

Ramco Industries Limited



Dewanmoro Ayma
P.O.-Hariatara,
P.S.-Kharagpur (L)
Dt. Paschim Medinipur
West Bengal, Pin-721304
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RIL CIN NO.
L25943TN1965PL C005297

Date: 31/10/2022

To,
The IGF & In charge,
GOI, MOEF & CC,
Integrated Regional Office,
1B-198, Salt Lake City, Sector III,
Kolkata- 700106

Sub: Six Month Compliance Report

Dear Madam,

We are submitting our six-month compliance report from April'22 to September'2022 duly complied with.

Kindly acknowledge the same.

Thanking you,

Yours faithfully,

For Ramco Industries Ltd.

Partha Pratim Das
(Dy. General Manager-W)



Encl:

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

Note: For Publishing in website

For any suggestion/clarification/information sought by any public, should be contact Mr. Partha Pratim Das, DGM at mobile No-08945525257 during office hours on any working day.

Cc: 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 April'2022 to September'2022

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	We are complying with total dust emission limit of 2mg/Nm ³ as notification under the Environment (Protection) Act, 1986. Adequate



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.	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 environment is maintained with in 0.1fiber/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 e laid in accordance with Factories Act. Better housekeeping practices shall be adopted for improvement of the environment within the work environment also. These includes: - All monitoring transfer points shall be connected to dust extraction system. - Leakage or dust from machines and ducts shall be plugged. - Floor shall be cleaned by vacuum cleaner only. - 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. - Wet mopping being done in shop floor. - Vacuum cleaning done at BOD & ER mill are. - Wet waste is collected in clarifier and recycled in the process. - Process water is collected in two Cone tank and recycled in the process. - Broken sheets are collected and pulverized & reused in the process. - We are cleaning the shop floor with the help of Vacuum Cleaner (Capacity-1800 LPM). - 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 the manufacturing process.
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,	Regular medical examination of the workers and health monitoring of all the employees are carried out.



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 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.	will maintain record upto minimum 15 years after retirement or cessation of employment whichever is lower. A competent occupational health 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 5th 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 done the following CSR activities: 1. Donated 4 nos of used Computers Rs.7650/- to nearby government school. 2. Donated one Building of 600 Sq. Ft. To Benachali Sishu Shiksha Kendra of Rs-1,06,5849/-.



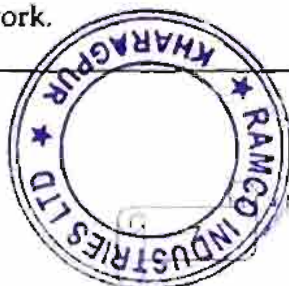
	3. Donated one Building of 400 Sq. Ft. to Hijli Rural Hospital of Rs-9,69,330/-. 4. Donated one Building of 600 Sq. Ft. To Amagachia Primary School of Rs-1,08,2232/-. 5. Donated one used Desktop Computer to Amgachia Primary School of Rs-1890/-.
xix. The company shall provide housing for construction 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 be carried out without prior approval of the Ministry Of Environment and Forest.	No further expansion/ modifications in 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	Noise levels in and around the Plant area are monitored regularly and is well under the limit.



	standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) & 70 dBA (night time).	
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 Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.	Environmental Expenses details are Recurring Expenses: - April'2022 to September'2022- Rs 10,71,090/-. 1) Garden Maintenance & Plantation- Rs-2,08,354/- 2) Personal Protective equipment, like Nose mask, hand gloves, Gum boot, etc- Rs-2,20,736/- 3) Environmental Monitoring jobs Rs-6,42,000/-
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	We have uploaded the six monthly compliance reports in our company website (www.ramcoindltd.com).



	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; PM ₁₀ , SO ₂ , 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 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 October'21 to March'22 in the month of April' 2022.
xiii.	The environmental statement for each financial year ending 31 st 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'31 st) 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 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.	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 with state 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	May'2022	Aug'2022
Fibre Godown	0.053 f/cc	0.024 f/cc
BOD	0.048 f/cc	0.030 f/cc
Slurry Mixer	0.055 f/cc	0.027 f/cc
Cutter Off	0.040 f/cc	0.033 f/cc
Auto Box	0.043 f/cc	0.036 f/cc
Moulding	0.054 f/cc	0.038 f/cc
Stripping	0.045 f/cc	0.026 f/cc
Pulveriser	0.046 f/cc	0.032 f/cc
Ball Mill	0.042 f/cc	0.035 f/cc
Stack Attached to BOD & Edge runner mill	0.043 f/cc	0.029 f/cc
Stack Attached to Pulveriser	0.058 f/cc	0.037 f/cc





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eiaci eiaci
Environmental Inspection & Analysis
Certification Body
ISO 17025:2017

IAS
ACCREDITED
Management Systems
Certification Body
MSCE-150
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 - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 13.04.2022
		Period of Analysis	: 14.04.2022 - 16.04.2022
		Date of Issue	: 18.04.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/45/April/A/I	Report No.	: ENV/45/April/TR(A)/1/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

StackAttached to	:	Cement & Fly Ash Feeding Section			
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.)	:	0.40
Capacity	:	10 Ton/hr. (Running Load - 06 Ton/hr.)	Height of sampling port (mtr.) (from G.L.)	:	8.4
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
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 40.0
2.	Barometric Pressure	mm of Hg.	--	: 759.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.12
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	: 4777.99
5.	Concentration of Particulate Matter	mg/Nm³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 1.80

Remarks :

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. S. P. Chowdhury
Dr. S. P. CHOWDHURY
Technical Manager



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TEST REPORT

FORMAT NO.: ENV/EM/08

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	: 13.04.2022
		Period of Analysis	: 14.04.2022 - 16.04.2022
		Date of Issue	: 18.04.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/45/April/A/II	Report No.	: ENV/45/April/TR(A)/II/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

StackAttached 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
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	43.0
2.	Barometric Pressure	mm of Hg.	..	759.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	8.35
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	1980.95
5.	Concentration of Particulate Matter	mg/Nm³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3605/D 3605M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	1.84

Remarks :

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Technical Manager, Chemical

Approved By :

Dr. S. K. Chatterjee
Dr. S. K. CHATTERJEE
General Manager



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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	: 13.04.2022
		Period of Analysis	: 14.04.2022 - 16.04.2022
		Date of Issue	: 18.04.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/45/April/A/III	Report No.	: ENV/45/April/TR(A)/III/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

StackAttached to	:	Pulverizer Section (No.1)			
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.)	:	0.254
Capacity	:	02 Ton/hr.	Height of sampling port (mtr.) (from G.L.)	:	4.572
Emission Due to	:	Process Activity (Pulverizing of Waste Sheet & 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
1.	Flue Gas Temperature	°C	IS : 11255 (Part I)	46.0
2.	Barometric Pressure	mm of Hg.	..	759.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	12.42
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	2109.07
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - I) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	1.91

Remarks :

Reviewed By :
Indrani Bhattacharya
INDRANI BHATTACHARYA
Technical Manager, Chemical

Approved By :
[Signature]
[Name]
[Designation]



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TEST REPORT

FORMAT NO.: ENV/FM/17

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	: 13.04.2022 - 14.04.2022
		Period of Analysis	: 14.04.2022 - 16.04.2022
		Date of Issue	: 18.04.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/45/April/A/IV	Report No.	: ENV/45/April/TR(A)/IV/22-23

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 759.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	48.37
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	81.48
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	7.68
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	28.54
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	0.20
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004: Sec. 11 (Vol. 11.07) : 2011	<0.36
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5166-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4th Edition 1994, Method 6015, issue 2	<4.18
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23rd Ed 3114C : 2017	<0.01

Remarks :

Reviewed By:

Indrani Bhattacharya

INDRANI BHATTACHARYA

Technical Manager, Chemical

Approved By:

Dr. Subrata Chatterjee
Dr. SUBRATA CHATTERJEE
Technical Manager



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ISO 9001:2015
ISO 14001:2015

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	: 13.04.2022 - 14.04.2022
		Period of Analysis	: 14.04.2022 - 16.04.2022
		Date of Issue	: 18.04.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/45/April/A/V	Report No.	: ENV/45/April/TR(A)/V/22-23

A) GENERAL INFORMATION

1. Location of Sampling : Near Stock Yard
2. Duration of Sampling : 24 hrs. (10:30 a.m. - 10:30 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 759.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	56.20
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	70.81
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.82
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	25.01
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	0.16
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004: Sec. 11 (Vol. 11.07) : 2011	<0.36
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C: 2017	<0.01

Remarks :

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. S. K. Bhattacharya
Dr. S. K. Bhattacharya
Director of Laboratory



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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 - Dewanmara Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 13.04.2022 - 14.04.2022
		Period of Analysis	: 14.04.2022 - 16.04.2022
		Date of Issue	: 18.04.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/45/April/A/VI	Report No.	: ENV/45/April/TR(A)/VI/22-23

A) GENERAL INFORMATION

1. Location of Sampling : Near Scrap Yard
2. Duration of Sampling : 24 hrs. [11:00 a.m. - 11:00 a.m.]

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 759.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	56.27
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	91.76
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	4.90
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	23.52
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	0.12
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004: Sec. 11 (Vol. 11.07) : 2011	<0.36
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, Issue 2	<4.18
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C: 2017	<0.01

Remarks :

Reviewed By :

Indrani Bhattacharya

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Dy. Technical Manager, Chemical

Approved By :

Dr. Subrata Ghosh
Dr. Subrata Ghosh
Dy. Technical Manager, Chemical



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TEST REPORT

FORMAT NO.: ENV/EM/32

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmoro Ayina, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 13.04.2022 - 14.04.2022
		Period of Analysis	: 14.04.2022 - 16.04.2022
		Date of Issue	: 18.04.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/45/April/A/VII	Report No.	: ENV/45/April/TR(A)/VII/22-23

A) GENERAL INFORMATION

1. Location of Sampling : Back Side of the Plant
2. Duration of Sampling : 24 hrs. (11:30 a.m. - 11:30 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 759.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	41.70
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	72.81
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	<4.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	20.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	<0.1
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004: Sec. 11 (Vol. 11.07) : 2011	<0.36
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, Issue 2	<4.18
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C: 2017	<0.01

Remarks :

Reviewed By :

Indranil Bhattacharya

INDRANIL BHATTACHARYA
Asst. Technical Manager, Chemical

Approved By :

Dr. P. K. Sanyal
Dr. P. K. SANYAL



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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	: 13.04.2022
		Period of Analysis	: 14.04.2022 - 25.04.2022
		Date of Issue	: 27.04.2022
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	ULR No.	: TC601422000000122F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500: 2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4): 1983, RA 2012	Hazen	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5): 1983, RA 2012	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11): 1984, RA 2012	--	6.92	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 7 and 8): 1983, RA 2012	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10): 1984, RA 2012	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16): 1984, RA 2014	mg./l	560.0	500.0	2000.0
7. Aluminium	IS 15302: 2003, RA 2014	mg./l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40): 1991, RA 2014	mg./l	70.54	75.0	200.0
9. Chloride	IS 3025 (Part 32): 1988, RA 2014	mg./l	59.98	250.0	1000.0
10. Iron	IS 3025 (Part 53): 2003, RA 2014	mg./l	0.58	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46): 1994, RA 2014	mg./l	5.76	30.0	100.0
12. Manganese	IS 3025 (Part 59): 2006, RA 2012	mg./l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34): 1988, RA 2014	mg./l	4.80	45.0	No Relaxation
14. Sulphate	IS 3025 (Part 24): 1986, RA 2014	mg./l	62.50	200.0	400.0
15. Total Alkalinity	IS 3025 (Part 23): 1986, RA 2014	mg./l	230.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009, RA 2014	mg./l	200.0	200.0	600.0
17. Zinc	IS 3025 (Part 49): 1994, RA 2014	mg./l	0.84	5.0	15.0
18. Mercury	IS 3025 (Part 48): 1994, RA 2009	mg./l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37): 1988, RA 2014	mg./l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52): 2003, RA 2014	mg./l	<0.02	N.A.	N.A.
21. Silica	APHA 23 rd 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.

Reviewed By:

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By:

Dr. Sumit Choudhury
Dr. SUMIT CHOUDHURY
Technical Manager



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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	: 14.04.2022		
		Period of Analysis	: 14.04.2022 - 16.04.2022		
		Date of Issue	: 18.04.2022		
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	ULR No.	: TC601422000000122F		

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500:2012
1. Total Coliform	9222B, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	9222 I, APHA 23 rd Ed., 2017	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.

Reviewed By:

Dr. Quality Manager

Approved By:

PRIYANKA MUKHERJEE
Technical Manager, Microbiology



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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	: 13.04.2022
		Period of Analysis	: 14.04.2022 - 25.04.2022
		Date of Issue	: 27.04.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Guest House	ULR No.	: TC601422000000123F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4): 1983, RA 2012	Hazen	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5): 1983, RA 2012	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11): 1984, RA 2012	--	7.02	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 7 and 8): 1983, RA 2012	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10): 1984, RA 2012	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16): 1984, RA 2014	mg./l	460.0	500.0	2000.0
7. Aluminium	IS 15302: 2003, RA 2014	mg./l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40): 1991, RA 2014	mg./l	57.71	75.0	200.0
9. Chloride	IS 3025 (Part 32): 1988, RA 2014	mg./l	44.98	250.0	1000.0
10. Iron	IS 3025 (Part 53): 2003, RA 2014	mg./l	0.42	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46): 1994, RA 2014	mg./l	8.64	30.0	100.0
12. Manganese	IS 3025 (Part 59): 2006, RA 2012	mg./l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34): 1988, RA 2014	mg./l	3.80	45.0	No Relaxation
14. Sulphate	IS 3025 (Part 24): 1986, RA 2014	mg./l	16.50	200.0	400.0
15. Total Alkalinity	IS 3025 (Part 23): 1986, RA 2014	mg./l	210.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009, RA 2014	mg./l	180.0	200.0	600.0
17. Zinc	IS 3025 (Part 49): 1994, RA 2014	mg./l	0.62	5.0	15.0
18. Mercury	IS 3025 (Part 48): 1994, RA 2009	mg./l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37): 1988, RA 2014	mg./l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52): 2003, RA 2014	mg./l	<0.02	N.A.	N.A.
21. Silica	APHA 23rd 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, June 2015.

Reviewed By:

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By:

Dr. P. K. CHANDHURY
Technical Manager



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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	: 13.04.2022		
		Period of Analysis	: 14.04.2022 - 16.04.2022		
		Date of Issue	: 27.04.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Drinking Water
Location	: Tap of Guest House	ULR No.	: TC601422000000123F		

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500: 2012
1. Total Coliform	9222B, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	9222 I, APHA 23 rd Ed., 2017	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.

Reviewed By:

DURGA CHAKTADORTY
Dy. Quality Manager

Approved By:

PRIYANKA MUKHERJEE
Technical Manager, Microbiology



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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	: 13.04.2022
		Period of Analysis	: 14.04.2022 - 19.04.2022
		Date of Issue	: 21.04.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Industrial Effluent Water (Grab)
Location	: Septic Tank Outlet	Sample ID No.	: ENV/10/April/W
		Report No.	: ENV/10/April/W/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH value	4500H-B APHA 23 rd Edition, 2017	-	7.38
2.	Total Suspended solids	2540 D APHA 23 rd Edition, 2017	mg/l	20.0
3.	Oil & Grease	5520 Oil B/D APHA 23 rd Edition, 2017	mg/l	2.6
4.	Chemical Oxygen Demand	5200 COD B/C/D APHA 23 rd Edition, 2017	mg/l	50.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 BOD B APHA 23 rd Edition, 2017	mg/l	15.0

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Suman Bhattacharya
Dr. SUMAN BHATTACHARYA
Technical Manager



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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TEST REPORT

Date: 12.05.2022	Report No: ICI/IL/A/PTC-354/2022	Format No: ICI/FM/H/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/PA-354
Address	Dewanmuro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, PaschimMedinipur.	Sampling Date : 09.05.2022
Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Time : 10.15 AM Analysis Start Date : 11.05.2022
Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis complete Date : 11.05.2022
Sample Description	STACK AIR	
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	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)	8.4
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)	35	Steam Generation Capacity :	
Barometric Pressure(mm Hg)	755	a) Rated	-
Velocity of Gas flow (m/s)	8.85	b) Running	-
Quantity of Gas flow (Nm³/hr)	2167.23	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 -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	CO % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	CO₂ % (V/V)	<0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debasish Halder
(Sr. Chemist)
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
 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 this 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 sample & Thimble is 180 days & thimble no. T-180 from the date of issue unless otherwise specified
 9. 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, Maheshtala, Kolkata-700142, Mob. : 7797245619, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 12.05.2022	Report No: ICI/HL/A/PTC-355/2022	Format No: ICI/FM/II/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/PA-355
Address	Dewanmaro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, PaschimMedinipur.	Sampling Date : 09.05.2022
Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Time : 11:15 AM Analysis Start Date : 11.05.2022
Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis complete Date : 11.05.2022
Sample Description	STACK AIR	
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)	15.0
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)	8.4
Whether Stack is provided with permanent Platform / Ladder	Yes		d) Ht. of port from disturbance zone (M)	-

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	36	Steam Generation Capacity :	
Barometric Pressure.(mm Hg)	755	a) Rated	-
Velocity of Gas flow (m/s)	8.62	b) Running	-
Quantity of Gas flow (Nm³/hr)	3739.64	Load : a) Rated	-
Pressure	-	b) Running	10 Ton/Hr.

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	1.6	IS 11255 (Part -1) 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	CO % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	CO₂ % (V/V)	<0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Mitra

For. INDICATIVE CONSULTANT INDIA

Debasis Halder
(Sr. Chemist)
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
 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-181 from the date of issue unless otherwise specified
 9. 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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 12.05.2022	Report No: ICI/HL/A/PTC-356/2022	Format No: ICI/FM/II/58
Customer Name	: M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/PA-356
Address	: Dewanmaro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, PaschimMedinipur.	Sampling Date : 09.05.2022
Customer Representative Name & Contact Number	: Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Time : 12:25 PM
Work Order No.	: KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis Start Date : 11.05.2022
Sample Description	: STACK AIR	Analysis complete Date : 11.05.2022
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	Material of Construction	: M.S
Emission due to	Stack ID at sampling point (M)	: 0.2541
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)	: 15.0
Sulphur Content (% by Wt)	b) Total Ht. Of stack from RL(M)	: -
Ash Content (% by Wt.)	c) Ht. of sampling port from GL(M)	: 6.7
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)	: 37	Steam Generation Capacity :
Barometric Pressure.(mm Hg)	: 755	a) Rated : -
Velocity of Gas flow (m/s)	: 8.11	b) Running : -
Quantity of Gas flow (Nm ³ /hr)	: 1415.24	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)	: 1.7	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	: -	
03.	CO % (V/V)	: <0.2	IS 13270:1992 (RA 2019)
04.	CO ₂ % (V/V)	: <0.2	IS 13270:1992 (RA 2019)

Prepared By: A. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debasmita Mondal
(Sr. Chemist)
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
 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-182 from the date of issue unless otherwise specified.
 9. 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, Maheshitla, Kolkata-700142, Mob. : 7797245819, 7797506970

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INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 16.05.2022	Report No: ICI/HLA/RN-385/2022	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/AC-385
Address	Dewanmuro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, PaschimMedinipur.	Sampling Date : 09.05.2022 to 10.05.2022
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Analysis Start Date : 11.05.2022
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis complete Date : 14.05.2022
#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)	

Sl. No.	Concentration	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	87.45	96.32	92.53	92.10	IS 5182 (Part - 23) 2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	25.03	37.93	31.33	31.43	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	19.30	24.38	21.33	21.67	IS 5182 (Part - 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	40.60	46.78	41.47	42.95	IS 5182 (Part - 6) 2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BDL	BDL	BDL	BDL	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	BDL	BDL	BDL	BDL	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	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	0.2615	0.3011	0.3375	0.3000	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	33.0	29.0	29.0	30.0	Hydrometer

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, Benzene - 1 µg / 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: A. Patra

For: INDICATIVE CONSULTANT INDIA

Debashis Mondal
(Sr. Chemist)
Signature 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: RA
 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 Papers) 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



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

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

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

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



9001:2015

45001:2018

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

TEST REPORT

Date: 16.05.2022	:	Report No: ICI/HL/A/RN-386/2022	Format No: ICI/FM/H/61
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/AC-386
Address	:	Dewanmaro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, PaschimMedinipur.	Sampling Date : 09.05.2022 to 10.05.2022
#Customer Representative Name & Contact Number	:	Mr. Taraknath Bose Mob. No. 70 63511804	Analysis Start Date : 11.05.2022
#Work Order No.	:	KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis complete Date : 14.05.2022
#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. - I)	

Sl. No.	Concentration	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	89.65	93.25	85.12	89.34	IS 5182 (Part - 23) 2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	29.08	32.99	30.73	30.93	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	18.28	25.29	19.30	20.99	IS 5182 (Part - 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	39.72	45.90	42.37	42.66	IS 5182 (Part - 6) 2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BDL	BDL	BDL	BDL	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	BDL	BDL	BDL	BDL	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	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	0.2711	0.3152	0.3407	0.3090	Non-Dispersive Infrared Spectrometry Method
10.	BenzotaPyrene (BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	33.0	29.0	29.0	30.0	Hydrometer

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: 100 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: 0.1 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: *[Signature]*

Checked By: *[Signature]*

For: INDICATIVE CONSULTANT INDIA

[Signature]
(Sr. Chemist)
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
 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 at public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (filter paper) is 150 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

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(W), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 16.05.2022	: Report No: ICI/HLA/RN-387/2022	Format No: ICI/FM/H/61
Customer Name	: M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/AC-387
Address	: Dewanmoro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, PaschimMedinipur.	Sampling Date : 09.05.2022 to 10.05.2022
#Customer Representative Name & Contact Number	: Mr. Taraknath Bose Mob. No. 70 63511804	Analysis Start Date : 11.05.2022
#Work Order No.	: KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis complete Date : 14.05.2022
#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)	

Sl. No.	Concentration	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	82.26	94.52	76.72	84.50	IS 5182 (Part - 23) 2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	28.33	36.63	30.34	31.77	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	18.28	24.38	20.31	20.99	IS 5182 (Part - 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (NO ₂)	µg / m ³	37.07	46.78	39.72	41.19	IS 5182 (Part - 6) 2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BDL	BDL	BDL	BDL	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	BDL	BDL	BDL	BDL	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	41.9	-	-	41.9	Guidelines for Measurement of ambient air pollutant (Vol 1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.2875	0.3117	0.3211	0.3068	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	33.0	29.0	29.0	30.0	Hydrometers

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, 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. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debasish Halder
(Sr. Chemist)
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
 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

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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

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INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 16.05.2022	: Report No: ICI/HL/A/RN-388/2022	Format No: ICI/FM/H/61
Customer Name	: M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/AC-388
Address	: Dewanmario, Ayma, P.O.-Hariatara, P.S.-Kharagpur, PaschimMedinipur.	Sampling Date : 09.05.2022 to 10.05.2022
#Customer Representative Name & Contact Number	: Mr. Taraknath Bose Mob. No. 70 63511804	Analysis Start Date : 11.05.2022
#Work Order No.	: KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis complete Date : 14.05.2022
#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.	Concentration	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	87.45	92.17	82.79	87.47	IS 5182 (Part - 23) 2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	31.01	36.10	31.61	32.91	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	18.28	24.38	19.30	20.65	IS 5182 (Part - 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	37.95	45.90	38.84	40.90	IS 5182 (Part - 6) 2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BDL	BDL	BDL	BDL	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	BDL	BDL	BDL	BDL	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	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	0.2716	0.3215	0.3305	0.3079	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 13) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	33.0	29.0	29.0	30.0	Hydrometer

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 - 100 µg / m³, 24 hours basis, Carbon monoxide - 2 mg / m³, O₃ - 100 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. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debasish Haldia
(Sr. Chemist)
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
 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 30 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

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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



Sl. No.	Parameters	Unit	Result	Desirable Limit	Permissible limit in the absence of alternate source	Method Followed
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Appearance	-	Clear	-	-	-
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(Part-5): 2018 APHA 23 rd Edition 2150 B
3.	pH (at 27°C)	-	6.50	6.5 to 8.5	No Relaxation	IS 3025(Part-11): 1983 APHA 23 rd Edition 4500-H B
4.	Colour	Hazen Unit	<5.0	5	15	IS 3025(Part-4): 1983 APHA 23 rd Edition 4500-H B
5.	Conductivity	µS/cm	112.9	-	-	IS 3025(Part-14): 1984 APHA 23 rd Edition 2510 B
6.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS 3025(Part-10): 1984 APHA 23 rd Edition 2150 B
7.	Total Dissolved Solid (TDS)	mg/L	104.0	500 (Max)	2000 (Max)	IS 3025(Part-16): 1984 APHA 23 rd Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
8.	Total Hardness as CaCO ₃	mg/L	48.4	200 (Max)	600 (Max)	IS 3025(Part-21): 2009 APHA 23 rd Edition 2340 C
9.	Ca Hardness as CaCO ₃	mg/L	34.6	-	-	APHA 23 rd Edition 2340 C
10.	Mg Hardness as CaCO ₃	mg/L	13.8	-	-	APHA 23 rd Edition 2340 C
11.	Calcium as Ca	mg/L	13.9	75 (Max)	200 (Max)	IS 3025(Part-40): 1991 APHA 23 rd Edition 3500Ca B
12.	Magnesium as Mg	mg/L	3.4	30 (Max)	100 (Max)	IS 3025(Part-46): 1994 APHA 23 rd Edition 3500Mg B
13.	Chloride as Cl	mg/L	18.1	250 (Max)	1000 (Max)	IS 3025(Part-32): 1988 APHA 23 rd Edition 4500Cl B
14.	Total Alkalinity as CaCO ₃	mg/L	36.2	200 (Max)	600 (Max)	IS 3025(Part-23): 1986 APHA 23 rd Edition 2320 B
15.	P-Alkalinity as CaCO ₃	mg/L	Nil	-	-	APHA 23 rd Edition 2320B
16.	M-Alkalinity as CaCO ₃	mg/L	36.2	-	-	APHA 23 rd Edition 2320B
17.	Iron as Fe	mg/L	0.11	0.3 (Max)	No Relaxation	IS 3025(Part-53): 2003 APHA 23 rd Edition 3500-Fe B
18.	Sulfate as SO ₄	mg/L	10.0	200 (Max)	400 (Max)	IS 3025(Part-24): 1986 APHA 23 rd Edition 4500 SO ₄ E

Date: 18.05.2022	Report No: ICI/HPLA/RN-774/2022	Format No: ICI/FM/RH/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanbaro, Asma, P.O. -Hurlatara, P.S. - Khuragpur, Paschim Medinipur.	Sampling Date
#Customer Representative Name & Contact Number	Mr. Tarakanath Bose Mob. No. 70 63511804	Sampling Time
		Analysis Start Date
		Analysis complete Date
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	
#Sample Description	DRINKING WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part 1): 1987 (RA 2019), APHA 23 rd ed 2017	
Test Method	APHA 23 rd ed 2017, IS:3025	
# Location	INSIDE OF THE PLANT	

TEST REPORT

Towards Sustainable Growth



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

Report No: ICI/HL/W/RN-774/2022

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
19	Phosphate as P	mg/L	<0.02	-	-	APHA 23 rd Edition 4500P D
20	Silica as SiO ₂	mg/L	24.7	-	-	IS 3025(Part-35) 1988, RA 2019 APHA 23 rd Edition 4500 SiO ₂ C
21	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
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

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
BACTERIOLOGICAL PARAMETERS						
1.	Total Coliform	MPN/100 ml	<2.0	Shall not be detectable in any 100 ml of sample	-	IS 1622 1981 (RA 2019)
2.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS 1622 1981 (RA 2019)

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: J. Mandal

Debasish Halder
(Sr. Chemist)
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 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 1 of 1

—End of Report—

CENTRAL LABORATORY :

KOLKATA LABORATORY :

WEBSITE :

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

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

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INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 18.05.2022	Report No: ICI/HL/WRN-775/2022	Format No: ICI/FM/H/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/W-775
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.- Kharagpur, Paschim Medinipur.	Sampling Date : 09.05.2022
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Time : 12:45 PM Analysis Start Date : 10.05.2022 Analysis complete Date : 17.05.2022
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	
#Sample Description	DRINKING WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part 1): 1987 (RA 2019), APHA 23 rd ed 2017	
Test Method	APHA 23 rd ed 2017, IS:3025	
# Location	GUEST HOUSE	

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.	Appearance	-	Clear	-	-	-
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5): 2018 APHA 23 rd Edition 2150 B
3.	pH (at 27°C)	-	6.51	6.5 to 8.5	No Relaxation	IS:3025(Part-11): 1983- RA 2017 APHA 23 rd Edition 4500-H B
4.	Colour	Hazen Unit	<5.0	5	15	IS:3025(Part-4): 1983- RA 2017
5.	Conductivity	µS/cm	111.9	-	-	IS:3025(Part-14): 1984- RA 2019 APHA 23 rd Edition 2510 B
6.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10): 1984- RA 2017 APHA 23 rd Edition 2130 B
7.	Total Dissolved Solid (TDS)	mg/l.	96.0	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						
8.	Total Hardness as CaCO ₃	mg/L	40.5	200 (Max)	600 (Max)	IS:3025(Part-21): 2009- RA 2019 APHA 23 rd Edition 2340 C
9.	Ca Hardness as CaCO ₃	mg/L	34.6	-	-	APHA 23 rd Edition 2340 C
10.	Mg Hardness as CaCO ₃	mg/L	5.8	-	-	APHA 23 rd Edition 2340 C
11.	Calcium as Ca	mg/L	13.9	75 (Max)	200 (Max)	IS:3025(Part-40): 1991- RA 2014 APHA 23 rd Edition 3500Ca B
12.	Magnesium as Mg	mg/L	1.4	30 (Max)	100 (Max)	IS:3025(Part-46): 1994- RA 2019 APHA 23 rd Edition 3500Mg B
13.	Chloride as Cl	mg/L	19.0	250 (Max)	1000 (Max)	IS:3025(Part-32): 1988- RA 2019 APHA 23 rd Edition 4500Cl B
14.	Total Alkalinity as CaCO ₃	mg/L	34.2	200 (Max)	600 (Max)	IS:3025(Part-23): 1986- RA 2019 APHA 23 rd Edition 2320 B
15.	P-Alkalinity as CaCO ₃	mg/L	Nil	-	-	APHA 23 rd Edition 2320B
16.	M-Alkalinity as CaCO ₃	mg/L	34.2	-	-	APHA 23 rd Edition 2320B
17.	Iron as Fe	mg/L	0.08	0.3 (Max)	No Relaxation	IS:3025(Part-53): 2003- RA 2019 APHA 23 rd Edition 3500-Fe B
18.	Sulfate as SO ₄	mg/L	12.6	200 (Max)	400 (Max)	IS:3025(Part-24): 1986- RA 2019 APHA 23 rd Edition 4500 SO ₄ E



Page: 1 of 2

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

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INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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



Report No: IC/HLAV/RN-775/2022

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
19.	Phosphate as P	mg/L	<0.02	-	-	APHA 23 rd Edition 4500P D
20.	Silica as SiO ₂	mg/L	23.3	-	-	IS 3025(Part-35) 1988, RA 2019 APHA 23 rd Edition 4500 SiO ₂ C
21.	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
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

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
BACTERIOLOGICAL PARAMETERS						
1.	Total Coliform	MPN/100 ml	<2.0	Shall not be detectable in any 100 ml of sample	-	IS 1622:1981 (RA 2019)
2.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS 1622:1981 (RA 2019)

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. Mandal

Checked By: J. Mandal

Signature of J. Mandal
(Sr. Chemist)
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 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 1 of 1

End of Report

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

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

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INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 12.05.2022	Report No: ICI/HL/N/TC-076/2022	Format No: ICI/FM/H/68
Customer Name	M/s. RAMCO INDUSTRIES LTD.	
Address	Dewanmari, Ayra, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur.	
#Customer Representative Name & Contact No.	Mr. Taraknath Bose Mob. No. 70 63511804	
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	
#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	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2022/N-391	09.05.2022	12:10 PM	84.65	86.1	83.6	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)
2022/N-392	09.05.2022	12:30 PM	81.75	83.8	79.9	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)
2022/N-393	09.05.2022	12:50 PM	81.24	82.7	79.9	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)
2022/N-394	09.05.2022	01:10 PM	82.38	83.9	80.5	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: K. Mondal

Checked By: A. Mitra

Debashis Halder
(Sr. Chemist)
Signatory Authority

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: Haldia Laboratory



Page 1 of 1

End of Report

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

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INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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TEST REPORT

Date: 12.05.2022	Report No: ICI/HL/N/TC-077/2022	Format No: ICI/FM/H/68
Customer Name	M/s. RAMCO INDUSTRIES LTD.	
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	
#Customer Representative Name & Contact No.	Mr. Taraknath Bose Mob. No. 70 63511804	
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	
#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)
2022/N-395	09.05.2022	10:30 AM	49.34	50.5	48.2	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)
2022/N-396	09.05.2022	10:55 AM	60.39	61.7	58.9	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)
2022/N-397	09.05.2022	11:20 AM	64.20	65.3	62.3	As per note

#Noise Source/ Location: NEAR 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)
2022/N-398	09.05.2022	11:45 AM	64.58	65.2	63.7	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

Prepared by: M. Mondal

Checked By: A. Mitra

For. INDICATIVE CONSULTANT INDIA

Debasish Halder
(Sr. Chemist)
Signatory Authority

Test Witnessed By: Sampling was done in front of customer's representative

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: 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
 - Noise data was recorded at the customer site in presence of customer's representative
 - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 - The reproduction of the report except in full is invalid without written approval of the laboratory
 - Location of Testing: Haldia Laboratory



Page 1 of 1

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, Maheshala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



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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	: 03.06.2022
		Period of Analysis	: 04.06.2022 - 06.06.2022
		Date of Issue	: 08.06.2022
Sampling Plan & Procedure	: ENV/SOP/D1	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/02/June/A/1	Report No.	: ENV/02/June/TR(A)/1/22-23

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.)	: 8.4
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)	: 36.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	: 8.27	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	: 3571.61	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 1.80	2.0

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

Reviewed By :

Approved By :

Dr. ALOK PAUL
In-charge



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TEST REPORT

FORMAT NO.: ENV/EM/CR

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	: 03.06.2022
		Period of Analysis	: 04.06.2022 - 06.06.2022
		Date of Issue	: 08.06.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/02/June/A/II	Report No.	: ENV/02/June/TR(A)/II/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

StackAttached 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 I)	: 32.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	: 10.42	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	: 2566.61	N.A.
5.	Concentration of Particulate Matter	mg/Nm³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec. 11 (Vol. 3 11.07): 2011	: 1.68	2.0

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

Reviewed By:

Approved By:



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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	: 03.06.2022
		Period of Analysis	: 04.06.2022 - 06.06.2022
		Date of Issue	: 08.06.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/02/June/A/III	Report No.	: ENV/02/June/TR(A)/III/22-23

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)
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)	: 40.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 753.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	: 14.89	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	: 2556.59	N.A.
5.	Concentration of Particulate Matter	mg/Nm³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec. 11 (Vol 3 11.07): 2011	: 1.80	2.0

Remarks : Limit as per CPCB (Emission Regulation Part IV: COINDS/26/1985-87).
: N.A. means Not Available.

Reviewed By:

Approved By:

Dr. A. Y. PAUL
General Manager



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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 Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 03.06.2022 - 04.06.2022
		Period of Analysis	: 04.06.2022 - 06.06.2022
		Date of Issue	: 08.06.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/02/June/A/V	Report No.	: ENV/02/June/TR(A)/V/22-23

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) : 32.0
2. Average Relative Humidity (%) : 78.0
3. Barometric Pressure (mm of Hg) : 753.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Partly Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	54.16	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	90.24	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	8.57	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	32.48	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	0.38	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004: Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<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.

Reviewed By :

Approved By :

U. S. PAUL
Quality Manager



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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. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 03.06.2022 - 04.06.2022
		Period of Analysis	: 04.06.2022 - 06.06.2022
		Date of Issue	: 08.06.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/02/June/A/VI	Report No.	: ENV/02/June/TR(A)/VI/22-23

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.0
2. Average Relative Humidity (%) : 78.0
3. Barometric Pressure (mm of Hg) : 753.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Partly Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	46.26	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	81.21	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.85	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	26.48	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	0.26	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004: Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<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.

Reviewed By:

Approved By:



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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the	Ramco Industries Ltd.
Industry	Vill. - Dewannare Ayma, P.O. - Harhatara, Kharagpur,
Address	Paschim Medinipur - 721304
Sampling Plan & Procedure	ENV/SOP/01
	Deviation from the Sampling Method and Plan
Sample ID No.	ENV/02/June/A/VII
	Report No.
ENV/02/June/TR(A)/VII/22-23	
Type of Industry	Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
	Sampling Date
Date of Issue	03.06.2022 - 04.06.2022
	Period of Analysis
No	04.06.2022 - 06.06.2022
	08.06.2022
Type of Sample	Ambient Air

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C)	32.0
2. Average Relative Humidity (%)	78.0
3. Barometric Pressure (mm of Hg)	753.0
4. Smell or Odour	No Remarkable Smell
5. Weather Condition	Partly Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	56.27	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	89.50	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	8.14	80.0
4.	Concentration of NO ₂	µg/m ³	2007: Sec. 11 (Vol. 11.07) : 2011 IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	32.56	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94	0.42	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	2004 : Sec. 11 (Vol. 11.07) : 2011 IS 5182 (Part 11) S466-01 reapproved	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	2007 : Sec. 11 (Vol. 11.07) : 2011 IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method	<4.18	400.0
11.	Nickel (Ni)	µg/m ³	EPA IO 3.2, 1999 6015, Issue 2	<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

Reviewed By:

Approved By:

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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. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 03.06.2022 - 04.06.2022
		Period of Analysis	: 04.06.2022 - 06.06.2022
		Date of Issue	: 08.06.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/02/June/A/VIII	Report No.	: ENV/02/June/TR(A)/VIII/22-23

A) GENERAL INFORMATION

1. Location of Sampling : Back Side of the Plant
2. Duration of Sampling : 24 hrs. (10:20 a.m. - 10:20 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.0
2. Average Relative Humidity (%) : 78.0
3. Barometric Pressure (mm of Hg) : 753.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Partly Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	51.29	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	82.48	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.85	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	28.48	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	0.32	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-9B reapproved 2004: Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, Issue 2	<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.

Reviewed By:

[Signature]

Approved By:

[Signature]

ANIL PAUL
Lab. Manager



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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	: 03.06.2022
		Period of Analysis	: 04.06.2022 - 06.06.2022
		Date of Issue	: 08.06.2022
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	ULR No.	: TC601422000000167F

PARAMETERS		METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
					Acceptable	Permissible
1.	Colour	IS 3025 (Part 4): 1983, RA 2012	Hazen	1.0	5.0	15.0
2.	Odour	IS 3025 (Part 5): 1983, RA 2012	--	Odourless	Agreeable	Agreeable
3.	pH	IS 3025 (Part 11): 1984, RA 2012	--	6.62	6.5-8.5	No Relaxation
4.	Taste	IS 3025 (Part 7 and 8): 1983, RA 2012	--	Acceptable	Agreeable	Agreeable
5.	Turbidity	IS 3025 (Part 10): 1984, RA 2012	NTU	<1.0	1.0	5.0
6.	Total Dissolved Solids	IS 3025 (Part 16): 1984, RA 2014	mg./l	86.0	500.0	2000.0
7.	Aluminium	IS 15302: 2003, RA 2014	mg./l	<0.02	0.03	0.2
8.	Calcium	IS 3025 (Part 40): 1991, RA 2014	mg./l	15.87	75.0	200.0
9.	Chloride	IS 3025 (Part 32): 1988, RA 2014	mg./l	14.19	250.0	1000.0
10.	Iron	IS 3025 (Part 53): 2003, RA 2014	mg./l	0.08	1.0*	No Relaxation
11.	Magnesium	IS 3025 (Part 46): 1994, RA 2014	mg./l	2.64	30.0	100.0
12.	Manganese	IS 3025 (Part 59): 2006, RA 2012	mg./l	<0.05	0.1	0.3
13.	Nitrate	IS 3025 (Part 34): 1988, RA 2014	mg./l	2.50	45.0	No Relaxation
14.	Sulphate	IS 3025 (Part 24): 1986, RA 2014	mg./l	6.80	200.0	400.0
15.	Total Alkalinity	IS 3025 (Part 23): 1986, RA 2014	mg./l	48.4	200.0	600.0
16.	Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009, RA 2014	mg./l	50.6	200.0	600.0
17.	Zinc	IS 3025 (Part 49): 1994, RA 2014	mg./l	0.12	5.0	15.0
18.	Mercury	IS 3025 (Part 48): 1994, RA 2009	mg./l	<0.001	0.001	No Relaxation
19.	Arsenic	IS 3025 (Part 37): 1988, RA 2014	mg./l	<0.01	0.01	No Relaxation*
20.	Chromium	IS 3025 (Part 52): 2003, RA 2014	mg./l	<0.02	N.A.	N.A.
21.	Silica	APHA 23rd Ed., 4500 SiO ₂ -C/F: 2017	mg./l	2.60	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.

Reviewed By :

[Signature]

Approved By :

[Signature]

INTERIM TO BE SUBMITTED BY THE LAB.



ENVIROCHECK

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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	:	03.06.2022		
				Period of Analysis	:	04.06.2022 – 06.06.2022		
				Date of Issue	:	08.06.2022		
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		ULR No.	:	TC601422000000167F		

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500:2012
1. Total Coliform	9222B, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	9222 I, APHA 23 rd Ed., 2017	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.

Reviewed By :

By, Quality Manager

Approved By :

Priyanka Meekhan
Technical Head, Quality

Approved By :

Reviewed By :

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.

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS:10500:2012)
1. Colour	IS 3025 (Part 4): 1983, RA 2012	Hazen	1.0	5.0
2. Odour	IS 3025 (Part 5): 1983, RA 2012	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11): 1984, RA 2012	--	6.52	6.5-8.5
4. Taste	IS 3025 (Part 7 and 8): 1983, RA 2012	--	Acceptable	Agreeable
5. Turbidity	IS 3025 (Part 10): 1984, RA 2012	NTU	<1.0	1.0
6. Total Dissolved Solids	IS 3025 (Part 16): 1984, RA 2014	mg/l	89.0	500.0
7. Aluminium	IS 15302: 2003, RA 2014	mg/l	<0.02	0.03
8. Calcium	IS 3025 (Part 40): 1991, RA 2014	mg/l	18.51	75.0
9. Chloride	IS 3025 (Part 32): 1988, RA 2014	mg/l	12.16	250.0
10. Iron	IS 3025 (Part 53): 2003, RA 2014	mg/l	0.10	1.0*
11. Magnesium	IS 3025 (Part 46): 1994, RA 2014	mg/l	3.16	30.0
12. Manganese	IS 3025 (Part 59): 2006, RA 2012	mg/l	<0.05	0.1
13. Nitrate	IS 3025 (Part 34): 1988, RA 2014	mg/l	1.80	45.0
14. Sulphate	IS 3025 (Part 24): 1986, RA 2014	mg/l	7.20	200.0
15. Total Alkalinity	IS 3025 (Part 23): 1986, RA 2014	mg/l	57.2	200.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009, RA 2014	mg/l	59.4	200.0
17. Zinc	IS 3025 (Part 49): 1994, RA 2014	mg/l	0.21	5.0
18. Mercury	IS 3025 (Part 48): 1994, RA 2009	mg/l	<0.001	0.001
19. Arsenic	IS 3025 (Part 37): 1988, RA 2014	mg/l	<0.01	0.01
20. Chromium	IS 3025 (Part 52): 2003, RA 2014	mg/l	<0.02	N.A.
21. Silica	APHA 23 rd Ed., 4500 SIO ₂ -C/F: 2017	mg/l	1.50	N.A.

Name of the	Ramco Industries Ltd.
Industry	Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	Vill. - Dewannaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304
Sampling Plan & Procedure	ENV/SOP/01
Location	Tap of Guest House
ULR No.	TC601422000000168F
Sampling	Deviation from the Sampling Method and Plan
No	Type of Sample
Date of Issue	08.06.2022
Period of Analysis	04.06.2022 - 06.06.2022
Sampling Date	03.06.2022

TEST REPORT

FORMAT NO. ENV/FM/55





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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	:	03.06.2022		
				Period of Analysis	:	04.06.2022 – 06.06.2022		
				Date of Issue	:	08.06.2022		
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Drinking Water
Location	:	Tap of Guest House		ULR No.	:	TC601422000000168F		

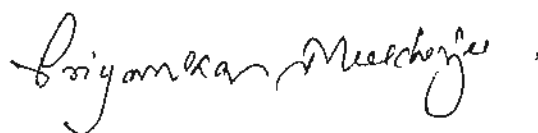
PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500, 2012
1. Total Coliform	9222B, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	9222 I, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample

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.

Reviewed By :

 LABORTY

Approved By :



PRIVANCA SHUKLA
Technical Manager, Microbiology

TEST REPORT

1.	Name of the Industry / Project	Ranico Industries Limited
2.	Address	Village - Dewamano Ayma, P.O. - Haritara, P.S. - Kharagpur, District - Pachim Medinipur,
3.	Type of Industry	Asbestos Cement Corrugated & Accessories Manufacturing Unit
4.	Sampling Plan & Procedure	ENV/SOP/01
5.	Deviation from the Sampling Method & Plan	No
6.	Type of Sample	Noise
7.	Sample ID	ENV/01/June/N
8.	Report ID	ENV/01/June/N/22-23
9.	Date of Study	03/06/2022
10.	Reporting Date	21/06/2022
11.	Method No.	IS: 9989 - 1981
12.	Time of Duration of Noise	20 Minutes
13.	Height from Ground Level	4 feet

RESULT OF NOISE LEVEL STUDY

1.	Location of Study	Near Main Gate	Minimum	52.0	Maximum	53.9	Leg	53.05
	Time (A.M)		dB(A)		dB(A)			
	10:20 - 10:40							
2.	Location of Study	Near Main Gate	Minimum	45.3	Maximum	50.0	Leg	48.26
	Time (P.M)		dB(A)		dB(A)			
	10:00 - 10:20							
3.	Location of Study	Near Stock Yard	Minimum	57.5	Maximum	64.8	Leg	62.53
	Time (A.M)		dB(A)		dB(A)			
	10:50 - 11:10							
4.	Location of Study	Near Stock Yard	Minimum	52.2	Maximum	57.4	Leg	55.54
	Time (P.M)		dB(A)		dB(A)			
	10:30 - 10:50							
5.	Location of Study	Near Scrap Yard	Minimum	65.4	Maximum	69.2	Leg	67.70
	Time (A.M)		dB(A)		dB(A)			
	11:20 - 11:40							
6.	Location of Study	Near Scrap Yard	Minimum	50.9	Maximum	54.7	Leg	53.20
	Time (P.M)		dB(A)		dB(A)			
	11:00 - 11:20							
7.	Location of Study	Near Side of the Plant	Minimum	66.1	Maximum	69.5	Leg	68.12
	Time (P.M)		dB(A)		dB(A)			
	11:50 - 12:10							
8.	Location of Study	Near Side of the Plant	Minimum	53.4	Maximum	57.9	Leg	56.21
	Time (P.M)		dB(A)		dB(A)			
	11:30 - 11:50							



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** Mean of L_{eq} - Equivalent to Sound Energy Limit in Leq dB(A)		
Category Area	Day Time dB(A)	Night Time dB(A)
A. Industrial Area	75	70
B. Commercial Area	65	55
C. Residential Area	55	45
D. Silence Zone	50	40
**Day Time is reckoned in between 6:00 A.M. & 10:00 P.M.		**Night Time is reckoned in between 10:00 P.M. & 6:00 A.M.
(Central Pollution Control Board, Ministry of Environment & Forests Government of India) & (Department of Environment, Government of West Bengal)		
(Central Pollution Control Board, Ministry of Environment & Forests Government of India) & (Department of Environment, Government of West Bengal)		
PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS		
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:

Mr. Quality Manager

Approved By:

Dr. AJAY PAUL
Quality Manager

>End of Report<



ENVIROCHECK

Recognised by MoEF&CC, WRPCB & JSPCH
Accredited by NABL (ISO/IEC 17025:2017)
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	: 03.06.2022
		Period of analysis	: 04.06.2022 - 07.06.2022
		Date of Issue	: 09.06.2022
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 ID No.	: ENV/02/June/W
		Report No.	: ENV/02/June/TR(W)/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH value	4500 H+B APHA 23 rd Edition, 2017	--	6.11	5.5 - 9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	20.0	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	3.6	10.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	58.8	250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 B APHA 23 rd Edition, 2017	mg/l	23.0	30.0

Remarks: 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.

Reviewed By:

Approved By:

Dr. AJOY PAUL
Manager



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 09.07.2022	Report No: ICI/HI/A/PTC-448/2022	Format No: ICI/FM/H/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/PA-448
Address	Dewanmari, Ayma, P.O. - Hariatara, P.S. - Kharagpur, Paschim Medinipur.	Sampling Date : 05.07.2022
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Time : 01:30 PM
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis Start Date : 07.07.2022
#Sample Description	STACK AIR	Analysis complete Date : 08.07.2022
#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	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)	8.4
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)	36	Steam Generation Capacity :	
Barometric Pressure (mm Hg)	752	a) Rated	-
Velocity of Gas flow (m/s)	8.68	b) Running	-
Quantity of Gas flow (Nm ³ /hr)	2062.38	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)	1.5	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-	
03.	CO % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	CO ₂ % (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, 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-269 from the date of issue unless otherwise specified.
 - 9 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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 09.07.2022	Report No: ICI/HL/A/PTC-449/2022	Format No: ICI/FMAU/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewammaro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	2022/PA-449
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Date
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	Sampling Time
#Sample Description	STACK AIR	Analysis Start Date
#Location	CEMENT & FLY ASH FEEDING SECTION	Analysis complete Date
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)	36	Steam Generation Capacity :	
Barometric Pressure, (mm Hg)	752	a) Rated	-
Velocity of Gas flow (m/s)	8.64	b) Running	-
Quantity of Gas flow (Nm ³ /hr)	3731.99	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)	1.3	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-	
03.	CO % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	CO ₂ % (V/V)	<0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Mitra

For, INDICATIVE CONSULTANT INDIA

Debasish Halda

(Sr. Chemist)

Signature



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-268 from the date of issue unless otherwise specified
 9. 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, Maheshitafa, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



9001:2015

45001:2018

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

TEST REPORT

Date: 09.07.2022	Report No: ICI/HL/A/PTC-450/2022	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.	2022/PA-450
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Date
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	05.07.2022
#Sample Description	STACK AIR	Sampling Time
#Location	PULVERIZER SECTION	12:00 PM
Sample Condition	In Glass Microfiber Thimble	Analysis Start Date
Sampling Method	CPCB, Emission Regulation (Part III)	07.07.2022
		Analysis complete Date
		08.07.2022

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	M.S
Fuel Used			Stack ID at sampling point (M)	0.2541
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)	15.0
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)	6.7
Whether Stack is provided with permanent Platform / Ladder	Yes		d) Ht. of port from disturbance zone (M)	

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	34	Steam Generation Capacity :	
Barometric Pressure (mm Hg)	752	a) Rated	
Velocity of Gas flow (m/s)	9.31	b) Running	
Quantity of Gas flow (Nm ³ /hr)	1632.56	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)	1.3	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)		
03.	CO % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	CO ₂ % (V/V)	<0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debasish Haldia
(Sr. Chemist)
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
 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-267 from the date of issue unless otherwise specified.
 9. 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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 09.07.2022	Report No: IC/HL/A/PTC-45/2022	Format No: IC/FM/11/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmaro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	2022/PA-451
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No 70 63511804	Sampling Date
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	05.07.2022
#Sample Description	STACK AIR	Sampling Time
#Location	D.G. SET (725 KVA)	03.00 PM
Sample Condition	In Glass Microfiber Thimble & Plastic Bottle	Analysis Start Date
Sampling Method	CPCB, Emission Regulation (Part III)	07.07.2022
		Analysis complete Date
		08.07.2022

A. # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	D.G. SET (725 KVA)	Shape of Stack	Circular
Stack attached to	Combustion of H S D	Material of Construction	M.S
Emission due to	H S D	Stack ID at sampling point (M)	0.20
Fuel Used	145 Lit/Hr.	At Bottom (M)	-
Rated Fuel Consumption	145 Lit/Hr.	At Top (M)	0.20
Working Fuel Consumption	-	Height Details :	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	16.0
Sulphur Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt.)	-	c) Ht. of sampling port from GL(M)	8.4
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)	184	Steam Generation Capacity :	
Barometric Pressure,(mm Hg)	752	a) Rated	-
Velocity of Gas flow (m/s)	14.09	b) Running	-
Quantity of Gas flow (Nm³/hr)	1014.69	Load :	
Pressure	-	a) Rated	725 KVA
		b) Running	725 KVA

C. # RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	50.0	IS 11255 (Part -1) 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	Sulphur di-oxide (mg/ Nm³)	225.33	IS 11255 (Part -2) 1985 (RA 2019)
04.	NOx (mg/m³)	151.72	IS 11255 (Part -7) 2005 (RA 2017)
05.	CO % (V/V)	<0.2	IS 13270:1992 (RA 2019)
06.	CO₂ % (V/V)	6.4	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debasish Halder
(Sr. Chemist)
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
 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) as 180 days & thimbles no. T-270 from the date of issue unless otherwise specified
 9. 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. : 03224-275755, 9434017584, 9232395890, 7797506973

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

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 13.07.2022	:	Report No: ICI/HLA/RN-575/2022	Format No: ICI/FM/H/61
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	:	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, PaschimMedinipur	Sampling Date
#Customer Representative Name & Contact Number	:	Mr. Taraknath Bose Mob. No. 70 63511804	Analysis Start Date
#Work Order No.	:	KHG/POR/0217/22-23, Dtd. 10.05.2022	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 3 rd Edition, CPCB Guideline (Vol. - 1)	

Sl. No.	Concentration	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	81.37	93.25	76.51	83.71	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	21.98	35.11	27.09	28.06	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	17.27	25.39	19.30	20.65	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO ₂)	µg / m ³	39.72	43.25	40.60	41.19	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BDL	BDL	BDL	BDL	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	BDL	BDL	BDL	BDL	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	41.9	-	-	41.9	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.2712	0.3117	0.3405	0.3078	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	32.0	29.0	29.0	30.0	Hydrometer

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 mono oxide=2 mg/m³, O₃=100µg/m³ Shows 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: *[Signature]*

Checked By: A. Patra

For, 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 photocopy of test report
 8. Retention period of tested samples (Filter Paper) is 90 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

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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



9001:2015

45001:2018

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

TEST REPORT

Date: 13.07.2022	:	Report No: ICI/HL/A/RN-576/2022	Format No: ICI/FM/H/61
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/AC-576
Address	:	Dewanmaro, Ayma, P.O.-Hariatara, P.S.-Kharagpur, PaschimMedinipur.	Sampling Date : 05.07.2022 to 06.07.2022
#Customer Representative Name & Contact Number	:	Mr. Taraknath Bose Mob. No. 70 63511804	Analysis Start Date : 07.07.2022
#Work Order No.	:	KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis complete Date : 12.07.2022
#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. - I)	

Sl. No.	Concentration	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	84.76	91.24	81.72	85.91	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	24.87	34.48	30.46	29.94	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	17.27	24.38	19.30	20.32	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO ₂)	µg / m ³	38.84	44.13	37.07	40.01	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BDL	BDL	BDL	BDL	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	BDL	BDL	BDL	BDL	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	41.3	-	-	41.3	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.2781	0.3205	0.3511	0.3166	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	32.0	29.0	29.0	30.0	Hydrometer

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 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=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: K. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debasish Halder
(Sr. Chemist)
Signature

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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 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

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, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 13.07.2022	:	Report No: ICI/HL/A/RN-577/2022	Format No: ICI/FM/B/61
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/AC-577
Address	:	Dewanmari, Ayma, P.O.-Haritara, P.S.-Kharagpur, PaschimMedinipur.	Sampling Date : 05.07.2022 to 06.07.2022
#Customer Representative Name & Contact Number	:	Mr. Taraknath Bose Mob. No. 70 63511804	Analysis Start Date : 07.07.2022
#Work Order No.	:	KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis complete Date : 12.07.2022
#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)	

Sl. No.	Concentration	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	80.45	96.39	73.59	83.48	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	27.16	39.26	26.11	30.84	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	18.28	25.39	16.25	19.97	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	38.84	42.37	36.19	39.13	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BDL	BDL	BDL	BDL	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	BDL	BDL	BDL	BDL	IS 5182 (Part - 11):2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	41.9	-	-	41.9	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.2807	0.3175	0.3429	0.3137	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	32.0	28.0	29.0	30.0	Hydrometer

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 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. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debasish Mondal
(Sr. Chemist)
Signature

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

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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com

TEST REPORT

Date: 13.07.2022	Report No: ICI/MI/A/RN-578/2022	Format No: ICI/F/MI/61
Customer Name	M/S. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Devaranar, Aynur, P.O - Harilara, P.S - Kharagpur, Paschim Medinipur.	Sampling Date
Customer Representative	Mr. Tarakanth Bose	Analysis Start Date
Name & Contact Number	Mob No. 70 63511804	Analysis complete Date
Work Order No.	KHG/POK/0217/22-23, Dtd 10.05.2022	
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.	Concentration	SAMPLING TIME				Test Method
		11:15 AM to 07:15 PM	07:30 PM to 03:30 AM	03:45 AM to 11:45 AM	Average	
1.	Respirable Particulate Matter (PM ₁₀)	81.54	87.12	73.50	80.72	IS 5182 (Part - 23):2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	25.32	30.80	20.94	25.69	IS 5182 (Part - 24):2019
3.	Sulphur Dioxide (SO ₂)	17.28	24.40	16.26	19.31	IS 5182 (Part - 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	37.95	44.13	36.19	39.42	IS 5182 (Part - 6):2006 (RA 2017)
5.	Lead (Pb)	BDL	BDL	BDL	BDL	Guidelines for Measurement of ambient air pollutant (Vol 1) NAAQM/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	BDL	BDL	BDL	BDL	IS 5182 (Part - 11):2006 (RA 2017) Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
7.	Ammonia (NH ₃)	BDL	BDL	BDL	BDL	Guidelines for Measurement of ambient air pollutant (Vol 1) NAAQM/36/2012-13
8.	Ozone (O ₃)	42.1	-	-	42.1	(Chemical Method)
9.	Carbon Monoxide (CO)	0.2781	0.3209	0.3395	0.3128	Non-Dispersive Infrared Spectrometry Method
10.	Benz(a)pyrene (BaP)	BDL	BDL	BDL	BDL	IS 5182 (Part - 12):2004 (RA 2019)
11.	Arsenic (As)	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	32.0	28.0	29.0	30.0	Hydrometer

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 15th November 2009

For, INDICATIVE CONSULTANT INDIA
Deputy Manager
(Sr. Chemist)
Signature
Test House
HAALDA

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

Checked By: A. Padu
Prescribed by: Mohan

Note: 1. Information provided by customer
2. Sample is drawn by Sr. Indicative Consultant India
3. Sample submitted and identified by customer as: Nil
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 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: Halda Laboratory

End of Report

Checked By A. P. ...

FOR INDICATIVE CONSULTATION

NOISE STANDARD

Date: 09/07/2022	:	Report No: IC/IHL/N/TC-136/2022	M/S. RAMCO INDUSTRIES LTD.	Address Devaranur, Ayyar, P O - Haralur, S-Kharagpur, Paschim Medinipur	Name & Contact No. Mr Tarakanath Bose Mob No: 70 63511804	#Work Order No. KHG/POR/0217/22-23, Dtd: 10.05.2022	#Sample Description AMBIENT NOISE	Sampling Method By Digital Noise Meter	Test Method IS 9989:1981 (RA 2020)	Monitoring Details:		
								</				

TEST REPORT



(GOVT. REGISTERED TEST HOUSE)



INDICATIVE CONSULTANT INDIA



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 09.07.2022	Report No: IC/ILN/TC-135/2022	Format No: IC/FM/II/68
Customer Name	M/s. RAMCO INDUSTRIES LTD.	
Address	Dewanmari, Ayma, P O -Hariatara, P S -Kharagpur, Paschim Medinipur.	
#Customer Representative Name & Contact No.	Mr. Taraknath Bose Mob. No. 70 63511804	
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	
#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	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2022/N-715	05.07.2022	02:35 PM	85.07	86.5	82.4	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)
2022/N-716	05.07.2022	03:05 PM	82.23	84.2	79.9	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)
2022/N-717	05.07.2022	03:35 PM	81.07	83.9	78.5	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)
2022/N-718	05.07.2022	04:10 PM	83.67	85.6	80.3	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

Prepared By: N. Mondal

Checked By: A. Putra

For: INDICATIVE CONSULTANT INDIA

Signature of
(Sr. Chemist)
Signature Authority

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: Haldia Laboratory



Page 1 of 1

End of Report

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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE

: www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)

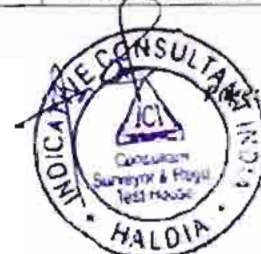


EMAIL: indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

Date: 15.07.2022	Report No: ICI/HL/W/RN-1126/2022	Format No: ICI/FM/H/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/W-1126
Address	Dewanmari, Ayra, P.O.-Hariatara, P.S.- Kharagpur, Paschim Medinipur.	Sampling Date : 05.07.2022
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Time : 11:45 AM
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis Start Date : 06.07.2022
#Sample Description	DRINKING WATER	Analysis complete Date : 14.07.2022
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part 1): 1987 (RA 2019), APHA 23 rd ed 2017	
Test Method	APHA 23 rd ed 2017, IS:3025	
# Location	INSIDE OF THE PLANT	

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.	Appearance	-	Clear	-	-	-
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5): 2018 APHA 23 rd Edition 2150 B
3.	pH (at 27°C)	-	6.51	6.5 to 8.5	No Relaxation	IS:3025(Part-11): 1983 RA 2017 APHA 23 rd Edition 4500-1F B
4.	Colour	Hazen Unit	<5.0	5	15	IS:3025(Part-4): 1983 RA 2017
5.	Conductivity	µS/cm	163.3	-	-	IS:3025(Part-14): 1984 RA 2019 APHA 23 rd Edition 2510 B
6.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10): 1984 RA 2017 APHA 23 rd Edition 2130 B
7.	Total Dissolved Solid (TDS)	mg/L	110.0	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						
8.	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
9.	Ca Hardness as CaCO ₃	mg/L	39.5	-	-	APHA 23 rd Edition 2340 C
10.	Mg Hardness as CaCO ₃	mg/L	15.6	-	-	APHA 23 rd Edition 2340 C
11.	Calcium as Ca	mg/L	15.8	75 (Max)	200 (Max)	IS:3025(Part-20): 1991 RA 2014 APHA 23 rd Edition 3500Ca B
12.	Magnesium as Mg	mg/L	3.8	30 (Max)	100 (Max)	IS:3025(Part-16): 1994 RA 2019 APHA 23 rd Edition 3500Mg B
13.	Chloride as Cl	mg/L	15.7	250 (Max)	1000 (Max)	IS:3025(Part-32): 1988 RA 2019 APHA 23 rd Edition 4500Cl B
14.	Total Alkalinity as CaCO ₃	mg/L	35.2	200 (Max)	600 (Max)	IS:3025(Part-23): 1986 RA 2019 APHA 23 rd Edition 2320 B
15.	P-Alkalinity as CaCO ₃	mg/L	Nil	-	-	APHA 23 rd Edition 2320B
16.	M-Alkalinity as CaCO ₃	mg/L	35.2	-	-	APHA 23 rd Edition 2320B
17.	Iron as Fe	mg/L	0.13	0.3 (Max)	No Relaxation	IS:3025(Part-53): 2003 RA 2019 APHA 23 rd Edition 3500-Fe B
18.	Sulfate as SO ₄	mg/L	20.0	200 (Max)	400 (Max)	IS:3025(Part-24): 1986 RA 2019 APHA 23 rd Edition 4500 SO ₄ E



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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, Maheshitola, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com

Sl. No.	Parameters	Unit	Result	Desirable Limit	Permissible limit in the absence of alternate source	Method Followed
19.	Phosphate as P	mg/L	<0.02	-	-	APHA 23 rd Edition 4500P D
20.	Silica as SiO ₂	mg/L	33.9	-	-	IS 3025(part-35) 1988 RA 2019 APHA 23 rd Edition 4500 SiO ₂ -C
21.	Fluoride as F	mg/L	<0.04	1 (Max)	1.5 (Max)	APHA 23 rd Edition 4500 FD IS 3025(part-60) 2008 RA 2019
22.	Manganese as Mn	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 23 rd Edition 3111 B
23.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 23 rd Edition 3500A5 B
PARAMETERS CONCERNING TOXIC SUBSTANCES						
As Per IS:10500:2012						
Sl. No.	Parameters	Unit	Result	Desirable Limit	Permissible limit in the absence of alternate source	Method Followed

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
Checked By: J. Mandal
Debarshi Haldar (Sr. Chemist)
Signatory



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

TEST REPORT

Date: 15.07.2022	Report No: ICI/HL/W/RN-1127/2022	Format No: ICI/FM/H/67
Customer Name	M/s. RAMICO INDUSTRIES LTD.	Sample ID No
Address	Dewanmiao, Ayma, P.O.-Haratara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date
#Customer Representative	Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Time
		Analysis Start Date
		Analysis complete Date
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	
#Sample Description	DRINKING WATER	
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS:3025 (Part 1): 1987 (RA 2019), APHA 23 rd ed 2017	
Test Method	APHA 23 rd ed 2017, IS:3025	
# Location	GUEST HOUSE	

Towards Sustainable Growth

Report No: ICT/HLA/RN-1127/2022

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012	
				Desirable Limit	Permissible limit in the absence of alternate source
19.	Phosphate as P	mg/L	<0.02	-	-
20.	Silica as SiO ₂	mg/L	27.6	-	-
21.	Fluoride as F	mg/L	<0.04	1 (Max)	1.5 (Max)
22.	Manganese as Mn	mg/L	<0.1	0.1 (Max)	0.3 (Max)
23.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)
PARAMETERS CONCERNING TOXIC SUBSTANCES					
As Per IS:10500:2012					
Method Followed					
APHA 23 rd Edition 4500 P D					
IS 3025(Part-35): 1988, RA 2019					
APHA 23 rd Edition 4500 SiO ₂ C					
IS 3025(Part-60): 2008, RA 2019					
APHA 23 rd Edition 4500 F D					
APHA 23 rd Edition 3111 B					

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012	
				Desirable Limit	Permissible limit in the absence of alternate source
1.	Total Coliform	MPN/100 ml	<2.0	Shall not be detectable in any 100 ml of sample	-
2.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-
BACTERIOLOGICAL PARAMETERS					
As Per IS:10500:2012					
Method Followed					
IS 1622:1981 (RA 2019)					
IS 1622:1981 (RA 2019)					

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

Signature Authority (Sr. Chemist) Debasis Halder

Checked By: J. Mandal

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: N.A.
 - Test results shown in this report are based on the sample (s) only
 - The test results referred in this 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



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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 - Dewanmoro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 02.08.2022
		Period of Analysis	: 06.08.2022 - 08.08.2022
		Date of Issue	: 10.08.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/16/Aug./A/I	Report No.	: ENV/16/Aug./TR(A)/I/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Cement & Fly Ash Feeding Section		
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.)	: 0.40
Capacity	: 10 Ton/hr. (Running Load - 06 Ton/hr.)	Height of sampling port (mtr.) [from G.L.]	: 8.4
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)	: 34.0	N.A.
2.	Barometric Pressure	mm of Hg.	..	: 754.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	: 8.24	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS: 11255 (Part III)	: 3586.59	N.A.
5.	Concentration of Particulate Matter	mg/Nm³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec. 11 (Vol. 3 11.07): 2011	: 1.90	2.0

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

Reviewed By:

Indrani Bhattacharya
Technical Manager, Chennai

Approved By:

Dr. Sumit Chowdhury
Technical Manager



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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 - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 02.08.2022
		Period of Analysis	: 06.08.2022 - 08.08.2022
		Date of Issue	: 10.08.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/16/Aug./A/II	Report No.	: ENV/16/Aug./TR(A)/II/22-23

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)	: 31.0	N.A.
2.	Barometric Pressure	mm of Hg.	..	: 754.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	: 11.03	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	: 2684.42	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol 3 11.07) : 2011	: 1.81	2.0

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

Reviewed By:

Indrani Bhallecharya
Dr. Indrani Bhattacharya
Technical Manager, Chemical

Approved By:

Dr. Sumit Chowdhury
Dr. SUMIT CHOWDHURY
Technical Manager



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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	: 02.08.2022
		Period of Analysis	: 06.08.2022 - 08.08.2022
		Date of Issue	: 10.08.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/16/Aug./A/III	Report No.	: ENV/16/Aug./TR(A)/III/22-23

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)
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)	: 44.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 754.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	: 16.74	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	: 2842.03	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec. 11 (Vol. 3 11.07): 2011	: 1.86	2.0

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

Reviewed By:

Indrani Bhattacharya
INDRANI BHATTACHARYA
Technical Manager, Chemical

Approved By:

Dr. Sumit Chowdhury
DR. SUMIT CHOWDHURY
Technical Manager



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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. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 02.08.2022 - 03.08.2022
		Period of Analysis	: 06.08.2022 - 08.08.2022
		Date of Issue	: 10.08.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/16/Aug./A/IV	Report No.	: ENV/16/Aug./TR(A)/IV/22-23

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) : 30.0
2. Average Relative Humidity (%) : 82.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Mostly Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	56.61	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	90.10	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec 11 (Vol. 11.07) : 2011	9.44	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	28.60	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	0.23	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004: Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<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.

Reviewed By :

Indranil Bhattacharya
INDRANIL BHATTACHARYA
Sr. Asst. Manager, Chemist

Approved By :

Dr. Subit Chowdhury
DR. SUBIT CHOWDHURY
Technical Manager



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/FM/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	: 02.08.2022 - 03.08.2022
		Period of Analysis	: 06.08.2022 - 08.08.2022
		Date of Issue	: 10.08.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/16/Aug./A/V	Report No.	: ENV/16/Aug./TR(A)/V/22-23

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 82.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Mostly Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	52.63	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	84.08	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.83	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	26.52	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.20	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, Issue 2	<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.

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Jr. Manager - Chemistry

Approved By :

Dr. Sumit Chowdhury
Dr. SUMIT CHOWDHURY
Technical Manager



ENVIROCHECK

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Rainco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill - Dewanmare Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 02.08.2022 - 03.08.2022
		Period of Analysis	: 06.08.2022 - 08.08.2022
		Date of Issue	: 10.08.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/16/Aug./A/VI	Report No.	: ENV/16/Aug./TR(A)/VI/22-23

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 82.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Mostly Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	56.32	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 73) : 2006	92.18	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2003 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	8.03	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	25.56	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	0.23	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004: Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, Issue 2	<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.

Reviewed By:

Indrani Bhattacharya

Approved By:

Dr. Sumit Chowdhury
Technical Manager



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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. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 02.08.2022 - 03.08.2022
		Period of Analysis	: 06.08.2022 - 08.08.2022
		Date of Issue	: 10.08.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/16/AUG./A/VII	Report No.	: ENV/16/AUG./TR(A)/VII/22-23

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) : 30.0
2. Average Relative Humidity (%) : 82.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Mostly Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	51.70	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	79.21	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.23	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	25.0	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.18	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<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.

Reviewed By :

Indrani Bhattacharya
INDRANI BHATTACHARYA
Deputy Manager, Compliance

Approved By :

Dr. Sumit Chowdhury
DR. SUMIT CHOWDHURY
Technical Manager



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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	:	02.08.2022
			Period of analysis	:	06.08.2022 - 10.08.2022
			Date of Issue	:	11.08.2022
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 ID No.	:	ENV/07/Aug./W
			Report No.	:	ENV/07/Aug./TR(W)/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH value	4500 H-B APHA 23 rd Edition, 2017	...	6.67	5.5 - 9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	20.0	100.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	3.0	10.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	80.0	250.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 B APHA 23 rd Edition, 2017	mg/l	24.0	30.0

Remarks: 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.

Reviewed By:

Indrani Bhattacharya
INDRANI B. BHATTACHARYA
By: Technical Manager, Chemical

Approved By:

Dr. Sumit Chowdhury
Dr. SUMIT CHOWDHURY
Technical Manager



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FORMAT NO. ENV/EM/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	: 02.08.2022
		Period of Analysis	: 06.08.2022 - 09.08.2022
		Date of Issue	: 11.08.2022
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	ULR No.	: TC601422000000256F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4): 1983, RA 2012	Hazen	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5): 1983, RA 2012	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11): 1984, RA 2012	--	5.72	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 7 and 8): 1983, RA 2012	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10): 1984, RA 2012	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16): 1984, RA 2014	mg./l	117.0	500.0	2000.0
7. Aluminium	IS 15302: 2003, RA 2014	mg./l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40): 1991, RA 2014	mg./l	18.51	75.0	200.0
9. Chloride	IS 3025 (Part 32): 1988, RA 2014	mg./l	15.99	250.0	1000.0
10. Iron	IS 3025 (Part 53): 2003, RA 2014	mg./l	0.12	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46): 1994, RA 2014	mg./l	3.69	30.0	100.0
12. Manganese	IS 3025 (Part 59): 2006, RA 2012	mg./l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34): 1988, RA 2014	mg./l	2.80	45.0	No Relaxation
14. Sulfate	IS 3025 (Part 24): 1986, RA 2014	mg./l	16.56	200.0	400.0
15. Total Alkalinity	IS 3025 (Part 23): 1986, RA 2014	mg./l	42.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009, RA 2014	mg./l	61.6	200.0	600.0
17. Zinc	IS 3025 (Part 49): 1994, RA 2014	mg./l	0.26	5.0	15.0
18. Mercury	IS 3025 (Part 48): 1994, RA 2009	mg./l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37): 1988, RA 2014	mg./l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52): 2003, RA 2014	mg./l	<0.02	N.A.	N.A.
21. Silica	APHA 23 rd 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.

Reviewed By:

[Signature]
Ly Quality Manager

Approved By:

[Signature]
By Technical Manager, Chemical



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FORMAT NO. ENV/EM/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	: 02.08.2022
		Period of Analysis	: 06.08.2022 - 08.08.2022
		Date of Issue	: 11.08.2022
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	ULR No.	: TC601422000000256F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500:2012
1. Total Coliform	9222B, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	9222 I, APHA 23 rd Ed., 2017	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.

Reviewed By:

[Signature]
By Quality Manager

Approved By:

[Signature]
PRITANKA MUKHERJEE
Technical Manager, Microbiology



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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	: 02.08.2022
		Period of Analysis	: 06.08.2022 - 09.08.2022
		Date of Issue	: 11.08.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Guest House	ULR No.	: TC601422000000257F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4): 1983, RA 2012	Hazen	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5): 1983, RA 2012	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11): 1984, RA 2012	--	5.82	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 7 and 8): 1983, RA 2012	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10): 1984, RA 2012	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16): 1984, RA 2014	mg./l	110.0	500.0	2000.0
7. Aluminium	IS 15302: 2003, RA 2014	mg./l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40): 1991, RA 2014	mg./l	15.87	75.0	200.0
9. Chloride	IS 3025 (Part 32): 1988, RA 2014	mg./l	13.99	250.0	1000.0
10. Iron	IS 3025 (Part 53): 2003, RA 2014	mg./l	0.14	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46): 1994, RA 2014	mg./l	2.64	30.0	100.0
12. Manganese	IS 3025 (Part 59): 2006, RA 2012	mg./l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34): 1988, RA 2014	mg./l	2.50	45.0	No Relaxation
14. Sulfate	IS 3025 (Part 24): 1986, RA 2014	mg./l	18.50	200.0	400.0
15. Total Alkalinity	IS 3025 (Part 23): 1986, RA 2014	mg./l	37.80	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009, RA 2014	mg./l	50.60	200.0	600.0
17. Zinc	IS 3025 (Part 49): 1994, RA 2014	mg./l	0.20	5.0	15.0
18. Mercury	IS 3025 (Part 48): 1994, RA 2009	mg./l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37): 1988, RA 2014	mg./l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52): 2003, RA 2014	mg./l	<0.02	N.A.	N.A.
21. Silica	APHA 23 rd Ed., 4500 SiO ₂ -C/F: 2017	mg./l	2.60	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.

Reviewed By:

[Signature]
Dy. Quality Manager

Approved By:

[Signature]
INDIRANI BHATTACHARYA
Dy. Technical Manager: Chemical



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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. - Harlatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 02.08.2022
		Period of Analysis	: 06.08.2022 - 08.08.2022
		Date of Issue	: 11.08.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Guest House	ULR No.	: TC601422000000257F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500, 2012
1. Total Coliform	9222B. APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	9222 I. APHA 23 rd Ed., 2017	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.

Reviewed By :

[Signature]
Dy. Quality Manager

Approved By :

[Signature]
PRIYANKA MUKHERJEE
Technical Manager, Microbiology



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COMPLIANCE NO. 126019



TEST REPORT

1.	Name of the Industry / Project	Ramco Industries Limited
2.	Address	Village - Dewamara Ayra, P.O. - Haralara, P.S. - Khargapur, District - Pachim Medinipur.
3.	Type of Industry	Asbestos Cement Corrugated & Accessories Manufacturing Unit
4.	Sampling Plan & Procedure	ENV/SOP/01
5.	Deviation from the Sampling Method & Plan	No
6.	Type of Sample	Noise
7.	Sample ID	ENV/08/Aug/23
8.	Report ID	ENV/08/April/23-23
9.	Date of Study	02/08/2022
10.	Reporting Date	18/08/2022
11.	Method No.	IS: 9989 - 1981
12.	Time of Duration of Noise	20 Minutes
13.	Height from Ground Level	4 feet

RESULT OF NOISE LEVEL STUDY

1.	Location of Study	Time (A.M)	Minimum dB(A)	Maximum dB(A)	Leg dB(A)
1.	Near Main Gate	10:00 - 10:20	48.3	53.2	51.41
DAY TIME					
2.	Near Main Gate	10:05 - 10:25	43.7	47.0	45.66
DAY TIME					
3.	Near Stock Yard	10:30 - 10:50	58.5	62.7	61.09
NIGHT TIME					
4.	Near Stock Yard	10:35 - 10:55	52.9	60.2	57.93
DAY TIME					
5.	Near Scrap Yard	11:00 - 11:20	63.0	67.2	65.59
NIGHT TIME					
6.	Near Scrap Yard	11:05 - 11:25	49.3	52.7	51.32
DAY TIME					
7.	Near Side of the Plant	11:30 - 11:50	62.9	67.5	65.78
NIGHT TIME					
8.	Near Side of the Plant	11:35 - 11:55	53.7	58.8	56.96

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 Overseas : UAE ■ Qatar ■ Netherlands

» 2007 10 05 «

By Quality Manager

Reviewed By: 

Approved by: 
Technical Manager

Category Area		Limit in Leq dB(A)		** Mean of Leq - Equivalent to Sound Energy	
A. Industrial Area	Day Time dB(A)	75	Night Time dB(A)	70	
B. Commercial Area	Day Time	65	Night Time	55	
C. Residential Area	Day Time	55	Night Time	45	
D. Silence Zone	Day Time is reckoned in between 6:00 A.M & 10:00 P.M	50	Night Time is reckoned in between 10:00 P.M & 6:00 A.M	40	
(Central Pollution Control Board, Ministry of Environment & Forests Government of India) & (Department of Environment, Government of West Bengal) (Central Pollution Control Board, Ministry of Environment & Forests Government of India) & (Department of Environment, Government of West Bengal) PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS					
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)					

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

ENVIROCHECK



FIELDWORK REPORT

IAS



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 13.09.2022	Report No: ICI/HLA/PTC-601/2022	Format No: ICI/FM/H/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmari, Ayma, P.O. - Hariatara, P.S. - Kharagpur, Paschim Medinipur	2022/PA-601
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Date
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	08.09.2022
#Sample Description	STACK AIR	Sampling Time
#Location	EDGE RUNNER MILL BOD & SLURRY MIXING	10:15 AM
Sample Condition	In Glass Microfiber Thimble	Analysis Start Date
Sampling Method	CPCB, Emission Regulation (Part III)	12.09.2022
		Analysis complete Date
		12.09.2022

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)	755	a) Rated	-
Velocity of Gas flow (m/s)	8.61	b) Running	-
Quantity of Gas flow (Nm³/hr)	2080.84	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)	1.7	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	CO % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	CO₂ % (V/V)	<0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debashis Halder
(Sr. Chemist)
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
 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-334 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

CENTRAL LABORATORY : HPL Link Road, Basudevypur, 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, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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TEST REPORT

Date: 13.09.2022	Report No: IC/HL/A/PTC-602/2022	Format No: IC/FM/II/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur	2022/PA-602
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Date
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	08.09.2022
#Sample Description	STACK AIR	Sampling Time
#Location	CEMENT & FLY ASH FEEDING SECTION	11.30 AM
Sample Condition	In Glass Microfiber Thimble	Analysis Start Date
Sampling Method	CPCB, Emission Regulation (Part III)	12.09.2022
		Analysis complete Date
		12.09.2022

A. # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	CEMENT & FLY ASH FEEDING SECTION	Shape of Stack	Circular
Stack attached to	Feeding of Raw Material	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	Bag Filter	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)	755	a) Rated	-
Velocity of Gas flow (m/s)	9.26	b) Running	-
Quantity of Gas flow (Nm ³ /hr)	4063.42	Load : a) Rated	-
Pressure	-	b) Running	10 Ton/Hr.

C. # RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm ³)	1.8	IS 11255 (Part -1) 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-	
03	CO % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04	CO ₂ % (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Debasish Halder
(St. Chemist)
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
 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-349 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

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

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

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TEST REPORT

Date: 13.09.2022	Report No: ICI/HI/A/PTC-603/2022	Form No: ICI/EM/H/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No: 2022/PA-603
Address	Dewanmari, Ayma, P.O. - Harinara, P.S. - Kharagpur, Paschim Medinipur	Sampling Date: 08.09.2022
#Customer Representative Name & Contact Number	Mr. Tarakanath Bose Mob. No. 70 63511804	Sampling Time: 12.40 PM
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis Start Date: 12.09.2022
#Sample Description	STACK AIR	Analysis complete Date: 12.09.2022
#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	PULVERIZER SECTION	Shape of Stack	Circular
Stack attached to	Process Activity	Material of Construction	MS
Emission due to		Stack ID at sampling point (M)	8.3541
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)	15.20
Sulphur Content (% by Wt)		b) Total Ht. of stack from RL (M)	
Ash Content (% by Wt)		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:

Flue Gas Temperature (°C)	38	Steam Generation Capacity:	
Barometric Pressure (mm Hg)	755	a) Rated	
Velocity of Gas flow (m/s)	7.91	b) Running	
Quantity of Gas flow (Nm ³ /hr)	1372.73	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)	1.1	IS 11255 (Part -1) 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)		
03	CO % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04	CO ₂ % (V/V)	<0.2	IS 13270:1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Pal

For, INDICATIVE CONSULTANT INDIA

Debasish Mondal
(Sr. Chemist)
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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 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-350 from the date of issue unless otherwise specified
 9. Location of Testing: Haldia Laboratory

End of Report

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CENTRAL LABORATORY : HPL Link Road, Sasudevpur, Khanjanachak, Haldia, Purba Medinipur, Pin- 721602

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INDICATIVE CONSULTANT INDIA



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TEST REPORT

Date: 16.09.2022	Report No: ICI/IIL/A/RN-730/2022	Format No: ICI/FM/II/61
Customer Name	M/S. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/AC-730
Address	Dewanmari, Ayma, P.O - Hariatara, P.S - Kharagpur, Paschim Medinipur	Sampling Date : 08.09.2022 to 09.09.2022
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Analysis Start Date : 12.09.2022
#Work Order No.	KHG/POR/0217/22-23, Dtd 10.05.2022	Analysis complete Date : 15.09.2022
#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)	

Sl. No.	Concentration	Unit	SAMPLING TIME			24 Hours Average	Test Method
			09:00 AM to 05:00 PM	05:15 PM to 01:15 AM	01:30 AM to 09:30 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	84.77	95.19	80.25	86.74	IS 5182 (Part - 23) 2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	22.47	34.15	30.26	28.96	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	16.54	22.75	18.61	19.30	IS 5182 (Part - 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	39.97	45.42	42.69	42.69	IS 5182 (Part - 6) 2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BDL	BDL	BDL	BDL	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	BDL	BDL	BDL	BDL	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	40.7	-	-	40.7	Guidelines for Measurement of ambient air pollutant (Vol 1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.2692	0.3311	0.3745	0.3249	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	32.0	29.0	29.0	30.0	Hydrometer

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: *[Signature]*

Checked By: A. Parin *[Signature]*

For, INDICATIVE CONSULTANT INDIA

Designated Person
(Sr. Chemist)
Signature: *[Signature]*

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, 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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970
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INDICATIVE CONSULTANT INDIA



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TEST REPORT

Date: 16.09.2022	: Report No: ICI/HIL/ARN-731/2022	Format No: ICI/FM/11/61
Customer Name	: M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/AC-731
Address	: Dewamano, Ayma, P.O.-Harnatura, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 08.09.2022 to 09.09.2022
#Customer Representative Name & Contact Number	: Mr. Taraknath Bose Mob. No. 70 63511804	Analysis Start Date : 12.09.2022
#Work Order No.	: KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis complete Date : 15.09.2022
#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)	

Sl. No.	Concentration	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	78.30	93.43	84.24	85.32	IS 5182 (Part - 23) 2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	24.27	35.18	28.36	29.27	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	16.54	22.75	18.61	19.30	IS 5182 (Part - 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (NO ₂)	µg / m ³	36.33	40.88	39.97	39.06	IS 5182 (Part - 6) 2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BDL	BDL	BDL	BDL	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	BDL	BDL	BDL	BDL	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	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	0.2781	0.3295	0.3378	0.3151	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	32.0	29.0	29.0	30.0	Hydrometer

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 mono oxide = 2 mg / m³, 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 Area

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

Prepared By: *[Signature]*

Checked By: *[Signature]*

For, 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

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

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TEST REPORT

Date: 16.09.2022	: Report No: ICI/HL/ARN-732/2022	Format No: ICI/FM/1/61
Customer Name	: M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/AC-732
Address	: Dewannara, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur	Sampling Date : 08.09.2022 to 09.09.2022
#Customer Representative Name & Contact Number	: Mr. Taraknath Bose Mob. No. 70 63511804	Analysis Start Date : 12.09.2022
#Work Order No.	: KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis complete Date : 15.09.2022
#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 - I)	

Sl. No.	Concentration	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 10:45 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	80.28	87.46	74.09	80.61	IS 5182 (Part - 23) 2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	25.44	32.79	27.95	28.73	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	16.54	23.78	17.58	19.30	IS 5182 (Part - 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	37.24	42.69	36.33	38.75	IS 5182 (Part - 6) 2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BDL	BDL	BDL	BDL	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	BDL	BDL	BDL	BDL	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BDL	BDL	BDL	BDL	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. I) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.2811	0.3375	0.3811	0.3332	Non-Dispersive Infrared Spectrometry Method
10.	Benz(a)Pyrene (BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	32.0	29.0	29.0	30.0	Hydrometer

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 O=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

Checked By: A. Patra

For INDICATIVE CONSULTANT INDIA

Signature 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: A4
 - Test results shown in this test report relate only to the sample (s) only.
 - The test results referred in this 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 a 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

End of Report

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchar, Haldia, Purba Medinipur, Pin- 721602

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

KOLKATA LABORATORY : B4-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 16.09.2022	Report No: ICI/HL/ARN-733/2022	Format No: ICFM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2022/AC-733
Address	Dewanmari, Ayma, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 08.09.2022 to 09.09.2022
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Analysis Start Date : 12.09.2022
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis complete Date : 15.09.2022
#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. - I)	

Sl. No.	Concentration	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	73.64	87.30	70.47	77.14	IS 5182 (Part - 23) 2006 (RA 2017)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	21.28	32.77	28.19	27.41	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	15.51	21.71	14.47	17.23	IS 5182 (Part - 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	33.61	38.15	35.43	35.73	IS 5182 (Part - 6) 2006 (RA 2017)
5.	Lead (Pb)	µg / m ³	BDL	BDL	BDL	BDL	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	BDL	BDL	BDL	BDL	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (N ₂ H ₄)	µg / m ³	BDL	BDL	BDL	BDL	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. I) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.2775	0.3117	0.3295	0.3062	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BDL	BDL	BDL	BDL	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m ³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	°C	32.0	29.0	29.0	30.0	Hydrometer

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: *[Signature]*

Checked By: A. Hara

For, 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

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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 19.09.2022	Report No: ICI/HL/W/RN-1577/2022	Format No: ICI/FM/H/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. Taraknath Bose Mob. No. 70 63511804	Sampling Time
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	Analysis Start Date
#Sample Description	DRINKING WATER	Analysis complete Date
Sample Condition	In Plastic Bottle & Glass Bottle	
Sampling Method	IS 3025 (Part 1): 1987 (RA 2019), APHA 23 rd ed 2017	
Test Method	APHA 23 rd ed 2017, IS-3025	
# Location	INSIDE OF THE PLANT	

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.	Appearance	-	Clear	-	-	-
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(Part-5): 2018 APHA 23 rd Edition 2150 B
3.	pH (at 24°C)	-	6.52	6.5 to 8.5	No Relaxation	IS 3025(Part-11): 1983 RA 2017 APHA 23 rd Edition 4500-H B
4.	Colour	Hazen Unit	<5.0	5	15	IS 3025(Part-4): 1983 RA 2017
5.	Conductivity	µS/cm	197.5	-	-	IS 3025(Part-14): 1984 RA 2019 APHA 23 rd Edition 2510 B
6.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS 3025(Part-10): 1984 RA 2017 APHA 23 rd Edition 2130 B
7.	Total Dissolved Solid (TDS)	mg/L	115.0	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						
8.	Total Hardness as CaCO ₃	mg/L	50.9	200 (Max)	600 (Max)	IS 3025(Part-21): 2009 RA 2019 APHA 23 rd Edition 2340 C
9.	Ca Hardness as CaCO ₃	mg/L	37.7	-	-	APHA 23 rd Edition 2340 C
10.	Mg Hardness as CaCO ₃	mg/L	13.2	-	-	APHA 23 rd Edition 2340 C
11.	Calcium as Ca	mg/L	15.1	75 (Max)	200 (Max)	IS 3025(Part-40): 1991 RA 2014 APHA 23 rd Edition 3500Ca B
12.	Magnesium as Mg	mg/L	3.2	30 (Max)	100 (Max)	IS 3025(Part-46): 1994 RA 2019 APHA 23 rd Edition 3500Mg B
13.	Chloride as Cl	mg/L	16.6	250 (Max)	1000 (Max)	IS 3025(Part-32): 1988 RA 2019 APHA 23 rd Edition 4500Cl B
14.	Total Alkalinity as CaCO ₃	mg/L	35.8	200 (Max)	600 (Max)	IS 3025(Part-23): 1986 RA 2019 APHA 23 rd Edition 2320 B
15.	P-Alkalinity as CaCO ₃	mg/L	Nil	-	-	APHA 23 rd Edition 2320B
16.	M-Alkalinity as CaCO ₃	mg/L	35.8	-	-	APHA 23 rd Edition 2320B
17.	Iron as Fe	mg/L	0.13	0.3 (Max)	No Relaxation	IS 3025(Part-53): 2003 RA 2019 APHA 23 rd Edition 3500-Fe B
18.	Sulfate as SO ₄	mg/L	16.4	200 (Max)	400 (Max)	IS 3025(Part-24): 1986 RA 2019 APHA 23 rd Edition 4500 SO ₄ B



Page: 1 of 2

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, Siamesthpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE :

www.indicativeconsultantindia.com



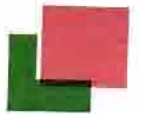
INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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



Report No: ICI/HL/W/RN-1577/2022

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
19.	Phosphate as P	mg/L	<0.02	-	-	APHA 23 rd Edition 4500P-1
20.	Silica as SiO ₂	mg/L	16.9	-	-	IS 3025(Part-35) 1988 RA 2019 APHA 23 rd Edition 4500 SiO ₂ -C
21.	Fluoride as F	mg/L	<0.04	1 (Max)	1.5 (Max)	IS 3025(Part-60) 2008 RA 2019 APHA 23 rd Edition 4500 F-1
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 3500 As-B

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
BACTERIOLOGICAL PARAMETERS						
1.	Total Coliform	MPN/100 ml	<2.0	Shall not be detectable in any 100 ml of sample	-	IS 1622 1981 (RA 2019)
2.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS 1622 1981 (RA 2019)

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. Palra

For: INDICATIVE CONSULTANT INDIA

Debasish Halder
(Sr. Chemist)
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 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

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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 19.09.2022	Report No: ICI/HL/W/RN-1578/2022	Format No: ICI/FM/H/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmaro, Ayma, P.O.-Hariataru, P.S.-Kharagpur, Paschim Medinipur	Sampling Date
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. 70 63511804	Sampling Time
#Work Order No.	KHG/POR/0217/22-23, Dtd. 10.05.2022	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	
Test Method	APHA 23 rd ed 2017, IS:3025	
# Location	GUEST HOUSE	

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.	Appearance	-	Clear	-	-	-
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(Part-5): 2018 APHA 23 rd Edition 2150 B
3.	pH (at 27°C)	-	6.60	6.5 to 8.5	No Relaxation	IS 3025(Part-11): 1983 RA 2017 APHA 23 rd Edition 4500-H B
4.	Colour	Hazen Unit	<5.0	5	15	IS 3025(Part-4): 1983 RA 2017
5.	Conductivity	µS/cm	183.7	-	-	IS 3025(Part-14): 1984 RA 2019 APHA 23 rd Edition 2510 B
6.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS 3025(Part-10): 1984 RA 2017 APHA 23 rd Edition 2130 B
7.	Total Dissolved Solid (TDS)	mg/L	110.0	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						
8.	Total Hardness as CaCO ₃	mg/L	46.2	200 (Max)	600 (Max)	IS 3025(Part-21): 2009 RA 2019 APHA 23 rd Edition 2340 C
9.	Ca Hardness as CaCO ₃	mg/L	34.9	-	-	APHA 23 rd Edition 2340 C
10.	Mg Hardness as CaCO ₃	mg/L	11.3	-	-	APHA 23 rd Edition 2340 C
11.	Calcium as Ca	mg/L	14.0	75 (Max)	200 (Max)	IS 3025(Part-40): 1991 RA 2014 APHA 23 rd Edition 3500Ca B
12.	Magnesium as Mg	mg/L	2.8	30 (Max)	100 (Max)	IS 3025(Part-46): 1994 RA 2019 APHA 23 rd Edition 3500Mg B
13.	Chloride as Cl	mg/L	16.6	250 (Max)	1000 (Max)	IS 3025(Part-32): 1988 RA 2019 APHA 23 rd Edition 4500Cl B
14.	Total Alkalinity as CaCO ₃	mg/L	36.8	200 (Max)	600 (Max)	IS 3025(Part-23): 1986 RA 2019 APHA 23 rd Edition 2320 B
15.	P-Alkalinity as CaCO ₃	mg/L	Nil	-	-	APHA 23 rd Edition 2320B
16.	M-Alkalinity as CaCO ₃	mg/L	36.8	-	-	APHA 23 rd Edition 2320B
17.	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
18.	Sulfate as SO ₄	mg/L	13.0	200 (Max)	400 (Max)	IS 3025(Part-24): 1986 RA 2019 APHA 23 rd Edition 4500 SO ₄ B



Page: 1 of 2

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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



(GOVT. REGISTERED TEST HOUSE)

INDICATIVE CONSULTANT INDIA



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

Report No: ICI/HILW/RN-1578/2022

Sl. No.	Parameters	Unit	Result	Desirable Limit	Permissible limit in the absence of alternate source	Method Followed
19.	Phosphate as P	mg/L	<0.02	-	-	APHA 23 rd Edition 4500 P D
20.	Silica as SiO ₂	mg/L	20.4	-	-	IS 3025(Part-3): 1988, RA 2019
21.	Fluoride as F	mg/L	<0.04	1 (Max)	1.5 (Max)	APHA 23 rd Edition 4500 F D IS 3025(Part-40): 2008, RA 2019
22.	Manganese as Mn	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 23 rd Edition 3111 B
23.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 23 rd Edition 3500 As B

PARAMETERS CONCERNING TOXIC SUBSTANCES

Sl. No.	Parameters	Unit	Result	Desirable Limit	Permissible limit in the absence of alternate source	Method Followed
1.	Total Coliform	MPN/100 ml	<2.0	Shall not be detectable in any 100 ml of sample	-	IS 1622:1981 (RA 2019)
2.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS 1622:1981 (RA 2019)

BACTERIOLOGICAL PARAMETERS

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

Signature:

(Sr. Chemist)

Signature Authority



Prepared By:

Checked By:

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: M.A.

4. Test results shown in this 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

Date: 13.09.2022	Report No: IC/HLN/TC-165/2022	Formal No: IC/FM/TV/68
Customer Name	M/s. RAMICO INDUSTRIES LTD.	
Address	Dewanmuro, Ayma, P.O.-Haridwar, P.S.-Kharagpur, Paschim Medinipur	
Customer Representative	Mt. Tarknath Bose	
Name & Contact No.	Mob. No. 70 63511804	
Work Order No.	KHQ/POB/0217/22-23, Dtd 10.05.2022	
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)
Distance of Source	3.0 M	Difference (dt)
		18 Min
		2 Min

TEST REPORT

#Noise Source/ Location: NEAR MAIN GATE			
Sample ID	Sampling Date	Sampling Time	Limit* (dB(A))
2022/N-887	08.09.2022	11:00 AM	As per note
Result (dB(A))	Equivalent Noise (L_{eq}) dB(A)	Maximum Noise (L_{max}) dB(A)	DAY TIME
			Minimum Noise (L_{min}) dB(A)
			As per note
62.54	64.2	60.1	

#Noise Source/ Location: NEAR STOCK YARD			
Sample ID	Sampling Date	Sampling Time	Limit* (dB(A))
2022/N-889	08.09.2022	12:45 PM	As per note
Result (dB(A))	Equivalent Noise (L_{eq}) dB(A)	Maximum Noise (L_{max}) dB(A)	DAY TIME
			Minimum Noise (L_{min}) dB(A)
			As per note
61.16	63.0	58.5	

#Noise Source/ Location: NEAR SCRAP YARD			
Sample ID	Sampling Date	Sampling Time	Limit* (dB(A))
2022/N-890	08.09.2022	01:30 PM	As per note
Result (dB(A))	Equivalent Noise (L_{eq}) dB(A)	Maximum Noise (L_{max}) dB(A)	DAY TIME
			Minimum Noise (L_{min}) dB(A)
			As per note
62.66	64.2	60.2	

*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

Test Witnessed By: Sampling was done in front of customer's representative

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 'N.A'
 - Test results shown in this report relate only to the sample(s) only
 - The test results are based on observations & measurements under the stated environmental conditions
 - Noise data was recorded at the customer site in presence of customer's representative
 - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 - The reproduction of the report except in full is invalid without written approval of the laboratory
 - Location of Testing: Plant Site & Report was generated from Haldira Laboratory.

End of Report

Page 1 of 1



For, INDICATIVE CONSULTANT INDIA

Checked By: A. Patra

Prepared By: N. Mondal



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



9001:2015



45001:2018

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

TEST REPORT

Date: 13.09.2022	:	Report No: ICI/HLN/TC-166/2022	Format No: ICI/FM/H/68
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	
Address	:	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	
#Customer Representative Name & Contact No.	:	Mr. Tarakanath Bose Mob. No. 70 63511804	
#Work Order No.	:	KHG/POR/0217/22-23, Dtd. 10.05.2022	
#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	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2022/N-891	08.09.2022	03:00 PM	78.60	79.6	77.3	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)
2022/N-892	08.09.2022	03:45 PM	78.44	80.1	76.1	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)
2022/N-893	08.09.2022	04:30 PM	78.14	80.4	75.4	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)
2022/N-894	08.09.2022	05:15 PM	79.78	81.0	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: *[Signature]*

Checked By: *[Signature]*

Debasish Halder
(Sr. Chemist)
Signatory Authority



Test Witnessed By: Sampling was done in front of customer's representative
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: 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.
 - Noise data was recorded at the customer site in presence of customer's representative
 - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 - The reproduction of the report except in full is invalid without written approval of the laboratory
 - Location of Testing: **Plant Site & Report was generated from Haldia Laboratory**

Page 1 of 1

End of Report

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, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com

033830

CVR Labs (P) Limited

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9444709669 info@cvtlabs.com www.cvtlabs.com



TEST REPORT

Page 1 of 1

Report No: 22050040.01
Discipline : Chemical
Report Date: 14/05/2022
Group: Atmospheric pollution

CUSTOMER DETAILS
Customer Name & Address: M/S. Ramco Industries Limited,
Devanmuro Ayma village Hanatara (PO) Hanatara, Kharagpur - 721304,
West Bengal India.
Customer Reference: NA

SAMPLE DETAILS
Sample Code : 22050040.01
Sample Name : Work zone Air Quality
Sample Description : Asbestos Fibre Monitoring
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA
Sampled On : 06/05/2022-07/05/2022
Sample Received On : 07/05/2022
Sampling Location : NA
Sampling Procedure : NIOSH 7400
Equipment Used : CVR/CH/065
Test Started On : 07/05/2022
Test Completed On : 14/05/2022

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	22050040.01	Stripping area	06-05-2022	Area	2	11:00AM	3:00PM	240	480	0.045

Verified By
G. Muthu Thirumudan
14/05/2022

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

For CVR LABS (P) LIMITED
Authorized signatory
K.B. NIRMALA



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582
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033831

TEST REPORT

Page 1 of 1

Report No: 22050040.02

Report Date: 14/05/2022

Discipline : Chemical

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	: 22050040.02	Sampled On	: 06/05/2022-07/05/2022
Sample Name	: Work zone Air Quality Monitoring	Sample Received On	: 07/05/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 07/05/2022
Customer Code	: NA	Test Completed On	: 14/05/2022

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	22050040.02	Moulding area	06/05/2022	Area	2	11:00AM	3:10PM	240	480	0.054

G. Srividhyanathan

Verified By

14/05/2022

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

For CVR LABS (P) LIMITED

K.B. NIRMALA
Authorised Signatory



CVR Labs (P) Limited

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033632

TEST REPORT

Page 1 of 1

Report No: 22050040.03

Report Date: 14/05/2022

Discipline : Chemical

Group: Atmospheric pollution

CUSTOMER DETAILS

Customer Name & Address:

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code	: 22050040.03	Sampled On	: 06/05/2022-07/05/2022
Sample Name	: Work zone Air Quality Monitoring	Sample Received On	: 07/05/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 07/05/2022
Customer Code	: NA	Test Completed On	: 14/05/2022

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	22050040.03	Drum Cutter Off area	06-05-2022	Area	2	11:20A M	3:20AM	240	480	0.040

G. Muthumanicham

Verified By

14/05/2022

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

For CVR LABS (P) LIMITED

Nirmala K.B.
K.B. NIRMALA
Authorised Signatory

CVR Labs (P) Limited



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TEST REPORT

Report No: 22050040.04

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/S. Ramco Industries Limited,
Dewanmari Ayma village Hanatara (PO) Hanatara, Kharagpur - 721304,
West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 22050040.04
Sample Name : Work zone Air Quality Monitoring
Sample Description : Asbestos Fibre
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA
Sampled On : 06/05/2022-07/05/2022
Sample Received On : 07/05/2022
Sampling Location : NA
Sampling Procedure : NIOSH 7400
Equipment Used : CVR/CH/065
Test Started On : 07/05/2022
Test Completed On : 14/05/2022

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	22050040.04	Auto Box area	06-05-2022	Area	2	11:30AM	3:30PM	240	480	0.043

Verified By
G. Pruthiwarayan
14/05/2022

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

For CVR Labs (P) Limited
N. S. Nirmala
Authorized Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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033874

TEST REPORT

Page 1 of 1

Report No: 22050040.05

Report Date: 14/05/2022

Discipline : Chemical

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	: 22050040.05	Sampled On	: 06/05/2022-07/05/2022
Sample Name	: Work zone Air Quality Monitoring	Sample Received On	: 07/05/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH 065
Sampled By	: CVR Labs	Test Started On	: 07/05/2022
Customer Code	: NA	Test Completed On	: 14/05/2022

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	22050040.05	Fibre Godown	06-05-2022	Area	2	11:35AM	3:35PM	240	480	0.053

G. Balakrishnan

Verified By

14/05/22

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

For CVR LABS (P) LIMITED

K.B. NIRMALA
Authorised Signatory

CVR Labs (P) Limited

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TEST REPORT

Report No: 22050040.06

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 22050040.06
Sample Name : Work zone Air Quality
Sample Description : Asbestos Fibre Monitoring
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA
Sampled On : 06/05/2022-07/05/2022
Sample Received On : 07/05/2022
Sampling Location : NA
Sampling Procedure : NIOSH 7400
Equipment Used : CVR/CH/065
Test Started On : 07/05/2022
Test Completed On : 14/05/2022

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	22050040.06	Slurry Mixer	07-05-2022	Area	2	10:00AM	2:00PM	240	480	0.055

For CVR LABS (P) LIMITED
K.B. NIRMALA
Authorized Signatory
Verified By : G. B. Muthumanian
14/05/2022
***** END OF REPORT *****



CVR Labs (P) Limited

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TEST REPORT

Page 1 of 1

Report No: 22050040.07

Report Date: 14/05/2022

Discipline : Chemical

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	: 22050040.07	Sampled On	: 06/05/2022-07/05/2022
Sample Name	: Work zone Air Quality Monitoring	Sample Received On	: 07/05/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 07/05/2022
Customer Code	: NA	Test Completed On	: 14/05/2022

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	22050040.07	Bod area	07-05-2022	Area	2	10:10AM	2:10PM	240	480	0.048

G. By (over humanicam)

Verified By

14/05/2022

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

For CVR LABS (P) LIMITED

K.B. NIRMALA

Authorised Signatory



CVR Labs (P) Limited

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33827

TEST REPORT

Page 1 of 1

Report No: 22050040.08

Report Date: 14/05/2022

Discipline : Chemical

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	: 22050040.08	Sampled On	: 06/05/2022-07/05/2022
Sample Name	: Work zone Air Quality Monitoring	Sample Received On	: 07/05/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 07/05/2022
Customer Code	: NA	Test Completed On	: 14/05/2022

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	22050040.08	Pulveriser Area	07-05-2022	Area	2	10:20AM	2:20PM	240	480	0.046

For CVR LABS (P) LIMITED

G. G. Gouthaman

Verified By

14/05/2022

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

K. B. NIRMALA
Authorised Signatory



CVR Labs (P) Limited

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1133678

TEST REPORT

Page 1 of 1

Report No: 22050040.09

Report Date: 14/05/2022

Discipline : Chemical

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	: 22050040.09	Sampled On	: 06/05/2022-07/05/2022
Sample Name	: Work zone Air Quality Monitoring	Sample Received On	: 07/05/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 07/05/2022
Customer Code	: NA	Test Completed On	: 14/05/2022

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	22050040.09	Ball Mill	07-05-2022	Area	2	10:30AM	2:30PM	240	480	0.042

G. G. M. (humanian)
Verified By 14/05/2022

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

For CVR LABS (P) LIMITED

K.B. NIRMALA
Authorised Signatory



CVR Labs (P) Limited

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33859

TEST REPORT

Page 1 of 1

Report No: 22050040.10

Report Date: 14/05/2022

Discipline : Chemical

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	: 22050040.10	Sampled On	: 06/05/2022-07/05/2022
Sample Name	: Fibre Stack Monitoring	Sample Received On	: 07/05/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 07/05/2022
Customer Code	: NA	Test Completed On	: 14/05/2022

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	22050040.10	Fibre Stack	07-05-2022	Area	2	10:40AM	11:10AM	30	60	0.043

G. Senthumaniam

Verified By

14/05/2022

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

For CVR LABS (P) LIMITED

K. B. NIRMALA
Authorised Signatory



CVR Labs (P) Limited

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33640

TEST REPORT

Page 1 of 1

Report No: 22050040.11

Report Date: 14/05/2022

Discipline : Chemical

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:

SAMPLE DETAILS

Sample Code	: 22050040.11	Sampled On	: 06/05/2022-07/05/2022
Sample Name	: Fibre Stack Monitoring	Sample Received On	: 07/05/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 07/05/2022
Customer Code	: NA	Test Completed On	: 14/05/2022

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	22050040.11	Pulveriser Stack	07-05-2022	Area	2	11:30AM	12:00PM	30	60	0.058

9. L. (Muthumaniam)

Verified By

14/05/2022

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

For CVR LABS (P) LIMITED

N. B. NIRMALA
Authorised Signatory

CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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TEST REPORT

Page 1 of 1

Report No: 22080016.01

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/S. Radico Industries Limited,
Dewanmari Aymia village Hariatara (PO) Hariatara, Kharagpur - 721304,
West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 22080016.01
Sample Name : Work zone Air Quality
Sample Description : Asbestos Fibre Monitoring
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA
Sampled On : 01/08/2022-02/08/2022
Sample Received On : 02/08/2022
Sampling Location : NA
Sampling Procedure : NIOSH 7400
Equipment Used : CVR/CH/065
Test Started On : 02/08/2022
Test Completed On : 09/08/2022

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	22080016.01	Stripping area	01/08/2022	Area	2	10:00AM	2:00PM	240	480	0.026

Verified By: *Girish Kumar*
09/08/2022

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

For CVR LABS (P) LIMITED
Nigenda O.K.B.
Authorised Signatory

CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582
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TEST REPORT

Report No: 22080016.02

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 22080016.02
Sample Name : Work zone Air Quality
Sample Description : Asbestos Fibre Monitoring
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA
Sampled On : 01/08/2022-02/08/2022
Sample Received On : 02/08/2022
Sampling Location : NA
Sampling Procedure : NIOSH 7400
Equipment Used : CVR/CH/065
Test Started On : 02/08/2022
Test Completed On : 09/08/2022

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	22080016.02	Moulding area	01/08/2022	Area	2	10:10 AM	2:10PM	240	480	0.038

Verified By
09/08/2022

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

For CVR LABS (P) LIMITED
K. B. Ramakrishna
Authorised Signatory

CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582
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TEST REPORT

Report No: 22080016.03

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/S. Ramco Industries Limited,
Dewannaro Ayma village Haraiara (PO) Haraiara, Kharagpur - 721304,
West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 22080016.03
Sample Name : Work zone Air Quality
Sample Description : Asbestos fibre Monitoring
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA
Sampled On : 01/08/2022-02/08/2022
Sample Received On : 02/08/2022
Sampling Location : NA
Sampling Procedure : NIOSH 7400
Equipment Used : CVR/CH/065
Test Started On : 02/08/2022
Test Completed On : 09/08/2022

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	22080016.03	Drum Cutter	01/08/2022	Area	2	10:20AM	2:20PM	240	480	0.033

For CVR LABS (P) LIMITED
N. Ramdas
K. Ramdas
Authorised Signatory

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

Verified By
N. Ramdas
09/08/2022

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

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TEST REPORT

Page 1 of 1

Report No: 22080016.04

Report Date:09/08/2022

Discipline : Chemical

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	: 22080016.04	Sampled On	: 01/08/2022-02/08/2022
Sample Name	: Work zone Air Quality Monitoring	Sample Received On	: 02/08/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 02/08/2022
Customer Code	: NA	Test Completed On	: 09/08/2022

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	22080016.04	Auto Box area	01/08/2022	Area	2	10:30AM	2:30PM	240	480	0.036

For CVR LABS (P) LIMITED

Nielsen, A. K. B.

K.B. NEMALA
Authorised Signatory

Verified By 09/08/2022

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



CVR Labs (P) Limited

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TEST REPORT

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Report No: 22080016.06

Report Date: 09/08/2022

Discipline : Chemical

Group: Atmospheric pollution

CUSTOMER DETAILS

Customer Name & Address:

M/S. Ramco Industries Limited.,
Dewanmaro Aynna village Hariatara (PO) Hariatara, Kharagpur -721304,
West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code	: 22080016.06	Sampled On	: 01/08/2022-02/08/2022
Sample Name	: Work zone Air Quality Monitoring	Sample Received On	: 02/08/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 02/08/2022
Customer Code	: NA	Test Completed On	: 09/08/2022

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	22080016.06	Slurry Mixer	02/08/2022	Area	2	10:00AM	2:00PM	240	480	0.027

G. Mathaniam
Verified By 09/08/2022

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

For CVR LABS (P) LIMITED

K.B. NIBOLLA
Authorised Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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TEST REPORT

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Report No: 22080016.07

Report Date: 09/08/2022

Discipline : Chemical

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:

SAMPLE DETAILS

Sample Code	: 22080016.07	Sampled On	: 01/08/2022-02/08/2022
Sample Name	: Work zone Air Quality Monitoring	Sample Received On	: 02/08/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 02/08/2022
Customer Code	: NA	Test Completed On	: 09/08/2022

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	22080016.07	Bod area	02/08/2022	Area	2	10:10AM	2:10PM	240	480	0.030

For CVR LABS (P) LIMITED

G. S. Muthumaniam

Verified By

09/08/2022

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

K. S. NIRMALA
Authorised Signatory



CVR Labs (P) Limited

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TEST REPORT

Page 1 of 1

Report No: 22080016.08

Report Date: 09/08/2022

Discipline : Chemical

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:

SAMPLE DETAILS

Sample Code	: 22080016.08	Sampled On	: 01/08/2022-02/08/2022
Sample Name	: Work zone Air Quality Monitoring	Sample Received On	: 02/08/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 02/08/2022
Customer Code	: NA	Test Completed On	: 09/08/2022

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	22080016.08	Pulveriser Area	02/08/2022	Area	2	10:20AM	2:20PM	240	480	0.032

G. Mathuram
Verified By 09/08/2022

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

For CVR LABS (P) LIMITED
K.B. Nirmala
Authorised Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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TEST REPORT

Page 1 of 1

Report No: 22080016.09

Report Date: 09/08/2022

Discipline : Chemical

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:

SAMPLE DETAILS

Sample Code	: 22080016.09	Sampled On	: 01/08/2022-02/08/2022
Sample Name	: Work zone Air Quality Monitoring	Sample Received On	: 02/08/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 02/08/2022
Customer Code	: NA	Test Completed On	: 09/08/2022

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	22080016.09	Ball Mill	02/08/2022	Area	2	10:30AM	2:30PM	240	480	0.035

G. M. Mathuramachari

Verified By

09/08/2022

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

For CVR LABS (P) LIMITED

Nirmala
K. NIRMALA
Authorized Signatory



CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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TEST REPORT

Page 1 of 1

Report No: 22080016.10

Report Date: 09/08/2022

Discipline : Chemical

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	: 22080016.10	Sampled On	: 01/08/2022-02/08/2022
Sample Name	: Fibre Stack Monitoring	Sample Received On	: 02/08/2022
Sample Description	: Asbestos Fibre	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: NIOSH 7400
Sample Quantity	: NA	Equipment Used	: CVR/CH/065
Sampled By	: CVR Labs	Test Started On	: 02/08/2022
Customer Code	: NA	Test Completed On	: 09/08/2022

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	22080016.10	Fibre Stack	02/08/2022	Area	1	11:00AM	11:30AM	30	30	0.029

G. G. Muthumaniam
Verified By 09/08/2022

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

For CVR LABS (P) LIMITED

N. K. B.
K. B. M. A.
Authorised Signatory

TEST REPORT



Report No: 22080016.11

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/S. Ramco Industries Limited,
Dewanmari Ayma village Hariatara (PO) Hanatara, Kharagpur - 721304,
West Bengal India.

Sample Code : 22080016.11

Sample Name : Fibre Slack Monitoring

Sample Description : Asbestos fibre

Sample Condition : Good

sample density

VN spey holding
containing (a) peduncle

Sampled On	:	01/08/2022-02/08/2022
Sample Received On	:	02/08/2022
Sampling Location	:	NA
Sampling Procedure	:	NIOSH 7400
Equipment Used	:	CVR/CH/065
Test Started On	:	02/08/2022
Test Completed On	:	09/08/2022

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	22080016.11	Pulveriser Stack	02/08/2022	Area	1	11:45AM	12:15 PM	30	30	0.037

Verified By 09/08/2022

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

For CVR LABS (P) LIMITED
N. S. M. J. A. K. R.
K. S. M. J. A. K. R.
Authorised signatory