 1

ENVIROCHECK

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Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 06.12.2023
		Period of Analysis	: 07.12.2023 - 15.12.2023
		Date of Issue	: 17.12.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Quality Control Lab	Sample Condition	: Sealed
		ULR No.	: TC601423000000846P

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500: 2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4) : 2021	Hazen	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5) : 2018	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11) : 2022	--	6.80	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 4) : 2021	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10) : 2017	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16) : 2017	mg./l	80.0	500.0	2000.0
7. Aluminium	IS 15302 : 2018	mg./l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40) : 2019	mg./l	8.0	75.0	200.0
9. Chloride	IS 3025 (Part 32) : 2019	mg./l	11.99	250.0	1000.0
10. Iron	IS 3025 (Part 53) : 2019	mg./l	0.08	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46) : 2019	mg./l	3.84	30.0	100.0
12. Manganese	IS 3025 (Part 59) : 2017	mg./l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34) : 2019	mg./l	1.50	45.0	No Relaxation
14. Sulfate	IS 3025 (Part 24) Sec. 1 : 2022	mg./l	16.50	200.0	400.0
15. Total Alkalinity	IS 3025 (Part 23) : 2019	mg./l	32.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21) : 2019	mg./l	36.0	200.0	600.0
17. Zinc	IS 3025 (Part 49) : 2019	mg./l	0.10	5.0	15.0
18. Mercury	IS 3025 (Part 48) : 2019	mg./l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37) : 2019	mg./l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52) : 2017	mg./l	<0.02	N.A.	N.A.
21. Silica	APHA 23rd Ed., 4500 SiO ₂ -C/F : 2017	mg./l	2.80	N.A.	N.A.

Remarks : a) Result shows that all parameters are within limit as per IS : 10500 - 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS:10500-2012 - Drinking Water Specification, Amendment No.1, June 2015.

d) Result relates only to the sample tested.

e) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

Reviewed By:

Authorised Signatory:

INDRANI BHATTACHARYA
Enviroment & Water
Enviroment & Water

ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 06.12.2023
		Period of Analysis	: 07.12.2023 - 08.12.2023
		Date of Issue	: 17.12.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Quality Control Lab	Sample Condition	: Sealed
		ULR No.	: TC601423000000846P

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500: 2012
1. Total Coliform	IS 15185 : 2021	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	IS 15185 : 2021	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample

Remarks : a) Result shows that all parameters are within limit as per IS 10500 : 2012. (<1.0 Indicates "Absent", No Colony Developed i.e. No Coliform Found).

b) CFU Indicates Colony Forming Unit.

c) Result relates only to the sample tested.

d) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

Reviewed By :

Authorised Signatory :

PRIYANKA MUKHERJEE
Technical Manager, Microbiology

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 06.12.2023
		Period of Analysis	: 07.12.2023 - 15.12.2023
		Date of Issue	: 17.12.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Location	: Tap of Guest House	Sample Condition	: Sealed
		ULR No.	: TC601423000000847P
		Type of Sample	: Drinking Water

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4) : 2021	Hazen	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5) : 2018	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11) : 2022	--	6.92	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 4) : 2021	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10) : 2017	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16) : 2017	mg./l	108.0	500.0	2000.0
7. Aluminium	IS 15302 : 2018	mg./l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40) : 2019	mg./l	12.82	75.0	200.0
9. Chloride	IS 3025 (Part 32) : 2019	mg./l	9.99	250.0	1000.0
10. Iron	IS 3025 (Part 53) : 2019	mg./l	0.07	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46) : 2019	mg./l	2.88	30.0	100.0
12. Manganese	IS 3025 (Part 59) : 2017	mg./l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34) : 2019	mg./l	1.80	45.0	No Relaxation
14. Sulfate	IS 3025 (Part 24) Sec. 1 : 2022	mg./l	14.20	200.0	400.0
15. Total Alkalinity	IS 3025 (Part 23) : 2019	mg./l	36.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21) : 2019	mg./l	44.0	200.0	600.0
17. Zinc	IS 3025 (Part 49) : 2019	mg./l	0.12	5.0	15.0
18. Mercury	IS 3025 (Part 48) : 2019	mg./l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37) : 2019	mg./l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52) : 2017	mg./l	<0.02	N.A.	N.A.
21. Silica	APHA 23rd Ed., 4500 SiO ₂ -C/F : 2017	mg./l	3.10	N.A.	N.A.

Remarks: a) Result shows that all parameters are within limit as per IS : 10500 - 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS:10500-2012 - Drinking Water Specification, Amendment No.1, June 2015.

d) Result relates only to the sample tested.

e) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

Reviewed By:

Authorised Signatory:

INDRANI BHATTACHARYA
DIRECTOR (QA/QC)

ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 06.12.2023
		Period of Analysis	: 07.12.2023 - 08.12.2023
		Date of Issue	: 17.12.2023
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Guest House	Sample Condition	: Sealed
		ULR No.	: TC601423000000847P

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500:2012
1. Total Coliform	IS 15185 : 2021	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	IS 15185 : 2021	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample

Remarks : a) Result shows that all parameters are within limit as per IS 10500 : 2012. (<1.0 indicates "Absent", No Colony Developed i.e. No Coliform Found).

b) CFU indicates Colony Forming Unit.

c) Result relates only to the sample tested.

d) Sample collected by Envirocheck and sent to lab in sealed condition.

Reviewed By:

By: Quality Manager

Authorised Signatory:

PRIYANKA MUKHERJEE
Technical Manager, Microbiology

<End of Report>



TEST REPORT

Date: 25.01.2024	Report No: ICI/HL/A/PTC-041/2024	Format No: ICI/FM/II/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmura, Ayma, P.O. Haranata, P.S. Khampur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Mr. Tanaknath Bose Mob. No. +91-7063511804	Sampling Time
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis Start Date
#Sample Description	STACK AIR	Analysis complete Date
#Location	D.G. SET (750 KVA)	
Sample Condition	In Glass Microfiber Thimble & Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III)	

A. # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	Circular
Stack attached to	D.G. SET (750 KVA)	Material of Construction	MLS
Emission due to	Combustion of H.S.D	Stack ID at sampling point (M)	0.20
Fuel Used	H.S.D	At Bottom (M)	-
Rated Fuel Consumption	145 Lit/Hr.	At Top (M)	0.20
Working Fuel Consumption	145 Lit/Hr.	Height Details:	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	16.00
Sulphur Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt)	-	c) Ht. of sampling port from GL(M)	8.40
Pollution Control Device	Nil	d) Ht. of port from disturbance zone (M)	-
Whether Stack is provided with permanent Platform / Ladder	Yes		

B. PHYSICAL DATA:

Flue Gas Temperature (°C)	180	Steam Generation Capacity:	
Barometric Pressure (mm Hg)	756	a) Rated	-
Velocity of Gas flow (m/s)	14.18	b) Running	-
Quantity of Gas flow (Nm³/hr)	1030.72	Load:	
Pressure	-	a) Rated	750 KVA
		b) Running	750 KVA

C. RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	57.0	IS 11255 (Part-1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03	Sulphur di-oxide (mg/ Nm³)	-	
04	Oxides of Nitrogen (as NOx)-(mg/m³)	101.70	IS 11255 (Part-2): 1985 (RA 2019)
05	Carbon mono oxide (as CO)- % (V/V)	138.08	IS 11255 (Part-7): 2005 (RA 2017)
06	Carbon di oxide (as CO₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
		6.6	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority
Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-27 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 25.01.2024	Report No: ICI/IL/PTC-042/2024	Format No: ICI/FM/11/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-042
Address	Dewanmura, Ayma, P.O.-Hiristara, P.S.-Khatragpur, Paschim Medinipur, PIN - 721304	Sampling Date : 13.01.2024
#Customer Representative Name & Contact Number	Mr. Tarakanath Bose Mob. No. +91-7063511804	Sampling Time : 03:30 PM
#Work Order No.	KHG/PO/0020/23-24, Dtd. 07.04.2023	Analysis Start Date : 16.01.2024
#Sample Description	STACK AIR	Analysis complete Date : 17.01.2024
#Location	PULVERIZER SECTION	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	Circular
Stack attached to	PULVERIZER SECTION	Material of Construction	M.S
Emission due to Fuel Used	Process Activity	Stack ID at sampling point (M)	0.26
Rated Fuel Consumption	-	At Bottom (M)	-
Working Fuel Consumption	-	At Top (M)	-
Calorific Value(Kcal/kg)	-	Height Details:	
Sulphur Content (% by Wt)	-	a) Total Ht. Of stack from GL(M)	15.00
Ash Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Pollution Control Device	Bag Filter	c) Ht. of sampling port from GL(M)	6.70
Whether Stack is provided with permanent Platform / Ladder:	Yes	d) Ht. of port from disturbance zone (M)	-

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	35	Steam Generation Capacity:	
Barometric Pressure(mm Hg)	756	a) Rated	-
Velocity of Gas flow (m/s)	7.96	b) Running	-
Quantity of Gas flow (Nm ³ /hr)	1465.18	Load: a) Rated	-
Pressure	-	b) Running	1 Ton/Hr.

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	1.8	IS 11255 (Part -I). 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-	
03.	Carbon mono oxide (as CO)-% (V/V)	<0.2	IS 13270.1992 (RA 2019)
04.	Carbon di oxide (as CO ₂)-% (V/V)	<0.2	IS 13270.1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golu
(Quality Manager)
Signatory Authority
Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-28 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 25.01.2024	Report No: ICI/IL/A/PTC-043/2024	Format No: ICI/FM/H/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-043
Address	Devsanmara, Ayma, P.O. Harinara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 13.01.2024
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 10:05 AM Analysis Start Date : 16.01.2024
#Work Order No.	KHG/POR/0030/23-24, Dtd. 07.04.2023	Analysis complete Date : 17.01.2024
#Sample Description	STACK AIR	
#Location	EDGE RUNNER MILL BOD & SLURRY MIXING	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CFCB, Emission Regulation (Part II)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	EDGE RUNNER MILL BOD & SLURRY MIXING	Shape of Stack	Circular
Stack attached to	Process Activity	Material of Construction	MS
Emission due to		Stack ID at sampling point (M)	0.30
Fuel Used		At Bottom (M)	-
Rated Fuel Consumption		At Top (M)	0.30
Working Fuel Consumption		Height Details :	
Calorific Value(Kcal/kg)		a) Total Ht. Of stack from GL(M)	15.0
Sulphur Content (% by Wt)		b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt.)		c) Ht. of sampling port from GL(M)	8.40
Pollution Control Device	BAG FILTER & WET SCRUBBER	d) Ht. of port from disturbance zone (M)	-
Whether Stack is provided with permanent Platform / Ladder:	Yes		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	33	Steam Generation Capacity:	
Barometric Pressure,(mm Hg)	756	a) Rated	-
Velocity of Gas flow (m/s)	8.71	b) Running	-
Quantity of Gas flow (Nm ³ /hr)	2117.89	Load a) Rated	-
Pressure	-	b) Running	1 Ton/Hr.

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	1.6	IS 11255 (Part -I): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-	
03.	Carbon mono oxide (as CO)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO ₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory AuthorityTest Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not RequiredParbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-29 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 25.01.2024	Report No: IC/HLA/PTC-044/2024	Format No: IC/FMH/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-044
Address	Dewanmari, Ayra, P.O. - Harinara, P.S. - Khamagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 13.01.2024
#Customer Representative Name & Contact Number	Mr. Tanukath Bose Mob. No. +91-7063511804	Sampling Time : 11:10 AM
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis Start Date : 16.01.2024
#Sample Description	STACK AIR	Analysis complete Date : 17.01.2024
#Location	CEMENT & FLY ASH FEEDING SECTION	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	Shape of Stack	Circular
Stack attached to	Material of Construction	MS
Emission due to	Stack ID at sampling point (M)	0.40
Fuel Used	At Bottom (M)	-
Rated Fuel Consumption	At Top (M)	0.40
Working Fuel Consumption	Height Details:	
Calorific Value(Kcal/kg)	a) Total Ht. Of stack from GL(M)	15.00
Sulphur Content (% by Wt)	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt.)	c) Ht. of sampling port from GL(M)	8.40
Pollution Control Device	d) Ht. of port from disturbance zone (M)	-
Whether Stack is provided with permanent Platform / Ladder	Yes	

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 32	Steam Generation Capacity:	
Barometric Pressure (mm Hg)	: 756	a) Rated	: -
Velocity of Gas flow (m/s)	: 9.15	b) Running	: -
Quantity of Gas flow (Nm³/hr)	: 4025.28	Load:	
Pressure	: -	a) Rated	: -
		b) Running	: 10 Ton/Hr.

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm ³)	1.5	IS 11255 (Part -1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-	
03	Carbon mono oxide (as CO ₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
04	Carbon di oxide (as CO ₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Gohui
(Quality Manager)
Signatory AuthorityTest Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not RequiredParbati Gohui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-39 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 25.01.2024	Report No: ICI/HL/A/RN-031/2024	Format No: ICI/FM/ID/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No +91-7063511804	Analysis Start Date
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis complete Date
#Sample Description	AMBIENT AIR	
#Location	NEAR MAIN GATE	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3rd Edition, CPCB Guideline (Vol - 1)	
Test Specification	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			09:15 AM to 05:15 PM	05:30 PM to 01:30 AM	01:45 AM to 09:45 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	87.28	102.72	94.61	94.87	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	34.96	42.94	39.34	39.08	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	19.26	21.28	18.24	19.59	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	43.75	49.00	42.00	44.92	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	42.1	-	-	42.1	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.2941	0.3572	0.4170	0.3561	NDIR Method
10.	Benzo(a)pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	17.0	12.0	11.0	13.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀= 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO_x=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis, Carbon mono oxide=2 mg/m³, O₃=160 µg/m³, 8 hours basis, Benzene=5 µg/m³, Benzo(a)pyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=20 ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

Prepared By: N. Pramanik

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note:

1. Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India.
3. Sample submitted and identified by customer as: NA
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9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 25.01.2024	Report No: ICI/BLA/RN-032/2024	Format No: ICI/FM/IL/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmura, Ayma, P.O.-Haratara, P.S.-Khatagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Analysis Start Date
#Work Order No.	KHG/TOR/0020/23-24, Dtd. 07.04.2023	Analysis complete Date
#Sample Description	AMBIENT AIR	
#Location	NEAR SCRAP YARD	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	
Test Specification	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 th November 2009	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			09:30 AM to 05:30 PM	05:45 PM to 01:45 AM	02:00 AM to 10:00 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	81.34	90.12	86.50	85.99	IS 5182 (Part - 23):2006 (RA 2017)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	32.02	39.19	33.21	34.81	IS 5182 (Part - 24):2019
3	Sulphur Dioxide (SO ₂)	µg / m ³	16.22	20.27	17.23	17.91	IS 5182 (Part - 2):2001 (RA 2017)
4	Oxides of Nitrogen (NO _x)	µg / m ³	44.63	47.25	42.88	44.92	IS 5182 (Part - 6):2006 (RA 2017)
5	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8	Ozone (O ₃)	µg / m ³	40.9	-	-	40.9	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9	Carbon Monoxide (CO)	mg / m ³	0.2903	0.3566	0.4057	0.3509	NDIR Method
10	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13	Ambient Temperature (Average)	°C	17.0	12.0	12.0	14.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀=100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO_x=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis, Carbon monoxide=2 mg/m³, O₃=100 µg/m³, 8 hours basis, Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic=6 ng/m³, Nickel=20 ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note:

- Information provided by customer.
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
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- Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602
Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshwala, Kolkata-700142, Mob. : 7797245819, 7797506970
WEBSITE



TEST REPORT

Date: 25.01.2024	Report No: ICI/HLA/RN-033/2024	Format No: ICI/FM/IL/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/AC-033
Address	Dewanmura, Ayma, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 13.01.2024 to 14.01.2024
#Customer Representative Name & Contact Number	Mr. Tanaknath Bose Mob. No. +91-7063511804	Analysis Start Date : 16.01.2024
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis complete Date : 19.01.2024
#Sample Description	AMBIENT AIR	
#Location	NEAR STOCK YARD	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			09:45 AM to 05:45 PM	06:00 PM to 02:00 AM	02:15 AM to 10:15 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	85.54	96.42	89.29	90.42	IS 5182 (Part - 23):2006 (RA 2017)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	34.18	40.67	36.84	37.23	IS 5182 (Part - 24):2019
3	Sulphur Dioxide (SO ₂)	µg / m ³	18.24	19.26	16.22	17.91	IS 5182 (Part - 2):2001 (RA 2017)
4	Oxides of Nitrogen (NO _x)	µg / m ³	42.00	44.63	40.25	42.29	IS 5182 (Part - 6):2006 (RA 2017)
5	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8	Ozone (O ₃)	µg / m ³	39.1	-	-	39.1	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9	Carbon Monoxide (CO)	mg / m ³	0.2867	0.3507	0.3911	0.3426	NDIR Method
10	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13	Ambient Temperature (Average)	°C	17.0	12.0	12.0	14.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀= 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO_x=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis, Carbon mono oxide=2 mg/m³, O₃=100µg/m³ 8hours basis, Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=20ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi. Notification dated 18th November 2009

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note:

- Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
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- Location of Testing: Haldia Laboratory

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

End of Report

Page 1 of 1



TEST REPORT

Date: 25.01.2024	Report No: ICI/HLA/RN-034/2024	Format No: ICI/FM/II/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/AC-034
Address	Dewanmari, Aynia, P.O.-Haritana, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 13.01.2024 to 14.01.2024
#Customer Representative Name & Contact Number	Mr. Tarakanth Bose Mob. No. +91-7063511804	Analysis Start Date : 16.01.2024
#Work Order No.	KHG/POR/0020/23-24, Dtd 07.04.2023	Analysis complete Date : 19.01.2024
#Sample Description	AMBIENT AIR	
#Location	BACK SIDE OF THE PLANT	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:00 AM to 06:00 PM	06:15 PM to 02:15 AM	02:30 AM to 10:30 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	84.65	92.42	88.45	88.51	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	33.29	41.88	36.07	37.08	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	18.24	20.27	16.22	18.24	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	42.60	45.50	41.13	42.88	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	40.3	-	-	40.3	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.2889	0.3507	0.4011	0.3469	NDIR Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	17.0	12.0	13.0	14.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀= 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO_x=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis, Carbon monoxide=2 mg/m³, O₃=160 µg/m³, 8 hours basis, Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=10ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note:

1. Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India
3. Sample submitted and identified by customer as: NA
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8. Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 25.01.2024	Report No: ICI/HL/W/RN-0041/2024	Format No: ICI/FM/IL/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/W-0041
Address	Dewanmuro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 13.01.2024
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 12:30 PM
		Analysis Start Date : 15.01.2024
		Analysis complete Date : 22.01.2024
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	DRINKING WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part I): 1987 (RA 2019), APHA 23rd Ed 2017	
# Location	INSIDE OF THE PLANT	
Material Specification	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):2018 APHA 23 rd Edition 2150 B
2.	pH (at 20°C)	-	6.53	6.5 to 8.5	No Relaxation	IS:3025(Part-11):1983; RA 2017, APHA 23 rd Edition 4500-H ⁺ B
3.	Colour	Hazen Unit	<5.0	5	15	IS:3025(Part-4):1983; RA 2017
4.	Conductivity	µS/cm	129.2	-	-	IS:3025(Part-14):1984; RA 2019 APHA 23 rd Edition 2510 B
5.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10):1984; RA 2017 APHA 23 rd Edition 2130 B
6.	Total Dissolved Solid (TDS)	mg/L	104.0	500 (Max)	2000 (Max)	IS:3025(Part-16):1984; RA 2017 APHA 23 rd Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
7.	Total Hardness (as CaCO ₃)	mg/L	59.6	200 (Max)	600 (Max)	IS:3025(Part-21):2009; RA 2019 APHA 23 rd Edition 2340 C
8.	Ca Hardness (as CaCO ₃)	mg/L	39.7	-	-	APHA 23 rd Edition 2340 C
9.	Mg Hardness (as CaCO ₃)	mg/L	19.9	-	-	APHA 23 rd Edition 2340 C
10.	Calcium (as Ca)	mg/L	15.9	75 (Max)	200 (Max)	IS:3025(Part-40):1991; RA 2014 APHA 23 rd Edition 3500Ca B
11.	Magnesium (as Mg)	mg/L	4.8	30 (Max)	100 (Max)	IS:3025(Part-46):1994; RA 2019 APHA 23 rd Edition 3500Mg D
12.	Chloride (as Cl)	mg/L	18.0	250 (Max)	1000 (Max)	IS:3025(Part-32):1988; RA 2019 APHA 23 rd Edition 4500Cl ⁻ B
13.	Total Alkalinity (as CaCO ₃)	mg/L	39.9	200 (Max)	600 (Max)	IS:3025(Part-23):1988; RA 2019 APHA 23 rd Edition 2320 B
14.	P-Alkalinity (as CaCO ₃)	mg/L	Nil	-	-	APHA 23 rd Edition 2320B
15.	M-Alkalinity (as CaCO ₃)	mg/L	39.9	-	-	APHA 23 rd Edition 2320B
16.	Iron (as Fe)	mg/L	0.15	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003; RA 2019 APHA 23 rd Edition 3500-Fe B
17.	Phosphate (as P)	mg/L	<0.02	-	-	APHA 23 rd Edition 4500P D
18.	Fluoride (as F)	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008; RA 2019 APHA 23 rd Edition 4500 FD

Page: 1 of 2

Parbati Goidi
Quality Manager
INDICATIVE CONSULTANT INDIA



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



EMAIL :indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 25.01.2024	Report No: ICI/HL/W/RN-0041/2024	Format No: ICI/FM/HL/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/W-0041
Address	Deswamuro, Aynia, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 13.01.2024
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 12:30 PM Analysis Start Date : 15.01.2024 Analysis complete Date : 22.01.2024
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	DRINKING WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part I): 1987 (RA 2019), APHA 23 rd ed 2017	
# Location	INSIDE OF THE PLANT	
Material Specification	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
19.	Appearance	-	Clear	-	-	Visual
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
20.	Sulfate (as SO ₄)	mg/L	8.0	200 (Max)	400 (Max)	IS:3025(Part-24):1986, RA 2019 APHA 23 rd Edition 4500 SO ₄ ²⁻ E
21.	Silica (as SiO ₂)	mg/L	2.5	-	-	IS 3025(Part-35):1988, RA 2019 APHA 23 rd Edition 4500 SiO ₂ -C
22.	Manganese (as Mn)	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 23 rd Edition 3111 B
PARAMETERS CONCERNING TOXIC SUBSTANCES						
23.	Arsenic (as As)	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 23 rd Edition 3500As B
BACTERIOLOGICAL PARAMETERS						
24.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS- 1622:1981 (RA 2019)
25.	E. Coli	CFLU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS- 1622:1981 (RA 2019)
LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml)						
Remarks:						
1) Chemical test Parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012						
2) Bacteriological test parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012						

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
- Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India
 - Sample numbered and identified by customer as: N/A.
 - Test results shown in this test report relate only to the sample (s) only
 - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 - The reproduction of the report except in full is invalid without written approval of the laboratory.
 - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 - Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
 - Location of Testing: Haldia Laboratory

End of Report

Page 2 of 2



TEST REPORT

Date: 25.01.2024	Report No: ICI/HL/W/RN-0042/2024	Format No: ICI/EM/H/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmuro, Ayima, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis Start Date
#Sample Description	DRINKING WATER	Analysis complete Date
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part I): 1987 (RA 2019), APHA 23 rd ed 2017	
# Location	GUEST HOUSE	
Material Specification	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):2018 APHA 23 rd Edition 2150 B
2.	pH (at 20°C)	-	6.57	6.5 to 8.5	No Relaxation	IS:3025(Part-11):1983; RA 2017, APHA 23 rd Edition 4500-H ⁺ B
3.	Colour	Hazen Unit	<5.0	5	15	IS:3025(Part-4):1983; RA 2017
4.	Conductivity	µS/cm	122.4	-	-	IS:3025(Part-14):1984; RA 2019 APHA 23 rd Edition 2510 B
5.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10):1984; RA 2017 APHA 23 rd Edition 2130 B
6.	Total Dissolved Solid (TDS)	mg/L	100.0	500 (Max)	2000 (Max)	IS:3025(Part-16):1984; RA 2017 APHA 23 rd Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
7.	Total Hardness (as CaCO ₃)	mg/L	49.6	200 (Max)	600 (Max)	IS:3025(Part-21):2009; RA 2019 APHA 23 rd Edition 2340 C
8.	Ca Hardness (as CaCO ₃)	mg/L	34.7	-	-	APHA 23 rd Edition 2340 C
9.	Mg Hardness (as CaCO ₃)	mg/L	14.9	-	-	APHA 23 rd Edition 2340 C
10.	Calcium (as Ca)	mg/L	13.9	75 (Max)	200 (Max)	IS:3025(Part-40):1991; RA 2014 APHA 23 rd Edition 3500Ca B
11.	Magnesium (as Mg)	mg/L	3.6	30 (Max)	100 (Max)	IS:3025(Part-46):1994; RA 2019 APHA 23 rd Edition 3500Mg B
12.	Chloride (as Cl)	mg/L	15.0	250 (Max)	1000 (Max)	IS:3025(Part-32):1988; RA 2019 APHA 23 rd Edition 4500Cl B
13.	Total Alkalinity (as CaCO ₃)	mg/L	39.9	200 (Max)	600 (Max)	IS:3025(Part-23):1985; RA 2019 APHA 23 rd Edition 2320 B
14.	P-Alkalinity (as CaCO ₃)	mg/L	Nil	-	-	APHA 23 rd Edition 2320B
15.	M-Alkalinity (as CaCO ₃)	mg/L	39.9	-	-	APHA 23 rd Edition 2320B
16.	Iron (as Fe)	mg/L	0.14	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003; RA 2019 APHA 23 rd Edition 3500-Fe B
17.	Phosphate (as P)	mg/L	<0.02	-	-	APHA 23 rd Edition 4500P D
18.	Fluoride (as F)	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008; RA 2019 APHA 23 rd Edition 4500 FD

Page: 1 of 2

Parbati Gdoui
Quality Manager
INDICATIVE CONSULTANT INDIA



TEST REPORT

Date: 25.01.2024	Report No: ICI/HL/W/RN-0042/2024	Format No: ICI/FM/IL/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date
#Customer Representative Name & Contact Number	Mr. Tarakanath Bose Mob. No. +91-7063511804	Sampling Time
		Analysis Start Date
		Analysis complete Date
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	DRINKING WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part I): 1987 (RA 2019), APHA 23 rd ed 2017	
# Location	GUEST HOUSE	
Material Specification	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
19.	Appearance	-	Clear	-	-	Visual
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
20.	Sulfate (as SO ₄)	mg/L	10.5	200 (Max)	400 (Max)	IS:3025(Part-24) 1986; RA 2019 APHA 23 rd Edition 4500 SO ₄ ² E
21.	Silica (as SiO ₂)	mg/L	2.3	-	-	IS:3025(Part-35) 1988, RA 2019 APHA 23 rd Edition 4500 SiO ₂ C
22.	Manganese (as Mn)	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 23 rd Edition 3111 B
PARAMETERS CONCERNING TOXIC SUBSTANCES						
23.	Arsenic (as As)	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 23 rd Edition 3500As B
BACTERIOLOGICAL PARAMETERS						
24.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
25.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)

LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml)

Remarks:

- 1) Chemical test Parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012
- 2) Bacteriological test parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Note:

1. # Information provided by customer
2. Sample is drawn by M/s Indicative Consultant India
3. Sample submitted and identified by customer as: N.A.
4. Test results shown in this test report relate only to the sample (s) only
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions
6. The reproduction of the report except in full is invalid without written approval of the laboratory
7. Once served, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
9. Location of Testing: Haldia Laboratory

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

-----End of Report-----

Page 2 of 2



TEST REPORT

Date: 25.01.2024	Report No: ICI/HL/W/RN-0043/2024	Format No: ICI/FM/IL/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/W-0043
Address	Dewanmuro, Ayma, P.O.-Hariotara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 13.01.2024
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-70 63511804	Sampling Time : 03:10 PM
		Analysis Start Date : 15.01.2024
		Analysis complete Date : 22.01.2024
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	SEWAGE WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part I): 1987 (RA 2019), APHA 23 rd ed 2017	
# Location	NEAR GARDEN	

Sl. No.	Parameters	Unit	Result	Method Followed
1.	pH (at 20°C)	---	6.46	IS:3025(Part-11):1983 : RA 2017, APHA 23 rd Edition 4500-H ⁺ B
2.	Total Suspended Solid (TSS)	mg/L	60.0	IS:3025 (Part-17): 1984: RA 2017, APHA 23 rd Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	37.7	APHA 23 rd Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	9.03	IS:3025 (Part-44):1993: RA 2019,
5.	Oil and Grease	mg/L	2.4	IS:3025 (Part-39): 1991: RA 2019/ APHA 23 rd Edition 5520B.

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India in front of customer representatives
 3. Sample submitted and identified by customer as: N.A.
 4. Test results shown in this test report relate only to the sample (s) only
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Water) is 10 days from the date of issue of test reports unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 25.01.2024	Report No: ICI/HL/N/TC-006/2024	Format No: ICI/FM/IE/68
Customer Name	M/s. RAMCO INDUSTRIES LTD.	
Address	Dewanmari, Ayms, P.O.-Hariatam, P.S.-Kharagpur, Paschim Medinipur.	
#Customer Representative Name & Contact No.	Mr. Tanukrati Bose Mob. No. +91-7063511804	
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	WORKZONE NOISE	
Sampling Method	By Digital Noise Meter	
Test Method	IS 4758:1958 (RA 2017)	
Monitoring Details:		
Height from the floor	1.5 M	Total Time (T) : 18 Min
Distance of Source	3.0 M	Difference (dI) : 2 Min

#Noise Source/ Location: NEAR BOD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-020	13.01.2024	10:30 AM	77.26	79.2	75.8	As per note

#Noise Source/ Location: NEAR SF DRUM						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-021	13.01.2024	11:00 AM	79.61	81.2	77.3	As per note

#Noise Source/ Location: NEAR CORRUGATION BOX						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-022	13.01.2024	11:50 AM	80.43	82.2	78.4	As per note

#Noise Source/ Location: STRIPPING SECTION						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-023	13.01.2024	12:40 PM	80.29	81.6	78.3	As per note

*Note:

OSHA's Permissible limit (PEL) is 90 dB (A) for all workers of an 8 Hour Day with 5 dB (A) exchange Rate
Indian Factory Act'1948 Permissible limit (PEL) is 90 dB (A) for all workers of an 8 Hour Day

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Kaurdal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority
Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Sampling was done in front of customer's representative
Estimated Uncertainty: Not Required

- Note : 1. * Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India
3. Sample submitted and identified by customer as: N.A.
4. Test results shown in this test report relate only to the sample (s) only.
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. Noise data was recorded at the customer site in presence of customer's representative.
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
8. The reproduction of the report except in full is invalid without written approval of the laboratory
9. Location of Testing: Plant Site & Report was generated from Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 25.01.2024	Report No: ICI/HL/N/TC-007/2024	Format No: ICI/FM/H/68	
Customer Name	M/s. RAMCO INDUSTRIES LTD.		
Address	Dewanmura, Ayra, P.O.-Haritara, P.S.-Khamrapur, Paschim Medinipur.		
#Customer Representative Name & Contact No.	Mr. Tariknath Bose Mob. No. +91-7062511804		
#Work Order No.	KHG/POR/10020/23-24, Dtd. 07.04.2023		
#Sample Description	AMBIENT NOISE		
Sampling Method	By Digital Noise Meter		
Test Method	IS 9989:1981 (RA 2020)		
Monitoring Details:			
Height from the floor	1.5 M	Total Time (T)	18 Min
Distance of Source	3.0 M	Difference (dt)	2 Min

#Noise Source/ Location: NEAR MAIN GATE						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-024	13.01.2024	10:00 AM	55.68	57.3	53.8	As per note

#Noise Source/ Location: NEAR STOCK YARD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-025	13.01.2024	11:25 AM	59.78	61.3	58.4	As per note

#Noise Source/ Location: BACK SIDE OF THE PLANT						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-026	13.01.2024	03:00 PM	57.27	58.2	56.4	As per note

#Noise Source/ Location: NEW SCRAP YARD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-027	13.01.2024	02:30 PM	62.29	64.2	60.9	As per note

*Note:

NOISE STANDARD

Area Code	Category of Area/ Zone	Limits dB (A) Leq	
		Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Source: The Noise Pollution (Regulation & Control) Rules, 2000

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority
Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Sampling was done in front of customer's representative
Estimated Uncertainty: Not Required

- Note: 1. Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India
3. Sample submitted and identified by customer as: N.A.
4. Test results shown in this test report relate only to the sample (s) only
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. Noise data was recorded at the customer site in presence of customer's representative.
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
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9. Location of Testing: Plant Site & Report was generated from Haldia Laboratory

End of Report

Page 1 of 1



ENVIROCHECK

Recognised by MoEF&CC, WRPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.02.2024
		Period of Analysis	: 10.02.2024 - 12.02.2024
		Date of Issue	: 14.02.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/Feb./A/1
		Report No.	: ENV/16/Feb./TR(A)/I/23-24
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Edge Runner Mill BOD (Bag Open Device & Slurry Mixing)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.30
Capacity	:	03 Ton/hr. (Running - 03 Ton/hr.)	Height of sampling port (mtr.) (from G.L.)	:	8.4
Emission Due to	:	Process Activity			
Fuel Used	:	N.A.	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	Bag Filter and Wet Scrubber			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 33.0	N.A.
2.	Barometric Pressure	mm of Hg	--	: 757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 10.58	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 2546.09	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 1.80	2.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By :

Dy. Quality Manager

Authorised Signatory :

Dy. Quality Manager

TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.02.2024
		Period of Analysis	: 10.02.2024 - 12.02.2024
		Date of Issue	: 14.02.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/Feb./A/II
		Report No.	: ENV/16/Feb./TR(A)/II/23-24
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Cement & Fly Ash Feeding Section
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 10 Ton/hr. (Running Load - 10 Ton/hr.)
Emission Due to	: Process Activity (Feeding of Raw Materials)
Fuel Used	: N.A.
Working Fuel Consumption	: Nil
Pollution Control Device	: Bag Filter
	Permanent Platform & Ladder : Yes

B. RESULTS

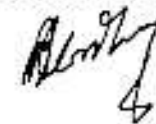
SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	$^{\circ}\text{C}$	IS : 11255 (Part 1)	: 35.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 10.74	N.A.
4.	Quantity of Gas flow	$\text{Nm}^3/\text{hr.}$	IS : 11255 (Part III)	: 4676.95	N.A.
5.	Concentration of Particulate Matter	mg/Nm^3	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 16.55	150.0

Remarks : Limit as per CPCB (Emission Regulation Part IV : COINDS/26/1986-87).
: N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By :



Authorised Signatory :



Technical Manager

TEST REPORT

FORMAT NO.: ENV/EM/39

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.02.2024
		Period of Analysis	: 10.02.2024 - 12.02.2024
		Date of Issue	: 14.02.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/Feb./A/III
		Report No.	: ENV/16/Feb./TR(A)/III/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Pulverizer Section (No.1)
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: Rated - 02 Ton/hr. (Running - 02 Ton/hr.)
Emission Due to	: Process Activity (Pulverizing of Waste Sheet & Materials)
Fuel Used	: N.A.
Working Fuel Consumption	: Nil
Pollution Control Device	: Bag Filter

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 34.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS : 11255 (Part 2)	: 757.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.67	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 2053.92	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 [Vol.11.07] : 2017	: 1.71	2.0

Remarks : Limit as per CPCB [Emission Regulation Part IV : COINDS/26/1986-87].
: N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By :

Authorised Signatory :

TEST REPORT

FORMAT NO: ENV/FM/TR

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanamro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.02.2024
		Period of Analysis	: 10.02.2024 - 12.02.2024
		Date of Issue	: 14.02.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/Feb./A/IV
		Report No.	: ENV/16/Feb./TR(A)/IV/23-24

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Diesel Generator	Height of Stack (mtr.) (from G. L.)	: 12.50
Shape of Stack	: Circular	Stack I.D. at sampling point (mtr.)	: 0.178
Materials of Construction	: M.S.	Height of sampling port (mtr.) (from G.L.)	: 8.40
Capacity	: 380 KVA		
Emission Due to	: Combustion of H.S.D	Permanent Platform & Ladder	: Yes
Fuel Used	: H.S.D		
Working Fuel Consumption	: 40 ltr./hr.		
Pollution Control Device	: Nil		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS: 11255 (Part 1)	216.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS: 11255 (Part 3)	757.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part III)	16.38	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS 11255 (Part 2): 2019	889.40	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 13270: 2019	61.22	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270: 2019	7.4	N.A.
7.	Concentration of CO	% (v/v)	IS 11255 (Part - 1): 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec. 11 (Vol.11.07): 2017	<1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³		46.20	150.0

Remarks : Limit as per CPCB (Emission Regulation Part IV: COINDS/26/1986-87).
: N.A. means Not Available.

Reviewed By:

Authorised Signatory:

ENVIRONMENTAL LABORATORY
23, Gandhi Road, New Delhi

ENVIRONMENTAL LABORATORY
23, Gandhi Road, New Delhi

TEST REPORT

FORMAT NO: ENV/FM/32

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewannaro Aynia, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.02.2024 - 09.02.2024
		Period of Analysis	: 10.02.2024 - 12.02.2024
		Date of Issue	: 14.02.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/Feb./A/V
		Report No.	: ENV/16/Feb./TR(A)/V/23-24

A] GENERAL INFORMATION

1. Location of Sampling : Near Main Gate
2. Duration of Sampling : 24 hrs. (09:00 a.m. - 09:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 26.0
2. Average Relative Humidity (%) : 64.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

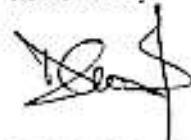
C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	45.92	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	81.52	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	8.50	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	33.50	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.42	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 16th November, 2009.

: Result relates only to the sample tested.

Reviewed By :



Authorised Signatory :



Technical Manager

TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmoro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.02.2024 - 09.02.2024
		Period of Analysis	: 10.02.2024 - 12.02.2024
		Date of Issue	: 14.02.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/Feb./A/V
		Report No.	: ENV/16/Feb./TR(A)/V/23-24

A) GENERAL INFORMATION

1. Location of Sampling : Near Scrap Yard
2. Duration of Sampling : 24 hrs. (09:30 a.m. - 09:30 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 26.0
2. Average Relative Humidity (%) : 64.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	56.0	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	86.18	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	7.80	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	26.48	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.36	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: Result relates only to the sample tested.

Reviewed By :

Authorised Signatory :

Technical Manager

TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Aynia, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.02.2024 - 09.02.2024
		Period of Analysis	: 10.02.2024 - 12.02.2024
		Date of Issue	: 14.02.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/Feb./A/V
		Report No.	: ENV/16/Feb./TR(A)/V/23-24

A] GENERAL INFORMATION

1. Location of Sampling : Near Stock Yard
2. Duration of Sampling : 24 hrs. (10:00 a.m. - 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 26.0
2. Average Relative Humidity (%) : 64.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	51.79	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	87.17	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	7.55	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	25.04	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.48	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 10th November, 2009.
: Result relates only to the sample tested.

Reviewed By :

Authorised Signatory :

LABORATORY MANAGER

LABORATORY MANAGER

TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewannara Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.02.2024 - 09.02.2024
		Period of Analysis	: 10.02.2024 - 12.02.2024
		Date of Issue	: 14.02.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/Feb./A/VI
		Report No.	: ENV/16/Feb./TR(A)/VI/23-24

A) GENERAL INFORMATION

1. Location of Sampling : Back Side of the Plant
2. Duration of Sampling : 24 hrs. (10:30 a.m. - 10:30 a.m.)

B) METEOROLOGICAL INFORMATION

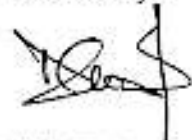
1. Average Temperature (°C) : 26.0
2. Average Relative Humidity (%) : 64.0
3. Barometric Pressure (mm of Hg) : 757.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	48.89	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	82.59	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	6.84	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	29.96	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.32	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23 rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.
: Result relates only to the sample tested.

Reviewed By :



Authorised Signatory :



<End of Report>

TEST REPORT

Name of the Industry	Ramco Industries Ltd.	Type of Industry	Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	08.02.2024
		Period of Analysis	10.02.2024-16.02.2024
		Date of Issue	19.02.2024
Sampling Plan & Procedure	ENV/SOP/01	Deviation from the Sampling Method and Plan	No
Location	Tap of Quality Control Lab	Sample Condition	Sealed
		Type of Sample	Drinking Water
		ULR No.	TC601424000000148P

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4) : 2021	Hazen	1.0	5.0	10.0
2. Odour	IS 3025 (Part 5) : 2018	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11) : 2022	--	7.54	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 4) : 2021	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10) : 2017	NTU	1.10	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16) : 2017	mg./l	126.0	500.0	2000.0
7. Aluminium	IS 15302 : 2018	mg./l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40) : 2019	mg./l	14.42	75.0	200.0
9. Chloride	IS 3025 (Part 32) : 2019	mg./l	15.99	250.0	1000.0
10. Iron	IS 3025 (Part 53) : 2019	mg./l	0.06	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46) : 2019	mg./l	2.88	30.0	100.0
12. Manganese	IS 3025 (Part 59) : 2017	mg./l	0.04	0.1	0.3
13. Nitrate	IS 3025 (Part 34) : 2019	mg./l	1.07	45.0	No Relaxation
14. Sulfate	IS 3025 (Part 24) Sec. 1 : 2022	mg./l	7.50	200.0	400.0
15. Total Alkalinity	IS 3025 (Part 23) : 2019	mg./l	52.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21) : 2019	mg./l	48.0	200.0	500.0
17. Zinc	IS 3025 (Part 49) : 2019	mg./l	0.03	5.0	15.0
18. Mercury	IS 3025 (Part 48) : 2019	mg./l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37) : 2019	mg./l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52) : 2017	mg./l	<0.02	N.A.	N.A.
21. Silica	APHA 23 rd Ed., 4500 SiO ₂ -C/F : 2017	mg./l	1.80	N.A.	N.A.

Remarks: a) Result shows that all parameters are within limit as per IS: 10500 - 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS: 10500-2012 - Drinking Water Specification, Amendment No.1, and June 2015.

d) Result relates only to the sample tested.

e) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

Reviewed By:

DR. R. K. SINGH

Dy. Genl. Manager

Authorized Signatory:

INDRANI D.

Dy. Genl. Manager

TEST REPORT

Name of the Industry	Ramco Industries Ltd.	Type of Industry	Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	Vill - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	08.02.2024
		Period of Analysis	10.02.2024-12.02.2024
		Date of Issue	19.02.2024
Sampling Plan & Procedure	ENV/SOP/01	Deviation from the Sampling Method and Plan	No
Location	Tap of Quality Control Lab	Sample Condition	Sealed
		ULR No.	TC6014240000001489
		Type of Sample	Drinking Water

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500, 2012
1. Total Coliform	IS 15185 : 2021	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	IS 15185 : 2021	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample

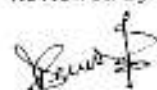
Remarks: a) Result shows that all parameters are within limit as per IS 10500: 2012. (<1.0 indicates "Absent", No Colony Developed i.e. No Coliform Found).

b) CFU indicates Colony Forming Unit.

c) Result relates only to the sample tested.

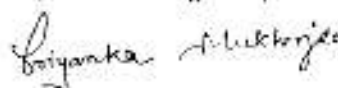
d) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

Reviewed By:



DEEPA CHAKRABORTY
Technical Manager, Microbiology

Authorized Signatory:



PRIYANKA MUKHERJEE
Technical Manager, Microbiology



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	Ramco Industries Ltd.	Type of Industry	Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	VIII - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	08.02.2024
		Period of Analysis	10.02.2024-16.02.2024
		Date of Issue	19.02.2024
Sampling Plan & Procedure	ENV/SOP/01	Deviation from the Sampling Method and Plan	No
Location	Tap of Guest House	Sample Condition	Sealed
		Type of Sample	Drinking Water
		ULR No.	TC601424000000149P

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4) : 2021	Hazen	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5) : 2018	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11) : 2022	--	7.54	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 4) : 2021	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10) : 2017	NTU	1.15	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16) : 2017	mg./l	122.0	500.0	2000.0
7. Aluminium	IS 15302 : 2018	mg./l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40) : 2019	mg./l	16.03	75.0	250.0
9. Chloride	IS 3025 (Part 32) : 2019	mg./l	15.99	250.0	1000.0
10. Iron	IS 3025 (Part 53) : 2019	mg./l	0.07	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46) : 2019	mg./l	2.88	30.0	100.0
12. Manganese	IS 3025 (Part 59) : 2017	mg./l	0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34) : 2019	mg./l	1.12	45.0	No Relaxation
14. Sulfate	IS 3025 (Part 24) Sec. 1 : 2022	mg./l	8.20	200.0	400.0
15. Total Alkalinity	IS 3025 (Part 23) : 2019	mg./l	44.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21) : 2019	mg./l	52.0	200.0	600.0
17. Zinc	IS 3025 (Part 49) : 2019	mg./l	0.06	5.0	15.0
18. Mercury	IS 3025 (Part 48) : 2019	mg./l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37) : 2019	mg./l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52) : 2017	mg./l	<0.02	N.A.	N.A.
21. Silica	APHA 23 rd Ed., 4500 SiO ₂ -C/F : 2017	mg./l	1.60	N.A.	N.A.

Remarks: a) Result shows that all parameters are within limit as per IS: 10500 - 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS: 10500-2012 - Drinking Water Specification, Amendment No.1, and June 2015.

d) Result relates only to the sample tested.

e) Sample collected by Envirocheck and sent to lab for testing in sealed condition.

Reviewed By:

[Signature]

Authorized Signatory:

[Signature]

ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit		
Address	Vill. - Dewannaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.02.2024		
		Period of Analysis	: 10.02.2024-12.02.2024		
		Date of Issue	: 19.02.2024		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Drinking Water
Location	: Tap of Guest House	Sample Condition	: Sealed	ULR No.	: TC601424000000149P

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500, 2012
1. Total Coliform	IS 15185 : 2021	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	IS 15185 : 2021	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample

Remarks: a) Result shows that all parameters are within limit as per IS 10500: 2012. (<1.0 indicates "Absent", No Colony Developed i.e. No Coliform Found).

b) CFU indicates Colony Forming Unit.

c) Result relates only to the sample tested.

d) Sample collected by Envirocheck and sent to lab in sealed condition.

Reviewed By:

Dr. Q. A. Khan

Authorized Signatory:

DR. ANANTA K. CHATTERJEE
General Manager, Medinipur

<End of Report>

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmara Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.02.2024
		Period of Analysis	: 10.02.2024-15.02.2024
		Date of Issue	: 17.02.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Location	: Septic Tank Outlet (Canteen Side)	Sample Condition	: Sealed
		Type of Sample	: Industrial Effluent Water (Grab)
		Sample ID No.	: ENV/11/Feb/W
Report No.	: ENV/11/Feb/TR(W)/23-24		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH	4500 H·B APHA 23 rd Edition, 2017	--	7.83	5.5 - 9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	28.0	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	2.7	10.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	78.4	250.0
5.	Biochemical Oxygen Demand for 5 days at 20°C	5210 B APHA 23 rd Edition, 2017	mg/l	25.0	30.0

Remarks : a) Limit as per Schedule VI Inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

b) Results relates only to the sample tested.

c) Sample collected by Envirocheck and sent to lab in sealed condition.

Reviewed By:

Authorized Signatory:

Dr. AJOY PAUL
Quality Manager

Dr. AJOY PAUL
Quality Manager

<End of Report>

ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/53

TEST REPORT

Name of Industry / Company / Factory / Office	Ramco Industries Limited
Address	Village - Dewanmari Ayma, P.O. - Hariatara, P.S. - Kharappur, District - Pachim Medinipur, Pin- 721301.
Type of Industry	Asbestos Cement Corrugated & Accessories Manufacturing Unit
Sampling Plan & Procedure	ENV/SOP/02
Deviation from the Sampling Method & Plan	No
Type of Sample	Noise Level Study
Sample ID	ENV/02/Feb/N
Date of Study	08/02/2024
Method No.	IS 15575 (Part 2), 2022
Sample Monitored by	Mr. Subhadeep Gupta
Report ID	ENV/02/Feb/(TR)N/23-24
Reporting Date	15/02/2024
Time of Duration of Noise	20 Minutes
Height from Ground Level	4 Feet.

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (hours)	Min dB (A)	Max dB (A)	L _{eq} dB (A)	Limit in LeqdB(A)
1.	Near Main Gate	50.2	51.1	51.2	53.1	52.3	53.4	51.4	52.3	52.2	54.4	9:00 - 9:20 A.M. (Day Time)	50.2	54.4	52.32	A. Industrial Area (Day Time - 75.0) (Night Time - 72.0)
2.	Near Main Gate	41.4	43.1	44.2	47.2	45.1	42.2	47.5	44.3	45.4	48.7	10:00 - 10:20 P.M. (Night Time)	41.4	48.7	45.49	
3.	Near Stock Yard	61.2	63.5	63.4	62.1	62.5	63.2	62.4	64.1	64.5	66.8	9:30 - 9:50 A.M. (Day Time)	61.2	66.8	63.64	B. Commercial Area (Day Time - 65.0) (Night Time - 55.0)
4.	Near Stock Yard	52.1	54.1	53.1	55.3	55.1	55.1	55.4	57.2	57.1	60.1	10:30 - 10:50 P.M. (Night Time)	52.1	60.1	57.02	
5.	Near Scrap Yard	59.8	62.1	60.1	61.1	60.2	62.2	61.5	60.4	63.5	65.4	10:00 - 10:20 A.M. (Day Time)	59.8	65.4	61.59	C. Residential Area (Day Time - 55.0) (Night Time - 45.0)
6.	Near Scrap Yard	50.2	53.1	54.2	53.1	53.2	52.1	52.4	51.1	52.1	55.2	11:00 - 11:20 P.M. (Night Time)	50.2	55.2	52.88	
7.	Back Side of the Plant	62.4	64.1	63.5	64.4	63.4	63.5	63.4	64.2	64.4	65.8	10:30 - 10:50 A.M. (Day Time)	62.4	65.8	64.00	
8.	Back Side of the Plant	49.2	53.1	54.1	50.1	51.1	50.1	52.4	54.2	54.3	55.4	11:30 - 11:50 P.M. (Night Time)	49.2	55.4	52.95	D. Silent Zone (Day Time - 50.0) (Night Time - 40.0)

> End of Report <

** Mean of L_{eq} - Equivalent to Sound Energy

** Central Pollution Control Board, Ministry of Environment & Forests Government of India & Department of Environment, Government of West Bengal)

** Day Time is reckoned in between

** Night Time is reckoned in between

6:00 A.M. & 10:00 P.M.

10:00 P.M. & 6:00 A.M.

PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS / Source: The Noise Pollution (Regulation and Control) Rules, 2000

Hours	Limit in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/4	105
1/8	108
1/16	111
1/32	114
(2 minutes or less)	

Reviewed By:

Dr. A. J. C. PAUL
QUALITY MANAGER

Authorized Signatory:

Dr. A. J. C. PAUL
QUALITY MANAGER

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141

Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889

E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in

Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi



TEST REPORT

Date: 20.03.2024	Report No: ICM/HA/PTC-146/2024	Format No: ICI/EM/11/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-146
Address	Dewanmari, Aynia, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 11.03.2024
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 01:25 PM
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis Start Date : 18.03.2024
#Sample Description	STACK AIR	Analysis complete Date : 19.03.2024
#Location	D.G. SET (380 KVA)	
Sample Condition	In Glass Microfiber Thimble & Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	Circular
Stack attached to	D.G. SET (380 KVA)	Material of Construction	M.S
Emission due to	Combustion of H.S.D.	Stack ID at sampling point (M)	0.20
Fuel Used	H.S.D.	At Bottom (M)	-
Rated Fuel Consumption	-	At Top (M)	0.20
Working Fuel Consumption	-	Height Details :	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	16.00
Sulphur Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt.)	-	c) Ht. of sampling port from GL(M)	8.40
Pollution Control Device	Nil	d) Ht. of port from disturbance zone (M)	-
Whether Stack is provided with permanent Platform / Ladder	Yes		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	151	Stream Generation Capacity :	
Barometric Pressure,(mm Hg)	757	a) Rated	-
Velocity of Gas flow (m/s)	13.07	b) Running	-
Quantity of Gas flow (Nm³/hr)	1015.96	Load :	
Pressure	-	a) Rated	380 KVA
		b) Running	380 KVA

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	40.0	IS 11255 (Part -1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03	Sulphur di-oxide (mg/ Nm³)	101.69	IS 11255 (Part -2): 1985 (RA 2019)
04	Oxides of Nitrogen (as NOx)-(mg/m³)	116.86	IS 11255 (Part -7): 2005 (RA 2017)
05	Carbon mono oxide (as CO)- % (V/V)	<0.2	IS 13270:1992 (RA 2019)
06	Carbon di oxide (as CO₂)-% (V/V)	6.4	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Note

- # Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India.
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only.
- The test results referred in test report are based on observations & measurements under the stated environmental conditions.
- The reproduction of the report except in full is invalid without written approval of the laboratory.
- Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
- Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-70 from the date of issue unless otherwise specified.
- Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1



TEST REPORT

Date: 20.03.2024	Report No: ICI/HL/A/PTC-147/2024	Format No: ICI/FM/H/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-147
Address	Dewanmuro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 11.03.2024
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 03:45 PM
#Work Order No.	KHIG/POB/0026/23-24, Dtd. 07.04.2023	Analysis Start Date : 18.03.2024
#Sample Description	STACK AIR	Analysis complete Date : 19.03.2024
#Location	PULVERIZER SECTION	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	Circular
Stack attached to	PULVERIZER SECTION	Material of Construction	MS
Emission due to	Process Activity	Stack ID at sampling point (M)	0.26
Fuel Used	-	At Bottom (M)	-
Rated Fuel Consumption	-	At Top (M)	-
Working Fuel Consumption	-	Height Details :	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	15.00
Sulphur Content (% by WL)	-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by WL)	-	c) Ht. of sampling port from GL(M)	6.70
Pollution Control Device	Bag Filter	d) Ht. of port from disturbance zone (M)	-
Whether Stack is provided with permanent Platform / Ladder	Yes		

B.] PHYSICAL DATA:

Floc Gas Temperature (°C)	33	Stream Generation Capacity:	
Barometric Pressure (mm Hg)	757	a) Rated	-
Velocity of Gas flow (m/s)	7.93	b) Running	-
Quantity of Gas flow (Nm ³ /hr)	1471.15	Load : a) Rated	-
Pressure	-	b) Running	1 Ton/Hr.

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm ³)	1.2	IS 11255 (Part-I): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-	
03	Carbon mono oxide (as CO)-%(V/V)	<0.2	IS 13270:1992 (RA 2019)
04	Carbon di oxide (as CO ₂)-%(V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note
- * Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as: NA
 - Test results shown in this test report relate only to the sample (s) only.
 - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 - The reproduction of the report except in full is invalid without written approval of the laboratory.
 - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 - Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-78, from the date of issue unless otherwise specified.
 - Location of Testing: Haldia Laboratory

Reviewed By: QM/TM

End of Report

Page 1 of 1



TEST REPORT

Date: 20.03.2024	Report No: ICI/HL/A/PTC-148/2024	Format No: ICI/FME/158
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-148
Address	Dewanmura, Ayma, P.O.-Harintara, P.S.-Kharngpur, Paschim Medinipur, PIN - 721304	Sampling Date : 11.03.2024
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 11:35 AM
#Work Order No.	KHG/PO/0020/23-24, Dtd. 07.04.2023	Analysis Start Date : 18.03.2024
#Sample Description	STACK AIR	Analysis complete Date : 19.03.2024
#Location	EDGE RUNNER MILL BOD & SLURRY MIXING	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	EDGE RUNNER MILL BOD & SLURRY MIXING	Shape of Stack	Circular
Stack attached to	Process Activity	Material of Construction	MS
Emission due to	-	Stack ID at sampling point (M)	0.30
Fuel Used	-	At Bottom (M)	-
Rated Fuel Consumption	-	At Top (M)	0.30
Working Fuel Consumption	-	Height Details :	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	15.0
Sulphur Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt)	-	c) Ht. of sampling port from GL(M)	8.40
Pollution Control Device	BAG FILTER & WET SCRUBBER	d) Ht. of port from disturbance zone (M)	-
Whether Stack is provided with permanent Platform / Ladder	Yes		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	32	Steam Generation Capacity:	
Barometric Pressure, (mm Hg)	757	a) Rated	-
Velocity of Gas flow (m/s)	8.70	b) Running	-
Quantity of Gas flow (Nm ³ /hr)	2155.59	Load :	
Pressure	-	a) Rated	-
		b) Running	1 Ton/Hr.

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm ³)	1.4	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-	
03.	Carbon mono oxide (as CO)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO ₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer.
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-74 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

Page 1 of 1

End of Report

Reviewed By: QM/TM



TEST REPORT

Date: 20.03.2024	:	Report No: ICI/HLA/PTC-149/2024	Format No: ICI/FM/11/58
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-149
Address	:	Dewanmari, Ayra, P.O.-Harintam, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 11.03.2024
#Customer Representative Name & Contact Number	:	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 10:30 AM
#Work Order No.	:	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis Start Date : 18.03.2024
#Sample Description	:	STACK AIR	Analysis complete Date : 19.03.2024
#Location	:	CEMENT & FLY ASH FEEDING SECTION	
Sample Condition	:	In Glass Microfiber Thimble	
Sampling Method	:	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	:	Stack attached to	:	CEMENT & FLY ASH FEEDING SECTION	Shape of Stack	:	Circular
Emission due to	:	Feeding of Raw Material	:		Material of Construction	:	M.S
Fuel Used	:	-	:		Stack ID at sampling point (M)	:	0.40
Rated Fuel Consumption	:	-	:		At Bottom (M)	:	-
Working Fuel Consumption	:	-	:		At Top (M)	:	0.40
Calorific Value(Kcal/kg)	:	-	:		Height Details :		
Sulphur Content (% by Wt)	:	-	:		a) Total Ht. Of stack from GL(M)	:	15.00
Ash Content (% by Wt.)	:	-	:		b) Total Ht. Of stack from RL(M)	:	-
Pollution Control Device	:	Bag Filter	:		c) Ht. of sampling port from GL(M)	:	8.40
Whether Stack is provided with permanent Platform / Ladder (Yes)	:		:		d) Ht. of port from disturbance zone (M)	:	-

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	:	33	<u>Stream Generation Capacity:</u>			
Barometric Pressure (mm Hg)	:	757	a) Rated	:	-	
Velocity of Gas flow (m/s)	:	8.69	b) Running	:	-	
Quantity of Gas flow (Nm³/hr)	:	3815.46	<u>Load :</u>	a) Rated	:	-
Pressure	:	-	b) Running	:	10 Ton/Hr.	

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	1.8	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	Carbon mono oxide (as CO)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-73 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

Approved By: QM/TM



TEST REPORT

Date: 22.03.2024	Report No: ICI/HL/A/RN-178/2024	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/AC-178
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 11.03.2024 to 12.03.2024
Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Analysis Start Date : 18.03.2024
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis complete Date : 21.03.2024
#Sample Description	AMBIENT AIR	
#Location	NEAR MAIN GATE	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	
Test Specification	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 th November 2009	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:30 AM to 06:30 PM	06:45 PM to 02:45 AM	03:00 AM to 11:00 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	89.97	109.93	85.91	95.27	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	35.67	44.81	32.91	37.80	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	18.24	21.28	17.23	18.92	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	42.00	47.25	40.25	43.17	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	43.5	-	-	43.5	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.3041	0.3614	0.4270	0.3642	NDIR Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	32.0	28.0	29.0	30.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀= 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO_x=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis, Carbon mono oxide=2 mg/m³, O₃=100µg/m³ 8hours basis, Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=20ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
- Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as: NA
 - Test results shown in this test report relate only to the sample (s) only.
 - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 - The reproduction of the report except in full is invalid without written approval of the laboratory.
 - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 - Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
 - Location of Testing : Haldia Laboratory

Page 1 of 1

Reviewed By: QM/PTM

End of Report

CENTRAL LABORATORY : HPL Link Road, Basudevapur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506973



TEST REPORT

Date: 22.03.2024	Report No: ICI/HLA/RN-179/2024	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/AC-179
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 11.03.2024 to 12.03.2024
#Customer Representative Name & Contact Number	Mr. Tamkath Bose Mob. No. +91-7063511804	Analysis Start Date : 18.03.2024
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis complete Date : 21.03.2024
#Sample Description	AMBIENT AIR	
#Location	NEAR SCRAP YARD	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - I)	
Test Specification	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 th November 2009	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:45 AM to 06:45 PM	07:00 PM to 03:00 AM	03:15 AM to 11:15 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	75.89	94.07	82.04	84.00	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	34.61	36.58	31.62	34.27	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	15.20	21.28	16.22	17.57	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	42.00	48.12	40.25	43.46	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/16/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	41.1	-	-	41.1	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/16/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.3046	0.3611	0.4124	0.3594	NDIR Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	32.0	28.0	29.0	30.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀= 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO_x=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis, Carbon mono oxide=2 mg/m³, O₃=160 µg/m³, 8 hours basis, Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=20ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref : National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November 2009

Prepared By: N. Pramanik

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note:

- Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only
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- Location of Testing : Haldia Laboratory

End of Report

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevapur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshwala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE



TEST REPORT

Date: 22.03.2024	:	Report No: ICI/HL/A/RN-180/2024	Format No: ICI/FM/H/61
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/AC-180
Address	:	Dewanmuro, Aymia, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 11.03.2024 to 12.03.2024
#Customer Representative Name & Contact Number	:	Mr. Taraknath Bose Mob. No. +91-7063511804	Analysis Start Date : 18.03.2024
#Work Order No.	:	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis complete Date : 21.03.2024
#Sample Description	:	AMBIENT AIR	
#Location	:	NEAR STOCK YARD	
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	:	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			11:00 AM to 07:00 PM	07:15 PM to 03:15 AM	03:30 AM to 11:30 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	82.04	93.94	77.99	84.66	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	32.10	41.30	35.81	36.40	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	16.22	21.28	15.20	17.57	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	40.25	46.32	42.00	42.86	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	42.9	-	-	42.9	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.3145	0.3641	0.4201	0.3662	NDIR Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	32.0	28.0	29.0	30.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)

PM₁₀= 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO_x=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis, Carbon mono oxide=2 mg/m³, O₃=100µg/m³ 8hours basis, Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=20ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November '2009

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Note:

- Information provided by customer
- Sample is drawn by M/s. Indicative Consultant India
- Sample submitted and identified by customer as: NA
- Test results shown in this test report relate only to the sample (s) only.
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- Location of Testing : Haldia Laboratory

-End of Report-

Page 1 of 1

Reported By: QM/TM

CENTRAL LABORATORY : HPL Link Road, Basudevapur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602

Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshlala, Kolkata-700142, Mob. : 7797245819, 7797506970



TEST REPORT

Date: 22.03.2024	Report No: ICI/HL/A/RN-181/2024	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmura, Ayra, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Analysis Start Date
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	Analysis complete Date
#Sample Description	AMBIENT AIR	
#Location	BACK SIDE OF THE PLANT	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			11:15 AM to 07:15 PM	07:30 PM to 03:30 AM	03:45 AM to 11:45 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	90.92	95.05	82.96	89.64	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	31.37	43.15	36.54	37.02	IS 5182 (Part - 24):2019.
3.	Sulphur Dioxide (SO ₂)	µg / m ³	17.23	20.27	16.22	17.91	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	41.13	46.37	42.00	43.17	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	41.7	-	-	41.7	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.3114	0.3641	0.4172	0.3642	NDIR Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	32.0	28.0	29.0	30.0	Hygrometer

BLQ= Below Limit of Quantification

Limit: (µg / m³) Ambient Air Quality standard (National)PM₁₀= 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=50 µg/m³, NO_x=50 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis, Carbon mono oxide=2 mg/m³, O₃=100µg/m³, 8 hours basis, Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=20ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive AreaRef: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November '2009

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
- Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as, NA
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 - Retention period of tested samples (Filter Paper) is 180 days from the date of issue of test report unless otherwise specified.
 - Location of Testing :Haldia Laboratory

End of Report

Reviewed By: QM/TM

Page 1 of 1



TEST REPORT

Date: 21.03.2024	:	Report No: ICI/HI/W/RN-280/2024	Format No: ICI/FM/H/67
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/W-280
Address	:	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 11.03.2024
#Customer Representative Name & Contact Number	:	Mr. Taraknath Bose Mob. No. +91-70 63511804	Sampling Time : 03:45 PM
			Analysis Start Date : 12.03.2024
			Analysis complete Date : 20.03.2024
#Work Order No.	:	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	:	SEWAGE WATER	
Sample Condition	:	In Plastic Bottle & Glass Bottle	
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA 24 th Edition, 2023	
# Location	:	NEAR GARDEN	

Sl. No.	Parameters	Unit	Result	Method Followed
1.	pH (at 26°C)	---	7.94	IS:3025(Part-11):1983: RA 2017, APHA 24 th Edition 4500-H ⁺ B
2.	Total Suspended Solid (TSS)	mg/L	37.0	IS:3025 (Part-17): 1984: RA 2017, APHA 24 th Edition 2540D
3.	Chemical Oxygen Demand (COD)	mg/L	60.6	APHA 24 th Edition 5220B
4.	Bio-Chemical Oxygen Demand (for 3 days at 27°C)	mg/L	17.0	IS:3025 (Part-44): 1993: RA 2019,
5.	Oil and Grease	mg/L	2.2	IS:3025 (Part-39): 1991: RA 2019/ APHA 24 th Edition 5520B,

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory AuthorityParbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIATest Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note :
1. * Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India in front of customer representatives
 3. Sample submitted and identified by customer as: N.A.
 4. Test results shown in this test report relate only to the sample (s) only
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

-----End of Report-----

Page 1 of 1

Reviewed By: QM/ TM



TEST REPORT

Date: 21.03.2024	Report No: ICI/HL/W/RN-278/2024	Format No: ICI/FM/H/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/W-278
Address	Dewanmari, Ayna, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 11.03.2024
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 02:45 PM Analysis Start Date : 12.03.2024 Analysis complete Date : 20.03.2024
#Work Order No.	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	DRINKING WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part 1): 1987 (RA 2019), APHA 24 th Edition, 2023	
# Location	INSIDE OF THE PLANT	
Material Specification	IS 10500: 2012	

SL No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(Part-5):2018 APHA 24 th Edition 2150 B
2.	pH (at 26°C)	-	6.52	6.5 to 8.5	No Relaxation	IS 3025(Part-11):1983: RA 2017, APHA 24 th Edition 4500-H B
3.	Colour	Hazen Unit	<5.0	5	15	IS 3025(Part-4):1983: RA 2017
4.	Conductivity	µS/cm	130.8	-	-	IS 3025(Part-14):1984: RA 2019 APHA 24 th Edition 2510 B
5.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS 3025(Part-10):1984: RA 2017 APHA 24 th Edition 2130 B
6.	Total Dissolved Solid (TDS)	mg/L	71.0	500 (Max)	2000 (Max)	IS 3025(Part-16):1984: RA 2017 APHA 24 th Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
7.	Total Hardness (as CaCO ₃)	mg/L	43.0	200 (Max)	600 (Max)	IS 3025(Part-21):2009: RA 2019 APHA 24 th Edition 2340 C
8.	Ca Hardness (as CaCO ₃)	mg/L	30.37	-	-	APHA 24 th Edition 2340 C
9.	Mg Hardness (as CaCO ₃)	mg/L	12.63	-	-	APHA 24 th Edition 2340 C
10.	Calcium (as Ca)	mg/L	12.17	75 (Max)	200 (Max)	IS 3025(Part-40):1991: RA 2014 APHA 24 th Edition 3500Ca B
11.	Magnesium (as Mg)	mg/L	3.07	30 (Max)	100 (Max)	IS 3025(Part-46):1994: RA 2019 APHA 24 th Edition 3500Mg B
12.	Chloride (as Cl)	mg/L	17.37	250 (Max)	1000 (Max)	IS 3025(Part-32):1988: RA 2019 APHA 24 th Edition 4500Cl B
13.	Total Alkalinity (as CaCO ₃)	mg/L	57.15	200 (Max)	600 (Max)	IS 3025(Part-23):1986: RA 2019 APHA 24 th Edition 2320 B
14.	P-Alkalinity (as CaCO ₃)	mg/L	Nil	-	-	APHA 24 th Edition 2320B
15.	M-Alkalinity (as CaCO ₃)	mg/L	57.15	-	-	APHA 24 th Edition 2320B
16.	Iron (as Fe)	mg/L	0.09	0.3 (Max)	No Relaxation	IS 3025(Part-53):2003: RA 2019 APHA 24 th Edition 3500-Fe B
17.	Phosphate (as P)	mg/L	<0.02	-	-	APHA 24 th Edition 4500P D
18.	Fluoride (as F)	mg/L	<0.04	1 (Max)	1.5 (Max)	IS 3025(Part-60):2008: RA 2019 APHA 24 th Edition 4500 FD

Page: 1 of 2

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA



TEST REPORT

Date: 21.03.2024	:	Report No: ICI/HL/W/RN-278/2024	Format No: ICI/FM/IB/67
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/W-278
Address	:	Dewanmuro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 11.03.2024
#Customer Representative Name & Contact Number	:	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 02:45 PM
			Analysis Start Date : 12.03.2024
			Analysis complete Date : 20.03.2024
#Work Order No.	:	KHG/POR/0020/23-24, Dtd. 07/04.2023	
#Sample Description	:	DRINKING WATER	
Sample Condition	:	In Plastic Bottle & Glass Bottle	
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA 24 th Edition, 2023	
# Location	:	INSIDE OF THE PLANT	
Material Specification	:	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
19.	Appearance	-	Clear	-	-	Visual
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
20.	Sulfate (as SO ₄)	mg/L	11.0	200 (Max)	400 (Max)	IS:3025(Part-24):1986; RA 2019 APHA 24 th Edition 4500 SO ₄ ²⁻ E
21.	Silica (as SiO ₂)	mg/L	2.12	-	-	IS:3025(Part-35):1988; RA 2019 APHA 24 th Edition 4500 SiO ₂ -C
22.	Manganese (as Mn)	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 24 th Edition 3111 B
PARAMETERS CONCERNING TOXIC SUBSTANCES						
23.	Arsenic (as As)	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 24 th Edition 3500As B
BACTERIOLOGICAL PARAMETERS						
24.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS: 1622-1981 (RA 2019)
25.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622-1981 (RA 2019)

LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml)

Remarks:

- 1) Chemical test Parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012
- 2) Bacteriological test parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Nil (Sampling was done in front of customer representatives)

Estimated Uncertainty: Not Required

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. * Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India
 3. Sample submitted and identified by customer as: N.A.
 4. Test results shown in this test report relate only to the sample (s) only
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified
 9. Location of Testing: Haldia Laboratory

Reviewed By:

End of Report

Page 2 of 2



TEST REPORT

Date: 21.03.2024	:	Report No: ICI/HL/W/RN-279/2024	Format No: ICI/FM/H/67
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/W-279
Address	:	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 11.03.2024
#Customer Representative Name & Contact Number	:	Mr. Tarakanath Bose Mob. No. +91-7063511804	Sampling Time : 03:00 PM
			Analysis Start Date : 12.03.2024
			Analysis complete Date : 20.03.2024
#Work Order No.	:	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	:	DRINKING WATER	
Sample Condition	:	In Plastic Bottle & Glass Bottle	
Sampling Method	:	IS:3025 (Part I): 1987 (RA 2019), APHA 24 th Edition, 2023	
# Location	:	GUEST HOUSE	
Material Specification	:	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(Part-5):2018 APHA 24 th Edition 2150 B
2.	pH (at 26°C)	-	6.54	6.5 to 8.5	No Relaxation	IS 3025(Part-11):1983 RA 2017 APHA 24 th Edition 4500-H° B
3.	Colour	Hazen Unit	<5.0	5	15	IS 3025(Part-4):1983 RA 2017
4.	Conductivity	µS/cm	129.2	-	-	IS: 3025(Part-14):1984 RA 2019 APHA 24 th Edition 2510 B
5.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS 3025(Part-10):1984 RA 2017 APHA 24 th Edition 2130 B
6.	Total Dissolved Solid (TDS)	mg/L	69.0	500 (Max)	2000 (Max)	IS:3025(Part-16):1984 RA 2017 APHA 24 th Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
7.	Total Hardness (as CaCO ₃)	mg/l	50.61	200 (Max)	600 (Max)	IS 3025(Part-21):2009 RA 2019 APHA 24 th Edition 2340 C
8.	Ca Hardness (as CaCO ₃)	mg/L	30.37	-	-	APHA 24 th Edition 2340 C
9.	Mg Hardness (as CaCO ₃)	mg/l	20.24	-	-	APHA 24 th Edition 2340 C
10.	Calcium (as Ca)	mg/L	12.17	75 (Max)	200 (Max)	IS 3025(Part-40):1991 RA 2014 APHA 24 th Edition 3500Ca B
11.	Magnesium (as Mg)	mg/L	4.9	30 (Max)	100 (Max)	IS 3025(Part-46):1994 RA 2019 APHA 24 th Edition 3500Mg B
12.	Chloride (as Cl)	mg/L	17.37	250 (Max)	1000 (Max)	IS 3025(Part-32):1988 RA 2019 APHA 24 th Edition 4500Cl B
13.	Total Alkalinity (as CaCO ₃)	mg/l	44.45	200 (Max)	600 (Max)	IS 3025(Part-23):1986 RA 2019 APHA 24 th Edition 2320 B
14.	P-Alkalinity (as CaCO ₃)	mg/L	Nil	-	-	APHA 24 th Edition 2320B
15.	M-Alkalinity (as CaCO ₃)	mg/L	44.45	-	-	APHA 24 th Edition 2320B
16.	Iron (as Fe)	mg/L	0.11	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003 RA 2019 APHA 24 th Edition 3500-Fe B
17.	Phosphate (as P)	mg/L	<0.02	-	-	APHA 24 th Edition 4500P D
18.	Fluoride (as F)	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008 RA 2019 APHA 24 th Edition 4500 FD

Page: 1 of 2

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA



TEST REPORT

Date: 21.03.2024	:	Report No: ICI/HL/W/RN-279/2024	Format No: ICI/FM/H/67
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/W-279
Address	:	Dewanmari, Aynia, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 11.03.2024
#Customer Representative Name & Contact Number	:	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 03:00 PM
			Analysis Start Date : 12.03.2024
			Analysis complete Date : 20.03.2024
#Work Order No.	:	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	:	DRINKING WATER	
Sample Condition	:	In Plastic Bottle & Glass Bottle	
Sampling Method	:	IS:3025 (Part 1): 1987 (RA 2019), APHA 24 th Edition, 2023	
# Location	:	GUEST HOUSE	
Material Specification	:	IS 10500: 2012	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
19.	Appearance	-	Clear	-	-	Visual
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
20.	Sulfate (as SO ₄)	mg/L	10.5	200 (Max)	400 (Max)	IS 3025(Part-24):1986: RA 2019 APHA 24 th Edition 4500 SO ₄ ²⁻ E
21.	Silica (as SiO ₂)	mg/L	1.87	-	-	IS 3025(Part-35):1988, RA 2019 APHA 24 th Edition 4500 SiO ₂ C
22.	Manganese (as Mn)	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 24 th Edition 3111 B
PARAMETERS CONCERNING TOXIC SUBSTANCES						
23.	Arsenic (as As)	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 24 th Edition 3500As B
BACTERIOLOGICAL PARAMETERS						
24.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
25.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)

LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml)

Remarks:

- 1) Chemical test Parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012
- 2) Bacteriological test parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012

Prepared By: N. Pramanik

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil (Sampling was done in front of customer representatives)
Estimated Uncertainty: Not Required

- Note:
1. * Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India
 3. Sample submitted and identified by customer as: N.A.
 4. Test results shown in this test report relate only to the sample (s) only
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Water) is 10 days from the date of issue of test report unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

Registered By: CHITM

End of Report

Page 2 of 2



TEST REPORT

Date: 15.03.2024	:	Report No: ICI/HLN/TC-036/2024	Format No: ICI/FM/II/68
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	
Address	:	Dewanmuro, Ayma, P.O.-Hamatara, P.S.-Kharagpur, Paschim Medinipur.	
#Customer Representative Name & Contact No.	:	Mr. Tarakanath Bose Mob. No. +91-7063511804	
#Work Order No.	:	KHG/POB/0020/23-24, Dtd. 07.04.2023	
#Sample Description	:	AMBIENT NOISE	
Sampling Method	:	By Digital Noise Meter	
Test Method	:	IS 9989:1981 (RA 2020)	
Monitoring Details:			
Height from the floor	:	1.5 M	Total Time (T) : 18 Min
Distance of Source	:	3.0 M	Difference (dt) : 2 Min

#Noise Source/ Location: NEAR MAIN GATE						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-150	11.03.2024	10:15 AM	56.94	58.2	54.2	As per note

#Noise Source/ Location: NEAR STOCK YARD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-151	11.03.2024	11:00 AM	60.37	61.6	58.4	As per note

#Noise Source/ Location: BACK SIDE OF THE PLANT						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-152	11.03.2024	03:00 PM	57.65	59.9	53.1	As per note

#Noise Source/ Location: NEW SCRAP YARD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-153	11.03.2024	11:30 AM	60.62	62.4	58.7	As per note

*Note:

NOISE STANDARD

Area Code	Category of Area/ Zone	Limits dB (A) Leq	
		Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Source: The Noise Pollution (Regulation & Control) Rules, 2000

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory AuthorityTest Witnessed By: Sampling was done in front of customer's representative
Estimated Uncertainty: Not RequiredParbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note : 1. Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India
3. Sample submitted and identified by customer as: N.A.
4. Test results shown in this test report relate only to the sample(s) only
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. Noise data was recorded at the customer site in presence of customer's representative.
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
8. The reproduction of the report except in full is invalid without written approval of the laboratory
9. Location of Testing: Plant Site & Report was generated from Haldia Laboratory

Reviewed By: QM/IM

End of Report

Page 1 of 1



TEST REPORT

Date: 15.03.2024	:	Report No: ICI/HL/N/TC-037/2024	Format No: ICI/FM/H/68
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	
Address	:	Dewanmari, Ayma, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur.	
#Customer Representative Name & Contact No.	:	Mr. Tarakanth Bose Mob. No. +91-7063511804	
#Work Order No.	:	KHG/POR/0020/23-24, Dtd. 07.04.2023	
#Sample Description	:	WORKZONE NOISE	
Sampling Method	:	By Digital Noise Meter	
Test Method	:	IS 4758:1968 (RA 2017)	
Monitoring Details:			
Height from the floor	:	1.5 M	Total Time (T) : 18 Min
Distance of Source	:	3.0 M	Difference (d) : 2 Min

#Noise Source/ Location: NEAR BOD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-154	11.03.2024	12:00 PM	73.95	75.0	72.8	As per note

#Noise Source/ Location: NEAR SF DRUM						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-155	11.03.2024	12:20 PM	77.30	78.2	76.6	As per note

#Noise Source/ Location: NEAR CORRUGATION BOX						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-156	11.03.2024	12:40 PM	75.68	76.8	74.2	As per note

#Noise Source/ Location: STRIPPING SECTION						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-157	11.03.2024	01:10 PM	77.82	79.9	76.4	As per note

*Note:

OSHA's Permissible limit (PEL) is 90 dB (A) for all workers of an 8 Hour Day with 3 dB (A) exchange Rate
Indian Factory Act 1948 Permissible limit (PEL) is 90 dB (A) for all workers of an 8 Hour Day

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Pramanik

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

Test Witnessed By: Sampling was done in front of customer's representative
Estimated Uncertainty: Not Required

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Note : 1. # Information provided by customer

2. Sample is drawn by M/s. Indicative Consultant India

3. Sample submitted and identified by customer as: N.A.

4. Test results shown in this test report relate only to the sample (s) only

5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.

6. Noise data was recorded at the customer site in presence of customer's representative.

7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report

8. The reproduction of the report except in full is invalid without written approval of the laboratory

9. Location of Testing: Plant Site & Report was generated from Haldia Laboratory

Page 1 of 1

End of Report



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

Dignity Centre, II Floor, No. 2/9, Abdul Razack Street,
Saidapet, Chennai - 600 015. ☎+91 44 2433 0382 to 85
☎9444709669 ☉info@cvrlabs.com ☉www.cvrlabs.com

030123

TEST REPORT

Page 1 of 12

Report No: 23110110.01

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmaro Aytta village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Report Date: 04/12/2023

Group: Atmospheric pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 23110110.01
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 17/11/2023
Sample Received On : 20/11/2023
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR CH/065
Test Started On : 20/11/2023
Test Completed On : 04/12/2023

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	23110110.01	Stripping Area	17/11/2023	Area	5	11:00 A.M	12:00 P.M	60	60	0.052

T.P. CT-Peri (Inc)
Verified By 04/12/2023

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nishant K.B
04/12/2023
Authorised Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

Dignity Centre, II Floor, No. 2/9, Abdul Razack Street,
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030123

Page 3 of 12

TEST REPORT

Report No: 23110110.03

Discipline: Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmari Ayma village Hariatara (PO) Hariatara,
Kharagpur - 721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 23110110.03
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 17/11/2023
Sample Received On : 20/11/2023
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/067
Test Started On : 20/11/2023
Test Completed On : 04/12/2023

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	23110110.03	Drum cutter dry Area	17/11/2023	Area	5	11.10 A.M	12.10 P.M	60	60	0.049

T.P. CT. Pandey
04/12/2023
Verified By

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nishant K.
R.B. MISHRA
Authorised Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

Dignity Centre, II Floor, No. 2/9, Abdul Razack Street,
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030129

Page 4 of 12

TEST REPORT

Report No: 23110110.04

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmari Aynia village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 23110110.04
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 17/11/2023
Sample Received On : 20/11/2023
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/068
Test Started On : 20/11/2023
Test Completed On : 04/12/2023

S. No	CVR Sample ID	Sample Location	Collected Date	Area/person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/cc
01	23110110.04	Auto Box Area	17/11/2023	Area	5	11.15 A.M	12.15 P.M	60	60	0.036

T. P. CT. Perin
04/12/2023
Verified By

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nirmala K.R.
K.R. NIRMALA
04/12/2023
Authorized Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

Dignity Centre, II Floor, No. 2/9, Abdul Razack Street,
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030110

Page 5 of 12

TEST REPORT

Report No: 23110110.05

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,
Dewattamaro Ayma village Hariatara (PO) Hariatara,
Kharagpur - 721304, West Bengal India.

Report Date: 04/12/2023

Group: Atmospheric pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 23110110.05
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 17/11/2023
Sample Received On : 20/11/2023
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/069
Test Started On : 20/11/2023
Test Completed On : 04/12/2023

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	23110110.05	Fibre Godown	17/11/2023	Area	5	11.20 A.M	12.20 P.M	60	60	0.044

T. P. (CT. Payal) (Ded)
04/12/2023
Verified By

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nirmala K.S
K. S. NIRMALA
Authorised Signatory
04/12/2023



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

Dignity Centre, II Floor, No. 2/9, Abdul Razack Street,
Saidapet, Chennai - 600 015. ☎+91 44 2433 0382 to 85
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030111

TEST REPORT

Page 6 of 12

Report No: 23110110.06

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Rameo Industries Limited.,

Dewanmari Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304. West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code	: 23110110.06	Sampled On	: 17/11/2023
Sample Name	: Indoor Air Quality Monitoring	Sample Received On	: 20/11/2023
Sample Description	: Asbestos Fiber	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: IS 11450
Sample Quantity	: NA	Equipment Used	: CVR/CH/252
Sampled By	: CVR Labs	Test Started On	: 20/11/2023
Customer Code	: NA	Test Completed On	: 04/12/2023

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	23110110.06	Slurry Mixer	17/11/2023	Area	5	11.25 A.M	12.25 P.M	60	60	0.041

T.P.T. (T. P. P. P. P.)
04/12/2023
Verified By

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nishu K.B.
K.B. NIRMALA
Authorized Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

Dignity Centre, II Floor, No. 2/9, Abdul Razack Street,
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030112

TEST REPORT

Page 7 of 12

Report No: 23110110.07

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmoro Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 23110110.07
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 17/11/2023
Sample Received On : 20/11/2023
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/254
Test Started On : 20/11/2023
Test Completed On : 04/12/2023

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/cc
01	23110110.07	BOD Area	17/11/2023	Area	5	11.30 A.M	12.30 P.M	60	60	0.045

T.Pd (T.Padma)
04/12/2023
Verified By

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nishu K. K.
K.B. NIRMALA
04/12/2023
Authorised Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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030143

TEST REPORT

Page 8 of 12

Report No: 23110110.08

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmari Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Report Date: 04/12/2023

Group: Atmospheric pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 23110110.08
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 17/11/2023
Sample Received On : 20/11/2023
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/256
Test Started On : 20/11/2023
Test Completed On : 04/12/2023

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	23110110.08	Pulveriser Area	17/11/2023	Area	5	11.35 A.M	12.35 P.M	60	60	0.038

T.P. # 07-12-2023
Verified By

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nishu Jaiswal
K. BINMALLA
Authorized Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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030111

TEST REPORT

Page 9 of 12

Report No: 23110110.09

Discipline : Chemical

Report Date: 04/12/2023

Group: Atmospheric pollution

CUSTOMER DETAILS

Customer Name & Address: **M/s. Ramco Industries Limited.,**
Dewanmaro Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code	: 23110110.09	Sampled On	: 17/11/2023
Sample Name	: Indoor Air Quality Monitoring	Sample Received On	: 20/11/2023
Sample Description	: Asbestos Fiber	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: IS 11450
Sample Quantity	: NA	Equipment Used	: CVR/CH/258
Sampled By	: CVR Labs	Test Started On	: 20/11/2023
Customer Code	: NA	Test Completed On	: 04/12/2023

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	23110110.09	Ball Mill	17/11/2023	Area	5	11.40 P.M	12.40 P.M	60	60	0.036

T-P4 CT-Pgm (M)
04/12/2023
Verified By

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nirmala K.B
K.B. NIRMALA
Authorised Signatory
04/12/2023



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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030119

TEST REPORT

Page 11 of 12

Report No: 23110110.11

Discipline : Chemical

Report Date: 04/12/2023

Group: Atmospheric pollution

CUSTOMER DETAILS

Customer Name & Address:

M/s. Rameo Industries Limited.,

Dewanmaro Ayma village Hariatara (PO) Hariatara,
Kharagpur - 721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 23110110.11

Sample Name : Indoor Air Quality
Monitoring

Sample Description : Asbestos Fiber

Sample Condition : Good

Sample Quantity : NA

Sampled By : CVR Labs

Customer Code : NA

Sampled On : 17/11/2023

Sample Received On : 20/11/2023

Sampling Location : NA

Sampling Procedure : NIOSH 7400

Equipment Used : CVR CH/260

Test Started On : 20/11/2023

Test Completed On : 04/12/2023

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	23110110.11	Pulveriser stack	17/11/2023	Area	5	1.35 P.M	2.35 P.M	60	60	0.046

For CVR LABS (P) LIMITED

Nirmala K.B.
K.B. NIRMALA
Authorized Signatory

T. P. L. C. Papi (P)
04/12/2023
Verified By

***** END OF REPORT *****



CVR Labs (P) Limited

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CS1528

TEST REPORT

Page 1 of 11

Report No: 24020032.01

Discipline : Chemical

Report Date: 22/02/2024

Group: Atmospheric pollution

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmaro Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24020032.01
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 01/02/2024
Sample Received On : 03/02/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CIH/254
Test Started On : 03/02/2024
Test Completed On : 22/02/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24020032.01	BOD AREA	01/02/2024	Area	1	10.00 AM	12.00 PM	120	120	0.047

T.P.2 CT-Pay (M)
Verified By 22/02/2024

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nirmala K.B.
22/02/2024
Authorised Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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031529

TEST REPORT

Page 2 of 11

Report No: 24020032.02

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmaro Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Report Date: 22/02/2024

Group: Atmospheric pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24020032.02
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 01/02/2024
Sample Received On : 03/02/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/252
Test Started On : 03/02/2024
Test Completed On : 22/02/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/cc
01	24020032.02	Slurry Mixer	01/02/2024	Area	1	10.10 AM	12.10 PM	120	120	0.043

T.P. Chatterjee
Verified By 22/02/2024

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nirmala K.B.
K.B. NIRMALA
Authorized Signatory



CVR Labs (P) Limited

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031539

Page 3 of 11

TEST REPORT

Report No: 24020032.03

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmaro Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Report Date: 22/02/2024

Group: Atmospheric pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24020032.03
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 01/02/2024
Sample Received On : 03/02/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/258
Test Started On : 03/02/2024
Test Completed On : 22/02/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24020032.03	Ball Mill	01/02/2024	Area	1	10.20 AM	12.20 PM	120	120	0.034

T.P. G. Prasad
Verified By 22/02/2024

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nirmala K.B

K.B. NIRMALA
Authorised Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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031531

TEST REPORT

Page 4 of 11

Report No: 24020032.04

Discipline : Chemical

Report Date: 22/02/2024

Group: Atmospheric pollution

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmari Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24020032.04
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 01/02/2024
Sample Received On : 03/02/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/256
Test Started On : 03/02/2024
Test Completed On : 22/02/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24020032.04	Pulverizer Area	01/02/2024	Area	1	10.30 AM	12.30 PM	120	120	0.036

T. Pal (T. Pal) (M)
Verified By 22/02/2024

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nirmala K.B
NIRMALA
Authorised Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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031532

TEST REPORT

Page 5 of 11

Report No: 24020032.05

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmuro Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Report Date: 22/02/2024

Group: Atmospheric pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24020032.05
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 01/02/2024
Sample Received On : 03/02/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/069
Test Started On : 03/02/2024
Test Completed On : 22/02/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24020032.05	Fiber Go down	01/02/2024	Area	1	10.40 AM	12.40 PM	120	120	0.045

T. Pal (Signature)
22/02/2024
Verified By

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nirmala (Signature)
K. D. NIRMALA
Authorized Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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031523

TEST REPORT

Page 6 of 11

Report No: 24020032.06

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address: **M/s. Ramco Industries Limited.,**
Dewanmaro Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code	: 24020032.06	Sampled On	: 01/02/2024
Sample Name	: Indoor Air Quality Monitoring	Sample Received On	: 03/02/2024
Sample Description	: Asbestos Fiber	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: IS 11450
Sample Quantity	: NA	Equipment Used	: CVR/CH/069
Sampled By	: CVR Labs	Test Started On	: 03/02/2024
Customer Code	: NA	Test Completed On	: 22/02/2024

S, No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24020032.06	Stripping Area	01/02/2024	Area	1	10.50 AM	12.50 PM	120	120	0.055

T. P. A. C. P. Singh
22/02/2024
Verified By

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nirmala K.B.
K.B. NIRMALA
Authorized Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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031534

TEST REPORT

Page 7 of 11

Report No: 24020032.07

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmaro Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24020032.07
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 01/02/2024
Sample Received On : 03/02/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR CH/066
Test Started On : 03/02/2024
Test Completed On : 22/02/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/cc
01	24020032.07	Moulding Area	01/02/2024	Area	1	11.00 AM	13.00 PM	120	120	0.033

T.P. (T. Panigrahy)
Verified By 22/02/2024

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nirmala K.B
K.B. NIRMALA
Authorized Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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031535

TEST REPORT

Page 8 of 11

Report No: 24020032.08

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmaro Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Report Date: 22/02/2024

Group: Atmospheric pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code	: 24020032.08	Sampled On	: 01/02/2024
Sample Name	: Indoor Air Quality Monitoring	Sample Received On	: 03/02/2024
Sample Description	: Asbestos Fiber	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: IS 11450
Sample Quantity	: NA	Equipment Used	: CVR/CH/068
Sampled By	: CVR Labs	Test Started On	: 03/02/2024
Customer Code	: NA	Test Completed On	: 22/02/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Filters/ cc
01	24020032.08	Auto Box Area	01/02/2024	Area	1	11.10 AM	13.10 PM	120	120	0.034

T.P. C. Rajan
Verified By 22/02/2024

***** END OF REPORT *****

For CVR LABS (P) LIMITED

N. Sampath
K.B. NIRMALA
Authorized Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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031526

TEST REPORT

Page 9 of 11

Report No: 24020032.09

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmaro Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Report Date: 22/02/2024

Group: Atmospheric pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24020032.09
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 01/02/2024
Sample Received On : 03/02/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/068
Test Started On : 03/02/2024
Test Completed On : 22/02/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24020032.09	Quality Lab	01/02/2024	Area	1	11.20 AM	13.20 PM	120	120	0.037

T. R. P. Singh
22/02/2024
Verified By

***** END OF REPORT *****

F - CVR LABS (P) LIMITED

Nirmala K.B
K.B. NIRMALA
Authorised Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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031527

TEST REPORT

Page 10 of 11

Report No: 24020032.10

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmaro Ayma village Hariatara (PO) Hariatara,
Kharagpur -721304, West Bengal India.

Report Date: 22/02/2024

Group: Atmospheric pollution

Customer Reference:

SAMPLE DETAILS

Sample Code : 24020032.10

Sample Name : Indoor Air Quality
Monitoring

Sample Description : Asbestos Fiber

Sample Condition : Good

Sample Quantity : NA

Sampled By : CVR Labs

Customer Code : NA

Sampled On : 01/02/2024

Sample Received On : 03/02/2024

Sampling Location : NA

Sampling Procedure : NIOSH 7400

Equipment Used : CVR/CH/260

Test Started On : 03/02/2024

Test Completed On : 22/02/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24020032.10	Pulverizer Stack	01/02/2024	Area	1	11.00 AM	11.30 PM	30	30	0.042

T. P. A. Panigrahy
Verified By 22/02/2024

***** END OF REPORT *****

For CVR LABS (P) LIMITED

K. B. MAMLA
Authorised Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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031523

TEST REPORT

Page 11 of 11

Report No: 24020032.11

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmuro Ayma village Hariatara (PO) Hariatara.

Kharagpur -721304, West Bengal India.

Report Date: 22/02/2024

Group: Atmospheric pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24020032.11
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 01/02/2024
Sample Received On : 03/02/2024
Sampling Location : NA
Sampling Procedure : NIOSH 7400
Equipment Used : CVR/CH/259
Test Started On : 03/02/2024
Test Completed On : 22/02/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/cc
01	24020032.11	Fiber Stack	01/02/2024	Area	1	16.00 PM	16.30 PM	30	30	0.041

T.P. C. Panigrahy
Verified By 22/02/2024

***** END OF REPORT *****

For CVR LABS (P) LIMITED

Nirmala
NIRMALA
Authorised Signatory