



Dewanmari Ayma, P.O.-Hariatara, P.S.-Kharagpur (L), Dist.- Paschim Medinipur, West Bengal, Pin-721304
☎ +91 89455 25257/94340 28339/81700 40395, ✉ nss@ril.co.in/deb@ril.co.in/rat@ril.co.in
RIL CIN: L26943TN1965PLC005297

Date: 30/10/2024

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

Sub: Six Month Compliance Report

Dear Madam,

We are submitting our six-month compliance report from April'2024 to September'2024 duly complied with.

Kindly acknowledge the same.

Thanking you,

Yours faithfully,

For Ramco Industries Ltd.

N. Srinivasan
(Works Manager)



Encl:

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

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

Compliance Status of Ministry of Environment and Forests & Climate Change

Name of the Project: Ramco Industries Ltd.

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

Period of Compliance Report: From April'2024 to September'2024

CONDITIONS	COMPLIANCE STATUS
A. Specific conditions:	
i. The project proponent shall adhere to the prescribed BIS standards and laws regarding use of asbestos, safety of employees etc. Raw Materials like asbestos fibre and cement should be transported in closed containers. Asbestos fibre should be brought in palletized form, in impermeable bags and under compressed condition	We strictly adhere to the prescribed BIS standards and law regarding use and handling of asbestos safety of employee etc. Raw materials like asbestos fiber and cement are always transported in closed containers. Asbestos fiber always brought in palletized form in impermeable bags and under compress condition.
ii. Only Chrysotile white asbestos fibre shall be used. Blue asbestos should not be utilized as a raw material in the manufacturing process.	We use only WHITE CHRYSOTILE Fibre as raw material in the manufacturing process and we do not use blue asbestos.
iii. There should be no manual handling/opening of asbestos fibre bags. The company should install fully automatic asbestos fibre debagging system	There is no manual handling/opening of asbestos fibre bags. Fibre is stored in polythene woven bags and unloaded in the automatic bag-opening device (BOD) wherein the bags are automatically shredded. Thus, no manual handling comes into picture due to installation of fully automatic asbestos fibre debagging system.
iv. Fugitive emission shall be controlled by bringing cement in closed tankers, flyash in covered trucks and asbestos in impervious bags inside a closed mixer. Dust collectors shall be provided to fibre mill, Bag opening device (BOD), cement and flyash silos to control emissions. Bag filters followed by wet washer shall be provided at automatic bag opening machine, bag shredder, fibre mill and to cement silo to collect the dust and recycle it into the process. Fugitive emissions generated from hopper of Jaw crusher and pulverizer shall be channelized through hood with proper suction arrangement, bag filter and stack.	For controlling fugitive emission, Material received in bulk tankers are conveyed pneumatically to the respective silos and there are no fugitive emissions. Bag filters followed by wet washer are provided at automatic bag opening machine bag shredder and fiber mill, Cement, Fly ash silos and rejected sheets pulverizer to collect the dust and recycle into the process. Asbestos fibre count is being monitored at pulverizer area found within the permissible limit.
v. The company shall comply with total dust emission limit of 2mg/Nm ³ as notified under the Environment (protection) Act, 1986. Adequate measure should be adopted to control the process emission and ensure that the stack emission of asbestos fibre should not exceed the emission limit 0.2f/cc. asbestos fibre in work zone environment shall be maintained within 0.1 fibre/cc.	We are complying with total dust emission limit of 2mg/Nm ³ as notification under the Environment (Protection) Act, 1986. Adequate measures have been adopted to control the process emission. We ensure that the stack emission of asbestos fiber will not exceed the emission limit of 0.2 fiber/cc. Asbestos fiber in work zone 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 be laid in accordance with Factories Act. Better housekeeping practices shall be adopted for improvement of the environment within the work environment also. These includes: a) All monitoring transfer points shall be connected to dust extraction system. b) Leakage or dust from machines and ducts shall be plugged. c) Floor shall be cleaned by vacuum cleaner only. d) Enclosed belt conveyer shall be used instead of manual transportation of asbestos within the premises.	Proper housekeeping maintained within the plant premises, process and machinery. Exhaust ventilation system is installed in accordance with factories Act. For better housekeeping, following practices are adopted for improvement of the environment within the work environment. i) Wet mopping being done in shop floor. ii) Vacuum cleaning done at BOD & ER mill are. iii) Wet waste is collected in clarifier and recycled in the process. iv) Process water is collected in two Cone tank and recycled in the process. v) Broken sheets are collected and pulverized & reused in the process. a) We are cleaning the shop floor with the help of Vacuum Cleaner. b) Asbestos fibre is being transported from fibre godown through Forklift & through roller conveyor fibre bag are fed into the BOD.
viii. Quarterly monitoring of pollutant (PM₁₀, asbestos fibre count) in the work zone area and stack(s) shall be undertaken by the project proponents. In addition, asbestos fibre count including the fugitive dust in the work zone area shall be monitored by an independent monitoring agency like NIOH/ITRC/NCB or any other approved agency on six monthly basis and reports shall be submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.	Quarterly monitoring of asbestos fibre count in work zone (including Fugitive dust) is being monitored by external agency, M/s CVR Lab, Chennai. Results are in Annexure-1. Also fibre dust & fibre count are being monitored in our fibre stack by SPCB approved labs & by CVR Lab. Reports are attached herewith. The reports are being submitted to State Pollution Control Board & Ministry once in 6 months.



ix.	As reflected in the Environmental Management Plan, all the treated effluent shall be recycling and reused in the manufacturing process. No process water shall be discharged outside the premises and 'zero' discharge shall be maintained. All the domestic waste water shall be treated in septic tank followed by soak pit and used for green belt development.	The entire process water is recycled and reused in the manufacturing process. There is no process water discharged outside the premises and we are maintaining ZERO discharge. The domestic waste water is treated in septic tank followed by soak pit and used for green belt development.
x.	The Company shall ensure that the entire solid waste generated including process rejects, cement, flyash, dust from bag filters and empty asbestos bag shall be recycled back in the manufacturing process. There will be no solid waste disposal outside the plant premises. Asbestos fibres which cannot be further recycled due to contamination of iron dust shall be stored in HDPE lined secured landfill. The disposal facilities for asbestos waste shall be in accordance with the Bureau of Indian Standard Code.	We ensure that the entire solid waste generated including process rejects, dust from bag filters and empty asbestos bags are recycled in the manufacturing process. The solid waste is stored in closed hazardous waste storage shed. The same will be recycled into the process. Hence No product is disposed.
xi.	The cut and damaged fibre bags shall be repaired immediately. Empty fibre bags will be shredded into fine particles in a bag shredder and recycled into the process. Piling of AC sheets shall be done in wet condition only.	The cut and damaged fibre bags if any found are being repaired immediately by fixing the adhesive tape. Empty fiber bags are shredded into fine particles in a bag shredder and recycled into the process.
xii.	The Company shall obtain a certificate from the supplier of Chrysotile fibre that it does not any toxic or trace metals. A copy of certificate shall be submitted to the Ministry of Environment and Forest.	There is no toxic or trace elements found in the fibre supply.
xiii.	Regular medical examination of the workers and health monitoring of all the employees shall be carried out and if cases of asbestosis are detected, necessary compensation shall be arranged under the existing laws. A competent occupational health physician shall be appointed to carry out medical surveillance. Occupational health of all the workers shall be 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.	Regular medical examination of the workers and health monitoring of all the employees are carried out. We will maintain record upto minimum 15 years after retirement or cessation of employment whichever is lower. A competent occupational health physician will be appointed to carry out surveillance. The occupational health monitoring is being done as stipulated. We have provided medical and health care facilities at the work place and carry out health surveillance as per the directives of the supreme court.
xiv.	To educate the workers, all the work places where asbestos dust may cause a hazard shall be clearly indicated as a dust exposure area through the use of display signs which identifies the hazard and the associated health effects.	We educate the workers, all the work places where asbestos dust may cause a hazard is clearly indicated as a dust exposure area through the use of display signs which identifies the hazard and the associated health effects.
xv.	The company shall also undertake rain water harvesting measures and plan of action shall be submitted to the Ministry's Regional Office at Bhubaneswar within three months.	We have a rain water harvesting pond to store the rain water and reuse.



xvi.	All the commitments made to the public during Public Hearing/Public Consultation meeting held on 5 th October, 2012 shall be satisfactorily implemented and a separate budget for implementing the same should be allocated & information submitted to the Ministry's Regional Office at Bhubaneswar.	Recommendations made during public hearing are being done from time to time.
xvii.	Green belt shall be developed in at least 33% of plant area as per the CPCB guidelines in consultant with the DFO. More focus shall be given towards the South East side of the plant layout.	An effective green belt is being developed with local species in consultation with DFO as per CPCB guidelines, Efforts are further made to develop green belt in south eastern side.
xviii.	At least 5% of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan should be prepared & submitted to Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	We are regularly doing CSR activity.
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 standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) & 70 dBA (night time).	Noise levels in and around the Plant area are monitored regularly and is well under the limit.



vi.	Occupational health surveillance of the workers shall be done on a regular basis & records maintained as per the Factories Act.	Regular medical examination of the workers and health monitoring of all the employees are carried out by a competent occupational health physician. The occupational health monitoring is being done as per factories act.
vii.	The company shall develop rain water harvesting structure to harvest the rain water for utilization in the lean season besides recharging the ground water.	Rain water harvesting pond has been developed to augment ground water during rainy season.
viii.	The project proponent shall also comply with all the environmental protection measures & safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply & health care etc.	We are complying with safe guards recommended in the EIA/EMP report. Also we are regularly doing C.S.R activities.
ix.	Requisite funds shall be earmarked towards capital cost & recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.	Environmental Expenses details are Recurring Expenses: - April'24 to September'24- Rs 12,53,474/- 1) Garden Maintenance & Plantation- Rs-1,78,780/- 2) Personal Protective equipment, like Nose mask, hand gloves, Gum boot, etc- Rs-3,15,344/- 3) Environmental Monitoring jobs Rs-7,59,350/-
x.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body & the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also put on the web site of the company by the proponent.	Copy of EC accorded has been sent to local panchayat & Zila parishad. We have uploaded our EC in our company website.
xi.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website & shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Bhubaneswar. The respective Zonal office of CPCB & the SPCB. The criteria pollutant levels namely; 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 have uploaded the six monthly compliance reports in our company website (www.ramcoindia.com). We are regularly sending six monthly compliance reports to MOEF regional office every 6 months. We have also made available relevant critical parameters in display board near the main gate.
xii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, the respective Zonal	The monitoring data has already been sent to the office along with the compliance report for the period October'23 to March'24 in the month of April'24.



	Office of CPCB & the SPCB. The Regional Office of this Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions.	
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'31st) to state pollution control board. Also uploaded this in our website (www.ramcoindltd.com).
xiv.	The project proponent shall inform the public that the project has been accorded environmental clearance by the ministry & copies of the clearance letter are available with the SPCB & may also be seen at website of the Ministry of Environment & Forests at 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'24	Aug'24
Fibre Go down	0.064 f/cc	0.064 f/cc
BOD	0.039 f/cc	0.040 f/cc
Slurry Mixer	0.028 f/cc	0.037 f/cc
Cutter Off	0.031 f/cc	0.029 f/cc
Auto Box	0.048 f/cc	0.044 f/cc
Moulding	0.049 f/cc	0.038 f/cc
Stripping	0.038 f/cc	0.054 f/cc
Pulveriser	0.031 f/cc	0.049 f/cc
Ball Mill	0.044 f/cc	0.031 f/cc
Stack Attached to BOD & Edge runner mill	0.053 f/cc	0.087 f/cc
Stack Attached to Pulveriser	0.041 f/cc	0.074 f/cc





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

170436

Page 1 of 12

TEST REPORT

Report No: 24050061.01

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Rameo Industries Limited.,

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

Report Date: 24/05/2024

Group: Atmospheric pollution

Customer Reference:NA

SAMPLE DETAILS

Sample Code : 24050061.01
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 09/05/2024
Sample Received On : 10/05/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/069
Test Started On : 10/05/2024
Test Completed On : 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24050061.01	Stripping Area	09/05/2024	Area	1	9.40 AM	11.40 AM	120	120	0.038

EC
34/05/24
Verified By (E. LAVANYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

170407

TEST REPORT

Page 2 of 12

Report No: 24050061.02

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24050061.02
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 09/05/2024
Sample Received On : 10/05/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/068
Test Started On : 10/05/2024
Test Completed On : 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24050061.02	Moulding Area	09/05/2024	Area	1	9.50 AM	11.50 AM	120	120	0.049

E.G. 24/05/24
Verified By (E. LAVANYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

175478

TEST REPORT

Page 3 of 12

Report No: 24050061.03

Discipline : Chemical

Report Date: 24/05/2024

Group: Atmospheric pollution

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24050061.03
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 09/05/2024
Sample Received On : 10/05/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/251
Test Started On : 10/05/2024
Test Completed On : 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24050061.03	Drum Cutter Off Area	09/05/2024	Area	1	9.55 AM	11.55 AM	120	120	0.031

EC
24/05/24
Verified By (E. LAVANYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

170470

TEST REPORT

Page 4 of 12

Report No: 24050061.04

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Report Date: 24/05/2024

Group: Atmospheric pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24050061.04
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 09/05/2024
Sample Received On : 10/05/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/256
Test Started On : 10/05/2024
Test Completed On : 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24050061.04	Auto Box Area	09/05/2024	Area	1	9.55 AM	11.55 AM	120	120	0.048

EC
24/05/24
Verified By (E-LAVANYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

170500

TEST REPORT

Page 5 of 12

Report No: 24050061.05

Discipline : Chemical

Report Date: 24/05/2024

Group: Atmospheric pollution

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24050061.05
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 09/05/2024
Sample Received On : 10/05/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/257
Test Started On : 10/05/2024
Test Completed On : 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24050061.05	Fiber Godown	09/05/2024	Area	1	10.00 AM	12.00 PM	120	120	0.064

FL 24/05/24
Verified By (E. LAVANYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

170521

TEST REPORT

Page 6 of 12

Report No: 24050061.06

Discipline : Chemical

Report Date: 24/05/2024

Group: Atmospheric pollution

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code	: 24050061.06	Sampled On	: 09/05/2024
Sample Name	: Indoor Air Quality Monitoring	Sample Received On	: 10/05/2024
Sample Description	: Asbestos Fiber	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: IS 11450
Sample Quantity	: NA	Equipment Used	: CVR/CH/258
Sampled By	: CVR Labs	Test Started On	: 10/05/2024
Customer Code	: NA	Test Completed On	: 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24050061.06	Slurry Mixer	09/05/2024	Area	1	10.00 AM	12.00 PM	120	120	0.028

E.L. 24/05/24
Verified By (E. LAVANYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

170512

TEST REPORT

Page 7 of 12

Report No: 24050061.07

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24050061.07
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 09/05/2024
Sample Received On : 10/05/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/259
Test Started On : 10/05/2024
Test Completed On : 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24050061.07	BOD Area	09/05/2024	Area	1	10.05 AM	12.05 PM	120	120	0.039

EC
24/05/24
Verified By (E. LAVANYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

170503

TEST REPORT

Page 8 of 12

Report No: 24050061.08

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24050061.08
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 09/05/2024
Sample Received On : 10/05/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/260
Test Started On : 10/05/2024
Test Completed On : 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24050061.08	Pulveriser Area	09/05/2024	Area	1	10.10 AM	12.10 PM	120	120	0.031

E-L
24/05/24
Verified By (E-LAVNYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

: 20534

TEST REPORT

Page 9 of 12

Report No: 24050061.09

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Report Date: 24/05/2024

Group: Atmospheric pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code	: 24050061.09	Sampled On	: 09/05/2024
Sample Name	: Indoor Air Quality Monitoring	Sample Received On	: 10/05/2024
Sample Description	: Asbestos Fiber	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: IS 11450
Sample Quantity	: NA	Equipment Used	: CVR/CH/261
Sampled By	: CVR Labs	Test Started On	: 10/05/2024
Customer Code	: NA	Test Completed On	: 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/cc
01	24050061.09	Ball mill	09/05/2024	Area	1	10.15 AM	12.15 PM	120	120	0.044

EC 24/05/24
Verified By (E. LAVANYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

170515

TEST REPORT

Page 10 of 12

Report No: 24050061.10

Discipline : Chemical

Report Date: 24/05/2024

Group: Atmospheric pollution

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24050061.10
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 09/05/2024
Sample Received On : 10/05/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/262
Test Started On : 10/05/2024
Test Completed On : 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24050061.10	Near Loading Area (Ambient)	09/05/2024	Area	1	10.15 AM	12.15 PM	120	120	0.009

EC
24/05/24
Verified By (E. LAVANYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

70506

TEST REPORT

Page 11 of 12

Report No: 24050061.11

Discipline : Chemical

Report Date: 24/05/2024

Group: Atmospheric pollution

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24050061.11
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 09/05/2024
Sample Received On : 10/05/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/263
Test Started On : 10/05/2024
Test Completed On : 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24050061.11	Fiber Stack	09/05/2024	Area	1	11.00 AM	11.30 PM	30	30	0.053

EL
24/05/24
Verified By (E-LAVANYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

170524

TEST REPORT

Page 12 of 12

Report No: 24050061.12

Report Date: 24/05/2024

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	: 24050061.12	Sampled On	: 09/05/2024
Sample Name	: Indoor Air Quality Monitoring	Sample Received On	: 10/05/2024
Sample Description	: Asbestos Fiber	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: IS 11450
Sample Quantity	: NA	Equipment Used	: CVR/CH/263
Sampled By	: CVR Labs	Test Started On	: 10/05/2024
Customer Code	: NA	Test Completed On	: 24/05/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24050061.12	Pulveriser Stack	09/05/2024	Area	1	11.35 AM	12.05 PM	30	30	0.041

ECy 24/05/24
Verified By (E. LAVANYA)

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





CVR Labs (P) Limited

CIN NO: U 74140TN1999PTC043582

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

TEST REPORT

Page 1 of 12

Report No: 24080121.01

Discipline : Chemical

Report Date: 05/09/2024

Group: Atmospheric Pollution

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmaro Ayma village Hariatara (PO) Hariatara.

Kharagpur -721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24080121.01

Sample Name : Indoor Air Quality
Monitoring

Sample Description : Asbestos Fiber

Sample Condition : Good

Sample Quantity : NA

Sampled By : CVR Labs

Customer Code : NA

Sampled On : 08/08/2024

Sample Received On : 12/08/2024

Sampling Location : -

Sampling Procedure : IS 11450

Equipment Used : CVR/CH/252

Test Started On : 12/08/2024

Test Completed On : 05/09/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24080121.01	Stripping Area	08.08.2024	Area	2	10.30 AM	11.30 PM	60	120	0.054

T. Pal
05/09/2024
Verified By

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

For CVR LABS (P) LIMITED

Lavanya E
05/09/24
LAVANYA. E
Authorised Signatory

Laboratory - Accredited By: NABL (TC-7618); Recognized By: BIS, FSSAI, MoEF; Certified By: ISO 9001:2015 & ISO 45001:2018

Unless otherwise stated the results shown in this report refer only to the sample(s) tested. The report shall not be reproduced except in full without our written approval. Any complaints about the report should be communicated within 7 days. Separate report will be issued for non-accredited parameter(s). Asterisk mark or any other symbol will not use in the report. The tested sample(s) are retained 7 days (in case of perishable items) and 30 days for all other samples. The sample from regulatory bodies are to be retained as specified.



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

TEST REPORT

Page 2 of 12

Report No: 24080121.02

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24080121.02
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 08/08/2024
Sample Received On : 12/08/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CIH/263
Test Started On : 12/08/2024
Test Completed On : 05/09/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24080121.02	Moulding Area	08.08.2024	Area	2	10.33 AM	11.33 PM	60	120	0.038

T. Pal 05/09/2024
Verified By

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

For CVR LABS (P) LIMITED

Lavanya E
05/09/24
LAVANYA. E
Authorised Signatory

Laboratory - Accredited By: NABL (TC-7618); Recognized By: BIS, FSSAI, MoEF; Certified By: ISO 9001:2015 & ISO 45001:2018

Unless otherwise stated the results shown in this report refer only to the sample(s) tested. The report shall not be reproduced in full without our written approval. Any complaints about this report should be communicated within 7 days. A separate report will be issued for non-accredited parameter(s). Asterisk mark or any other symbol will not use in the report. The tested sample(s) are retained 7 days (in case of perishable items) and 30 days for all other samples. The sample from regulatory bodies are to be retained as specified.



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

TEST REPORT

Page 3 of 12

Report No: 24080121.03

Discipline : Chemical

Report Date: 05/09/2024

Group: Atmospheric Pollution

CUSTOMER DETAILS

Customer Name & Address:

M/s. Rameo Industries Limited.,

Dewanmuro Ayma village Hariatara (PO) Hariatara.

Kharagpur -721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24080121.03
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 08/08/2024
Sample Received On : 12/08/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/255
Test Started On : 12/08/2024
Test Completed On : 05/09/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24080121.03	Drum Cutter Off Area	08.08.2024	Area	2	10.35 AM	11.35 PM	60	120	0.029

T.P. 05/09/2024
Verified By

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

For CVR LABS (P) LIMITED

05/09/24
LAVANYA. E
Authorised Signatory



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

TEST REPORT

Page 4 of 12

Report No: 24080121.04

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Report Date: 05/09/2024

Group: Atmospheric Pollution

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24080121.04
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 08/08/2024
Sample Received On : 12/08/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/264
Test Started On : 12/08/2024
Test Completed On : 05/09/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24080121.04	Auto Box Area	08.08.2024	Area	2	10.38 AM	11.38 PM	60	120	0.044

T.P.A. aslogkay
Verified By

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

For CVR LABS (P) LIMITED

LAVANYA. E
Authorised Signatory



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

TEST REPORT

Page 5 of 12

Report No: 24080121.05

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmari Ayma village Hariatara (PO) Hariatara,

Kharagpur -721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24080121.05
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 08/08/2024
Sample Received On : 12/08/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/065
Test Started On : 12/08/2024
Test Completed On : 05/09/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24080121.05	Fiber Godown	08.08.2024	Area	2	10.40 AM	11.40 PM	60	120	0.064

T.P. 05/09/2024
Verified By

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

For CVR LABS (P) LIMITED

Laya
05/09/24
LAVANYA. E
Authorised Signatory

TEST REPORT

Page 6 of 12

Report No: 24080121.06

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

Report Date: 05/09/2024

Group: Atmospheric Pollution

M/s. Ramco Industries Limited.,

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code	:	24080121.06
Sample Name	:	Indoor Air Quality Monitoring
Sample Description	:	Asbestos Fiber
Sample Condition	:	Good
Sample Quantity	:	NA
Sampled By	:	CVR Labs
Customer Code	:	NA

Sampled On	:	08/08/2024
Sample Received On	:	12/08/2024
Sampling Location	:	NA
Sampling Procedure	:	IS 11450
Equipment Used	:	CVR/CH/066
Test Started On	:	12/08/2024
Test Completed On	:	05/09/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24080121.06	Slurry Mixer	08.08.2024	Area	2	10.43 AM	11.43 PM	60	120	0.037

Verified By T. P. Boston

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

For CVR LABS (P) LIMITED

Lava
05/09/24
LAVANYA. E
Authorised Signatory



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

TEST REPORT

Page 7 of 12

Report No: 24080121.07

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmari Ayma village Hariatara (PO) Hariatara,

Kharagpur -721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code	: 24080121.07	Sampled On	: 08/08/2024
Sample Name	: Indoor Air Quality Monitoring	Sample Received On	: 12/08/2024
Sample Description	: Asbestos Fiber	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: IS 11450
Sample Quantity	: NA	Equipment Used	: CVR/CH/067
Sampled By	: CVR Labs	Test Started On	: 12/08/2024
Customer Code	: NA	Test Completed On	: 05/09/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/cc
01	24080121.07	BOD Area	08.08.2024	Area	2	10.45 AM	11.45 PM	60	120	0.040

T.P. 05/09/2024
Verified By

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

For CVR LABS (P) LIMITED

05/09/24
LAVANYA. E
Authorised Signatory



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

TEST REPORT

Page 8 of 12

Report No: 24080121.08

Discipline : Chemical

Report Date: 05/09/2024

Group: Atmospheric Pollution

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

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

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24080121.08
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 08/08/2024
Sample Received On : 12/08/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/068
Test Started On : 12/08/2024
Test Completed On : 05/09/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24080121.08	Pulveriser Area	08.08.2024	Area	2	10.49 AM	11.49 PM	60	120	0.049

T.P. 05/09/2024
Verified By

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

For CVR LABS (P) LIMITED

LAVANYA. E
Authorised Signatory



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

TEST REPORT

Page 9 of 12

Report No: 24080121.09

Discipline : Chemical

CUSTOMER DETAILS

Customer Name & Address:

M/s. Ramco Industries Limited.,

Dewanmaro Ayma village Hariatara (PO) Hariatara,

Kharagpur - 721304, West Bengal India.

Customer Reference: NA

SAMPLE DETAILS

Sample Code : 24080121.09
Sample Name : Indoor Air Quality
Monitoring
Sample Description : Asbestos Fiber
Sample Condition : Good
Sample Quantity : NA
Sampled By : CVR Labs
Customer Code : NA

Sampled On : 08/08/2024
Sample Received On : 12/08/2024
Sampling Location : NA
Sampling Procedure : IS 11450
Equipment Used : CVR/CH/069
Test Started On : 12/08/2024
Test Completed On : 05/09/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24080121.09	Ball mill	08.08.2024	Area	2	10.53 AM	11.53 PM	60	120	0.031

T.P. 05/09/2024
Verified By

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

For CVR LABS (P) LIMITED

Lavanya E
05/09/24
LAVANYA. E
Authorised Signatory

Laboratory - Accredited By: NABL (TC-7618); Recognized By: BIS, FSSAI, MoEF; Certified By: ISO 9001:2015 & ISO 45001:2018

Unless otherwise stated the results shown in this report refer only to the sample(s) tested. The report shall not be reproduced except in full without the written approval. Any complaints about this report should be communicated within 7 days. Separate report will be issued for non-accredited parameter(s). Asterisk mark or any other symbol will not be used in the report. The tested sample(s) are retained 7 days (in case of perishable items) and 30 days for all other samples. The sample from regulatory bodies are to be retained as specified.



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

TEST REPORT

Page 10 of 12

Report No: 24080121.10

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	: 24080121.10	Sampled On	: 08/08/2024
Sample Name	: Indoor Air Quality Monitoring	Sample Received On	: 12/08/2024
Sample Description	: Asbestos Fiber	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: IS 11450
Sample Quantity	: NA	Equipment Used	: CVR/CH/224
Sampled By	: CVR Labs	Test Started On	: 12/08/2024
Customer Code	: NA	Test Completed On	: 05/09/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24080121.10	Fiber Stack	08.08.2024	Area	1	12.00 PM	12.30 PM	30	30	0.087

Verified By

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

For CVR LABS (P) LIMITED

LAVANYA. E
Authorised Signatory



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

TEST REPORT

Page 11 of 12

Report No: 24080121.11

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

Report Date: 05/09/2024

Group: Atmospheric Pollution

Sample Code	: 24080121.11	Sampled On	: 08/08/2024
Sample Name	: Indoor Air Quality Monitoring	Sample Received On	: 12/08/2024
Sample Description	: Asbestos Fiber	Sampling Location	: NA
Sample Condition	: Good	Sampling Procedure	: IS 11450
Sample Quantity	: NA	Equipment Used	: CVR/CH/225
Sampled By	: CVR Labs	Test Started On	: 12/08/2024
Customer Code	: NA	Test Completed On	: 05/09/2024

S. No	CVR Sample ID	Sample Location	Collected Date	Area/ person	Flow Rate Lpm	Time On	Time Off	Total Time (min)	Volume (Liters)	Fibers/ cc
01	24080121.11	Pulveriser Stack	08.08.2024	Area	1	12.00 PM	12.30 PM	30	30	0.074

T.Pet 05/09/2024
Verified By

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

For CVR LABS (P) LIMITED

Lavanya
05/09/24
LAVANYA. E
Authorised Signatory

Laboratory - Accredited By: NABL (TC-7618); Recognized By: BIS, FSSAI, MoEF; Certified By: ISO 9001:2015 & ISO 45001:2018

Unless otherwise stated the results shown in this report refer only to the sample(s) tested. The report shall not be reproduced except in full without our written approval. Any complaints about this report should be communicate within 7 days. Separate report will be issue for non-accredited parameter(s). Asterisk mark or any other symbol will not use in the report. The tested sample(s) are retained 7 days (in case of perishable items) and 30 days for all other samples. The sample from regulatory bodies are to be retained as specified.



ENVIROCHECK

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



TEST REPORT

FORMAT NO - ENV/EM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 11.04.2024
		Period of Analysis	: 12.04.2024 - 13.04.2024
		Date of Issue	: 15.04.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/23/April/A/1
		Report No.	: ENV/23/April/TR(A)/1/24-25

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Cement & Fly Ash Feeding Section
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 10 Ton/hr. (Running Load - 06 Ton/hr.)
Emission Due to	: Process Activity (Feeding of Raw Materials)
Fuel Used	: N.A.
Working Fuel Consumption	: Nil
Pollution Control Device	: Bag Filter

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part I)	: 32.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 9.71	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 4259.40	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 32.54	150.0

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

Reviewed By :

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Dy. Quality Manager

Dr. SUMIT CHOWDHURY
Technical Manager





ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 11.04.2024
		Period of Analysis	: 12.04.2024 - 13.04.2024
		Date of Issue	: 15.04.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/23/April/A/II
		Report No.	: ENV/23/April/TR(A)/II/24-25
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 27.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 21.83	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 5481.22	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 1.92	2.0

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

Reviewed By :

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Dr. Quality Manager

Dr. SUMIT 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/38

Name of the Industry	:	Ramco Industries Ltd.	Type of Industry	:	Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	:	Vill. - Dewannaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	:	11.04.2024
			Period of Analysis	:	12.04.2024 - 13.04.2024
			Date of Issue	:	15.04.2024
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
Sample Condition	:	Sealed	Sample ID No.	:	ENV/23/April/A/III
			Report No.	:	ENV/23/April/TR(A)/III/24-25
			Type of Sample	:	Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Pulverizer Section (No.1)
Shape of Stack	:	Circular
Materials of Construction	:	M.S.
Capacity	:	Rated - 02 Ton/hr. (Running - 02 Ton/hr.)
Emission Due to	:	Process Activity (Pulverizing of Waste Sheet & Materials)
Fuel Used	:	N.A.
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Bag Filter
		Height of Stack (mtr.) (from G.L.) : 15.0
		Stack I.D. at sampling point (mtr.) : 0.254
		Height of sampling port (mtr.) (from G.L.) : 6.40
		Permanent Platform & Ladder : Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS: 11255 (Part I)	: 36.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 755.0	N.A.
3.	Velocity of Gas flow	m/s	IS: 11255 (Part 3)	: 16.10	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	: 2808.65	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - I): 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec. 11 (Vol.11.07): 2017	: 1.86	2.0

Remarks : Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1996-87].
: N.A. means Not Available.
: Result relates only to the sample tested.

Reviewed By:

T. BALAKRISHNAN
Dy. Quality Manager

Authorised Signatory:

Dr. SUMIT 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/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, Paschini Medinipur - 721304	Sampling Date	11.04.2024
		Period of Analysis	12.04.2024 - 13.04.2024
		Date of Issue	15.04.2024
Sampling Plan & Procedure	ENV/SOP/01	Deviation from the Sampling Method and Plan	No
Sample Condition	Sealed	Sample ID No.	ENV/23/April/A/IV
		Report No.	ENV/23/April/TR(A)/IV/24-25
		Type of Sample	Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	218.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	755.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	16.52	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	892.25	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	41.91	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	7.8	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 : 2019	<1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	42.50	150.0

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

Reviewed By :

Dr. SUMIT CHOWDHURY
Technical Manager

Authorised Signatory :

Dr. SUMIT 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/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	:	11.04.2024 - 12.04.2024
			Period of Analysis	:	12.04.2024 - 13.04.2024
			Date of Issue	:	15.04.2024
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Ambient Air
Sample Condition	:	Sealed	Sample ID No.	:	ENV/23/April/A/V
			Report No.	:	ENV/23/April/TR(A)/V/24-25

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 61.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	49.18	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	81.50	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	12.52	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	26.50	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.48	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23 rd Ed 3114C : 2017	<0.01	6.0

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

: Result relates only to the sample tested.

Reviewed By :

ENVIRONMENTAL CONSULTANTS
Pvt. Quality Manager

Authorised Signatory :

Dr. SUMIT 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/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	:	11.04.2024 - 12.04.2024
			Period of Analysis	:	12.04.2024 - 13.04.2024
			Date of Issue	:	15.04.2024
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
Sample Condition	:	Sealed	Sample ID No.	:	ENV/23/April/A/VI
			Report No.	:	ENV/23/April/TR(A)/VI/24-25

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 61.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C) RESULTS

Sl. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	48.29	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	76.30	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	8.11	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	25.06	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.23	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vo. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23 rd Ed 3114C : 2017	<0.01	6.0

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

Reviewed By :

Authorised Signatory :

Dr. SUMIT 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/EM/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	: 11.04.2024 - 12.04.2024
		Period of Analysis	: 12.04.2024 - 13.04.2024
		Date of Issue	: 15.04.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/23/April/A/VII
		Report No.	: ENV/23/April/TR(A)/VII/24-25

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 61.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	56.61	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	91.20	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	7.88	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	20.04	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.18	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	ug/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	ug/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	ug/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

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

Reviewed By :

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Technical Manager





ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewannaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 11.04.2024 - 12.04.2024
		Period of Analysis	: 12.04.2024 - 13.04.2024
		Date of Issue	: 15.04.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/23/April/A/VIII
		Report No.	: ENV/23/April/TR(A)/VIII/24-25

A) GENERAL INFORMATION

1. Location of Sampling : Back Side of the Plant
2. Duration of Sampling : 24 hrs. (09:30 a.m. - 09:30 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 61.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	41.66	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	73.82	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	7.19	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	21.49	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.15	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA 10.3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA 10.3.2, 1999 & APHA 23 rd Ed 3114C : 2017	<0.01	6.0

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

: Result relates only to the sample tested.

Reviewed By :

PRADIP CHAKRABORTY
Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Technical Manager

<End of Report>





ENVIROCHECK

Recognized by MoEF & CC, WBPCB & SPCH

Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO. NABET/EIA/2326/1A 0117)

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



TC-6014

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	: 11.04.2024
		Period of Analysis	: 12.04.2024 - 15.04.2024
		Date of Issue	: 17.04.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Quality Control Lab	Sample Condition	: Sealed
		ULR No.	: TC601424000000279P

PARAMETERS		METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
					Acceptable	Permissible
1.	Colour	IS 3025 (Part 4): 2021	Hazen	1.0	5.0	15.0
2.	Odour	IS 3025 (Part 5): 2018	--	Odourless	Agreeable	Agreeable
3.	pH	IS 3025 (Part 11): 2022	--	6.77	6.5-8.5	No Relaxation
4.	Taste	IS 3025 (Part 4): 2021	--	Acceptable	Agreeable	Agreeable
5.	Turbidity	IS 3025 (Part 10): 2017	NTU	<1.0	1.0	5.0
6.	Total Dissolved Solids	IS 3025 (Part 16): 2017	mg/l	116.0	500.0	2000.0
7.	Aluminium	IS 15302: 2018	mg/l	<0.02	0.03	0.2
8.	Calcium	IS 3025 (Part 40): 2019	mg/l	12.82	75.0	200.0
9.	Chloride	IS 3025 (Part 32): 2019	mg/l	11.99	250.0	1000.0
10.	Iron	IS 3025 (Part 53): 2019	mg/l	0.08	1.0*	No Relaxation
11.	Magnesium	IS 3025 (Part 46): 2019	mg/l	3.84	30.0	100.0
12.	Manganese	IS 3025 (Part 59): 2017	mg/l	<0.05	0.1	0.3
13.	Nitrate	IS 3025 (Part 34): 2019	mg/l	2.60	45.0	No Relaxation
14.	Sulfate	IS 3025 (Part 24) Sec. 1: 2022	mg/l	12.50	200.0	400.0
15.	Total Alkalinity	IS 3025 (Part 23): 2019	mg/l	40.0	200.0	600.0
16.	Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2019	mg/l	48.0	200.0	600.0
17.	Zinc	IS 3025 (Part 49): 2019	mg/l	0.06	5.0	15.0
18.	Mercury	IS 3025 (Part 48): 2019	mg/l	<0.001	0.001	No Relaxation
19.	Arsenic	IS 3025 (Part 37): 2019	mg/l	<0.01	0.01	No Relaxation*
20.	Chromium	IS 3025 (Part 52): 2017	mg/l	<0.02	N.A.	N.A.
21.	Silica	APHA 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.

d) Result relates only to the sample tested.

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

Reviewed By :

Authorised Signatory :

INDRANI BHATTACHARYA
Technical Manager, CLM



ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB

Accredited by NABL (ISO/IEC 17025: 2017) & NABET (CERTIFICATE NO- NABET/EIA/2326/TA 0117)

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



TC-6014

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	: 11.04.2024
		Period of Analysis	: 12.04.2024 - 13.04.2024
		Date of Issue	: 17.04.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Quality Control Lab	Sample Condition	: Sealed
		ULR No.	: TC601424000000279P

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

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

b) CFU indicates Colony Forming Unit.

c) Result relates only to the sample tested.

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

Reviewed By :

ADAL CHAKRABORTY
By. Quality Manager

Authorised Signatory :

PRIYANKA MUKHERJEE
Technical Manager, Microbiology



ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB

Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO.: NABET/EIA/2326/IA 0117)

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



FORMAT NO. ENV/EM/53

TEST REPORT

Name of Industry / Company / Factory / Office	:	Ramco Industries Limited
Address	:	Village - Dewanmura Ayma, P.O. - Haritara, P.S. - Kharagpur, District - Pachin Medinipur, Pin- 721301.
Type of Industry	:	Asbestos Cement Corrugated & Accessories Manufacturing Unit
Sampling Plan & Procedure	:	ENV/SOP/02
Deviation from the Sampling Method & Plan	:	No
Type of Sample	:	Noise Level Study
Sample ID	:	ENV/01/April/N
Date of Study	:	11/04/2024
Method No.	:	IS 15575 (Part 2), 2022
Sample Monitored by	:	Mr. Biswajit Dey
Report ID	:	ENV/01/April/(TR)/N/24-25
Reporting Date	:	17/04/2024
Time of Duration of Noise	:	20 Minutes
Height from Ground Level	:	4 Feet.

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (Hours)	Min dB (A)	Max dB (A)	L _{eq} dB (A)	Limit in LeqdB(A)
1.	Near Main Gate	52.5	53.5	51.5	50.4	51.7	49.4	43.9	53.5	52.1	51.9	9:00 - 9:20 A.M (Day Time)	49.4	51.9	51.50	A. Industrial Area (Day Time - 75.0) (Night Time - 70.0)
2.	Near Main Gate	46.8	47.3	45.4	44.1	43.7	42.4	43.5	45.2	47.1	44.5	10:00 - 10:20 P.M (Night Time)	42.4	47.3	45.56	
3.	Near Stock Yard	59.8	61.3	63.2	61.8	60.7	59.4	58.1	57.4	59.1	60.3	9:30 - 9:50 A.M (Day Time)	57.4	63.2	60.43	B. Commercial Area (Day Time - 65.0) (Night Time - 55.0)
4.	Near Stock Yard	52.3	55.2	56.3	53.7	52.9	51.5	53.7	55.6	54.2	53.8	10:30 - 10:50 P.M (Night Time)	51.5	56.3	54.38	
5.	Near Scrap Yard	67.1	64.5	62.5	65.7	67.3	68.7	66.2	67.7	66.1	65.2	10:00 - 10:20 A.M (Day Time)	62.5	68.7	65.50	C. Residential Area (Day Time - 55.0) (Night Time - 45.0)
6.	Near Scrap Yard	59.2	51.3	48.1	46.2	47.1	51.4	50.3	49.1	50.2	50.9	11:00 - 11:20 P.M (Night Time)	46.2	51.4	49.78	
7.	Back Side of the Plant	62.1	61.7	65.3	64.9	62.8	65.4	61.5	62.7	63.8	64.7	10:30 - 10:50 A.M (Day Time)	60.4	65.3	63.44	D. Silent Zone (Day Time - 50.0) (Night Time - 40.0)
8.	Back Side of the Plant	54.3	55.4	59.3	57.0	54.5	52.3	51.3	53.7	54.9	55.1	11:30 - 11:50 P.M (Night Time)	51.3	55.4	53.91	

> End of Report <

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

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

** Day Time is reckoned in between

** Night Time is reckoned in between

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

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

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

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

Reviewed By:

Authorized Signatory:

ENVIROCHECK LABORATORY
Quality Manager

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
 Laboratory : 189, 190, 192, 186, & 51, Rastraguru Avenue, Kolkata - 700028 ■ Ph. 033 25792889
 E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
 Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
 Overseas : UAE ■ Qatar ■ Netherlands



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 10.05.2024	Report No: IC/HL/A/PTC-314/2024	Format No: IC/PM/HL/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-314
Address	Dewanmuro, Ayma, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 03.05.2024
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 12:30 PM
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	Analysis Start Date : 06.05.2024
#Sample Description	STACK AIR	Analysis complete Date : 07.05.2024
#Location	D.G. SET (750 KVA)	
Sample Condition	In Glass Microfiber Thimble & Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.) # GENERAL INFORMATION ABOUT STACK:

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

Whether Stack is provided with permanent Platform / Ladder : Yes

B.) PHYSICAL DATA:

Flue Gas Temperature (°C)	167	Stem Generation Capacity :	
Barometric Pressure (mm Hg)	754	a) Rated	-
Velocity of Gas flow (m/s)	13.83	b) Running	-
Quantity of Gas flow (Nm³/hr)	1028.99	Load a) Rated	750 KVA
Pressure	-	b) Running	750 KVA

C.) RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	60.0	IS 11255 (Part -1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03	Sulphur di-oxide (mg/Nm³)	109.22	IS 11255 (Part -2): 1985 (RA 2019)
04	Oxides of Nitrogen (as NOx)-(mg/m³)	148.80	IS 11255 (Part -7): 2005 (RA 2017)
05	Carbon mono oxide (as CO)- % (V/V)	<0.2	IS 13270:1992 (RA 2019)
06	Carbon di oxide (as CO₂)-% (V/V)	6.4	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample mounted 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-154 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 4 of 4

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 10.05.2024	Report No: ICD/HLA/PTC-315/2024	Format No: ICD/PM/H/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-315
Address	Dewanmara, Ayma, P.O. Hariatara, P.S.-Khatagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 03.05.2024
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No +91-7063511804	Sampling Time : 03.00 PM
#Work Order No.	KHG/POB/0050/24-25, Dtd. 10.04.2024	Analysis Start Date : 06.05.2024
#Sample Description	STACK AIR	Analysis complete Date : 07.05.2024
#Location	PULVERIZER SECTION	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part II)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	Circular
Stack attached to	PULVERIZER SECTION	Material of Construction	MS
Emission due to	Process Activity	Stack ID at sampling point (M)	0.26
Fuel Used	-	At Bottom (M)	-
Rated Fuel Consumption	-	At Top (M)	-
Working Fuel Consumption	-	Height Details :	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	15.00
Sulphur Content (% by 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)	33	Stream Generation Capacity:	
Barometric Pressure (mm Hg)	754	a) Rated	-
Velocity of Gas flow (m/s)	10.40	b) Running	-
Quantity of Gas flow (Nm ³ /hr)	1921.73	Load	
Pressure	-	a) Rated	-
		b) Running	1 TPH

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm ³)	8.0	IS 11255 (Part -I) 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-	
03	Carbon mono oxide (as CO)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
04	Carbon di oxide (as CO ₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mohan

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager

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

INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-153 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

Page 3 of 4

End of Report

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 10.05.2024	Report No: IC/IL/A/PTC-316/2024	Format No: IC/PM/IL/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-316
Address	Dewanmari, Ayma, P.O - Haristara, P.S. - Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 03.05.2024
#Customer Representative Name & Contact Number	Mr. Taraknath Bose Mob. No. +91-7063511804	Sampling Time : 11:15 AM
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	Analysis Start Date : 06.05.2024
#Sample Description	STACK AIR	Analysis complete Date : 07.05.2024
#Location	CEMENT & FLY ASH FEEDING SECTION	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

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

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	37	<u>Steam Generation Capacity:</u>	
Barometric Pressure (mm Hg)	754	a) Rated	-
Velocity of Gas flow (m/s)	13.17	b) Running	-
Quantity of Gas flow (Nm³/hr)	5688.56	<u>Load</u>	
Pressure	-	a) Rated	-
		b) Running	10 TPH

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	16.0	IS 11255 (Part -1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03	Carbon mono oxide (as CO₂) % (V/V)	<0.2	IS 13270:1992 (RA 2019)
04	Carbon di oxide (as CO₂) % (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Thimbles) is 180 days & thimble no. T-152 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 2 of 4

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 10.05.2024	Report No: ICI/HL/A/PTC-317/2024	Format No: ICI/FM/IL/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanpara, Ayma, P.O.-Hazarpara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Mr. Tarakanth Bose Mob. No. +91-7063511804	Sampling Time
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	Analysis Start Date
#Sample Description	STACK AIR	Analysis complete Date
#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	Stack attached to	EDGE RUNNER MILL BOD & SLURRY MIXING	Shape of Stack	Circular
Emission due to	Process Activity		Material of Construction	MS
Fuel Used			Stack ID at sampling point (M)	0.30
Rated Fuel Consumption			At Bottom (M)	-
Working Fuel Consumption			At Top (M)	0.30
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 & WET SCRUBBER		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)	27	Stream Generation Capacity:	
Barometric Pressure, (mm Hg)	754	a) Rated	-
Velocity of Gas flow (m/s)	17.49	b) Running	-
Quantity of Gas flow (Nm³/hr)	4398.52	Load	
Pressure	-	a) Rated	-
		b) Running	1 TPH

C.] RESULT OF SAMPLING:

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-151 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

Page 1 of 4

End of Report

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 10.05.2024	Report No: ICI/HILJA/RN-320/2024	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmari, Ayra, P.O. - Harinara, P.S. - Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Mr. Tanikrath Bose Mob. No. +91-7063311804	Analysis Start Date
#Work Order No.	KHIG/POR/0050/24-25, Dtd. 10.04.2024	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)	
Test Specification	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 th November 2009	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:00 AM to 06:00 PM	06:15 PM to 02:15 AM	02:30 AM to 10:30 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	85.19	97.59	80.53	87.77	IS 5182 (Part - 23) 2006 (RA 2022)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	32.97	40.15	34.90	36.01	IS 5182 (Part - 24) 2019
3	Sulphur Dioxide (SO ₂)	µg / m ³	18.24	22.30	17.23	19.26	IS 5182 (Part - 2) 2001 (RA 2022)
4	Oxides of Nitrogen (NO _x)	µg / m ³	42.00	50.75	44.63	45.79	IS 5182 (Part - 6) 2005 (RA 2022)
5	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol 1) NAAQMS/36/2012-13 Atomic AAS Method
6	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11) 2005 (RA 2017)
7	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1985 Method No. 408
8	Ozone (O ₃)	µg / m ³	43.7	-	-	43.7	Guidelines for Measurement of ambient air pollutant (Vol 1) NAAQMS/36/2012-13 (Chemical Method)
9	Carbon Monoxide (CO)	mg / m ³	0.3015	0.3612	0.4219	0.3615	Non-Dispersive Infrared Spectrometry Method
10	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12) 2004 (RA 2019)
11	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13	Ambient Temperature (Average)	°C	39.0	31.0	29.0	33.0	Hygrometer

BLQ= Below Limit of Quantification

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

PM₁₀= 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO_x=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis, Carbon monoxide=2 mg/m³, O₃=100 µg/m³, 8 hours basis, Benzene=5 µg/m³, 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: *[Signature]*

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

[Signature]
Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Note:

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

[Signature]
Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 10.05.2024	Report No: ICI/HLA/RN-321/2024	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmari, Ayma, P.O.-Haristara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Mr. Tarakanth Bose Mob. No +91-7063511804	Analysis Start Date
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10/04/2024	Analysis complete Date
#Sample Description	AMBIENT AIR	
#Location	NEAR SCRAP YARD	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle. Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - I)	
Test Specification	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18 th November 2009	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:15 AM to 06:15 PM	06:30 PM to 02:30 AM	02:45 AM to 10:45 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	85.74	94.03	81.47	87.02	IS 5182 (Part - 21) 2006 (RA 2022)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	30.12	35.81	32.10	32.68	IS 5182 (Part - 24) 2019
3	Sulphur Dioxide (SO ₂)	µg / m ³	15.20	21.28	19.26	18.58	IS 5182 (Part - 2) 2001 (RA 2022)
4	Oxides of Nitrogen (NO _x)	µg / m ³	42.00	45.50	40.25	42.58	IS 5182 (Part - 6) 2006 (RA 2022)
5	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/16/2012-13 Atomic AAS Method
6	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11) 2006 (RA 2017)
7	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8	Ozone (O ₃)	µg / m ³	41.9	-	-	41.9	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/16/2012-13 (Chemical Method)
9	Carbon Monoxide (CO)	mg / m ³	0.2981	0.3612	0.4112	0.3568	Non-Dispersive Infrared Spectrometry Method
10	Benz(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12) 2004 (RA 2019)
11	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13	Ambient Temperature (Average)	°C	39.0	31.0	29.0	33.0	Hygrometer

BLQ= Below Limit of Quantification

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

PM₁₀ = 100 µg/m³, PM_{2.5} = 50 µg/m³, SO₂ = 80 µg/m³, NO_x = 80 µg/m³, Lead = 1.0 µg/m³, Ammonia = 400 µg/m³, 24 hours basis, Carbon mono oxide = 2 mg/m³, O₃ = 180 µg/m³, Shows basis, Benzene = 5 µg/m³, Benzopyrene = 1 ng/m³, Arsenic = 6 ng/m³, Nickel = 20 ng/m³, Annual basis. For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

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

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

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

- Note:
- Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as, NA
 - 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

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 10.05.2024	Report No: ICI/HL/A/RN-322/2024	Format No: ICI/FM/II/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmari, Ayra, P.O - Harinara, P.S - Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Mr. Tarakanth Bose Mob. No. +91-7063511804	Analysis Start Date
#Work Order No.	KHIG/PCR/0050/24-25, Dtd. 10.04.2024	Analysis complete Date
#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 3rd Edition, CPCB Guideline (Vol - 1)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:30 AM to 06:30 PM	06:45 PM to 02:45 AM	03:00 AM to 11:00 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	89.66	95.48	83.15	89.43	IS 5182 (Part - 23)/2006 (RA 2022)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	33.42	43.32	39.29	38.68	IS 5182 (Part - 24)/2019
3	Sulphur Dioxide (SO ₂)	µg / m ³	16.22	23.31	20.27	19.93	IS 5182 (Part - 2)/2001 (RA 2022)
4	Oxides of Nitrogen (NO ₂)	µg / m ³	41.13	46.38	42.60	43.17	IS 5182 (Part - 6)/2006 (RA 2022)
5	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11)/2006 (RA 2017)
7	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3rd Edition, 1988 Method No. 408
8	Ozone (O ₃)	µg / m ³	42.7	-	-	42.7	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9	Carbon Monoxide (CO)	mg / m ³	0.3015	0.3519	0.4029	0.3521	Non-Dispersive Infrared Spectrometry Method
10	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12)/2004 (RA 2019)
11	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13	Ambient Temperature (Average)	°C	39.0	31.0	30.0	33.0	Hygrometer

BLQ= Below Limit of Quantification

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

PM₁₀ = 160 µg/m³, PM_{2.5} = 60 µg/m³, SO₂ = 80 µg/m³, NO₂ = 60 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: N. Pramanik

For: INDICATIVE CONSULTANT INDIA

Parbati Ghosh
(Quality Manager)
Signature Authority

Parbati Ghosh
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Estimated Uncertainty: Not Required

Note:

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

End of Report

Page 1 of 1

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 10.05.2024	Report No: ICI/HL/A/RN-323/2024	Format No: ICI/FM/ID/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/AC-323
Address	Dewanmuro, Ayma, P.O.-Haratara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 03.05.2024 to 04.05.2024
Customer Representative Name & Contact Number	Mr. Tanuknath Bose Mob. No. +91-7063511804	Analysis Start Date : 06.05.2024
Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	Analysis complete Date : 09.05.2024
Sample Description	AMBIENT AIR	
Location	BACK SIDE OF THE PLANT	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:45 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	81.47	87.27	83.71	84.15	IS 5182 (Part - 23) 2006 (RA 2022)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	30.46	38.64	35.62	34.91	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	17.23	25.34	18.24	20.27	IS 5182 (Part - 2) 2001 (RA 2022)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	40.25	45.50	42.00	42.58	IS 5182 (Part - 6) 2005 (RA 2022)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol. 1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11) 2005 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1983 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	0.3112	0.3615	0.4107	0.3611	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	39.0	31.0	30.0	33.0	Hygrometer

BLQ= Below Limit of Quantification

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

PM₁₀ = 100 µg/m³, PM_{2.5} = 60 µg/m³, SO₂ = 80 µg/m³, NO_x = 80 µg/m³, Lead = 1.0 µg/m³, Ammonia = 400 µg/m³, 24 hours basis, Carbon mono oxide = 2 mg/m³, O₃ = 180 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 rule Central Pollution Control Board, New Delhi. Notification dated 18th November 2009

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golu
(Quality Manager)
Signatory Authority

Parbati Golu
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Note:

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

End of Report

Page 1 of 1

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 10.05.2024		Report No: ICI/HL/N/TC-072/2024	Format No: ICI/FM/EL/68
Customer Name		M/s. RAMCO INDUSTRIES LTD.	
Address		Dewanmari, Ayma, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur	
#Customer Representative Name & Contact No.		Mr. Tanakrath Bose Mob. No. +91-7063511804	
#Work Order No.		KHG/POR/0050/24-25, Dtd. 10.04.2024	
#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

#Noise Source/ Location: NEAR MAIN GATE						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-359	03.05.2024	10:00 AM	57.72	58.4	56.9	As per note

#Noise Source/ Location: NEAR STOCK YARD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-360	03.05.2024	10:30 AM	60.65	62.3	59.1	As per note

#Noise Source/ Location: BACK SIDE OF THE PLANT						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-361	03.05.2024	12:05 PM	55.94	57.3	54.2	As per note

#Noise Source/ Location: NEW SCRAP YARD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-362	03.05.2024	11:15 AM	61.84	63.2	60.2	As per note

*Note:

NOISE STANDARD

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

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

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

End of Report

Page 1 of 1

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 10.05.2024	Report No: ICI/HIL/N/TC-073/2024	Format No: ICI/FM/H/68	
Customer Name	M/s. RAMCO INDUSTRIES LTD.		
Address	Dewanpara, Ayra, P.O. -Harimara, P.S. -Kharagpur, Paschim Medinipur		
#Customer Representative Name & Contact No.	Mr. Taraknath Bose Mob. No. +91-7063511804		
#Work Order No.	KIIG/POR/0050/24-25, Dtd. 10.04.2024		
#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)
2024/N-363	03.05.2024	10:55 AM	74.01	75.1	72.6	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)
2024/N-364	03.05.2024	11:45 AM	79.53	80.5	77.3	As per note

#Noise Source/ Location: NEAR CORRUGATION BOX						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-365	03.05.2024	12:30 PM	78.52	79.6	76.3	As per note

#Noise Source/ Location: STRIPPING SECTION						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-366	03.05.2024	01:05 PM	81.24	82.5	80.0	As per note

*Note:

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Page 1 of 1

End of Report

Reviewed By: QM/TM



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/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.06.2024
		Period of Analysis	: 10.06.2024 - 10.06.2024
		Date of Issue	: 12.06.2024
Sampling Plan & Procedure	: ENV/SOP/D1	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/lunc/A/I
		Report No.	: ENV/16/lunc/TR(A)/1/24-25
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part I)	: 39.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 9.48	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 4071.34	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - I) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 [Vol.11.07] : 2017	: 38.50	150.0

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

Reviewed By :

DUTTA DAL CHANDRA SIKDHY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT 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/39

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.06.2024
		Period of Analysis	: 10.06.2024 - 10.06.2024
		Date of Issue	: 12.06.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/June/A/II
		Report No.	: ENV/16/June/TR(A)/II/24-25
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Edge Runner Mill HOD (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)	30.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	21.03	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	5072.91	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	1.81	2.0

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

Reviewed By :

Dr. SUMIT CHOWDHURY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT 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/38

Name of the Industry	:	Ramco Industries Ltd.	Type of Industry	:	Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	:	Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	:	08.06.2024
			Period of Analysis	:	10.06.2024 - 10.06.2024
			Date of Issue	:	12.06.2024
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Stack Emission
Sample Condition	:	Sealed	Sample ID No.	:	ENV/16/June/A/III
			Report No.	:	ENV/16/June/TR(A)/III/24-25

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Pulverizer Section (No.1)
Shape of Stack	:	Circular
Materials of construction	:	M.S.
Capacity	:	Rated - 02 Ton/hr. (Running - 02 Ton/hr.)
Emission Due to	:	Process Activity (Pulverizing of Waste Sheet & Materials)
Fuel Used	:	N.A.
Working Fuel Consumption	:	Nil
Pollution Control Device	:	Bag Filter
		Height of Stack (mtr.) (from G. L.) : 15.0
		Stack I.D. at sampling point (mtr.) : 0.254
		Height of sampling port (mtr.) (from G.L.) : 6.40
		Permanent Platform & Ladder : Yes

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.	--	756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	16.46	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	2835.46	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	1.84	2.0

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

Reviewed By :

DEBASADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Technical Manager





ENVIROCHECK

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



TEST REPORT

FORMAT NO.: ENV/FM/TR

Name of the Industry	: Rantco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.06.2024
		Period of Analysis	: 10.06.2024 - 10.06.2024
		Date of Issue	: 12.06.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/June/A/IV
		Report No.	: ENV/16/June/TR(A)/IV/24-25
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part I)	: 236.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 16.08	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 879.37	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	: 41.43	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	: 7.6	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 : 2019	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 46.52	150.0

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

Reviewed By :

Dr. SUMIT CHOWDHURY
Technical Manager

Authorised Signatory :

Dr. SUMIT 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/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	:	08.06.2024 - 09.06.2024
			Period of Analysis	:	10.06.2024 - 10.06.2024
			Date of Issue	:	12.06.2024
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
Sample Condition	:	Sealed	Sample ID No.	:	ENV/16/June/A/V
			Report No.	:	ENV/16/June/TR(A)/V/24-25

A) GENERAL INFORMATION

1. Location of Sampling : Near Main Gate
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 (%) : 65.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Sunny & Occasionally Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	49.29	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	81.67	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	9.20	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	28.50	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.46	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 19th November, 2009.

Result relates only to the sample tested.

Reviewed By :

DR. SUMIT CHOWDHURY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT 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/32

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.06.2024 - 09.06.2024
		Period of Analysis	: 10.06.2024 - 10.06.2024
		Date of Issue	: 12.06.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample Condition	: Sealed	Sample ID No.	: ENV/16/June/A/VI
		Report No.	: ENV/16/June/TR(A)/VI/24-25

A) GENERAL INFORMATION

1. Location of Sampling : Near Stock Yard
2. Duration of Sampling : 24 hrs. (09:50 a.m. - 09:50 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.0
2. Average Relative Humidity (%) : 65.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Sunny & Occasionally Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM ₁₀	µg/m ³	IS 5182 (Part 24) : 2019	56.23	60.0
2.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (PART 23) : 2019	92.54	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	8.56	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	25.05	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.36	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23 rd Ed 3114C : 2017	<0.01	6.0

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

Reviewed By :

Dr. SUMIT CHOWDHURY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT 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/32

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.06.2024 - 09.06.2024
		Period of Analysis	: 10.06.2024 - 10.06.2024
		Date of Issue	: 12.06.2024
Sampling Plan & Procedure	: ENV/SOP/D1	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/June/A/VII
		Report No.	: ENV/16/June/TR(A)/VII/24-25

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.0
2. Average Relative Humidity (%) : 65.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Sunny & Occasionally Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	51.66	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	84.22	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	7.70	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	23.55	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.26	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

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

: Result relates only to the sample tested.

Reviewed By :

Dr. Sumit Chowdhury
Jy. Quality Manager

Authorised Signatory :

Dr. SUMIT 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/32

Name of the Industry	: Ramco 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	: 08.06.2024 - 09.06.2024
		Period of Analysis	: 10.06.2024 - 10.06.2024
		Date of Issue	: 12.06.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/16/June/A/VIII
		Report No.	: ENV/16/June/TR(A)/VIII/24-25

A) GENERAL INFORMATION

1. Location of Sampling : Back Side of the Plant
2. Duration of Sampling : 24 hrs. (10:45 a.m. - 10:45 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 33.0
2. Average Relative Humidity (%) : 67.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Sunny & Occasionally Cloudy

C) RESULTS

Sl. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	44.62	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	76.81	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	5.35	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	19.95	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.23	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

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

Reviewed By :

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Technical Manager

<End of Report>





ENVIROCHECK

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



FORMAT NO. ENV/FM/53

TEST REPORT

Name of Industry / Company / Factory / Office	Banco Industries Limited
Address	Village - Dewamara Ayma, P.O. - Harietara, P.S. - Kharagpur, District - Paschim Medinipur, Pin- 721301.
Type of Industry	Asbestos Cement Corrugated & Accessories Manufacturing Unit
Sampling Plan & Procedure	ENV/SOP/02
Deviation from the Sampling Method & Plan	No
Type of Sample	Noise Level Study
Sample ID	ENV/97/M/N
Date of Study	06/06/2024
Method No.	IS 15575 (Part 2), 2022
Sample Monitored by	Mr. Biswajit Dey
Report ID	ENV/97/M/(TR)/N/24-25
Reporting Date	12/06/2024
Time of Duration of Noise	20 Minutes
Height from Ground Level	4 Feet.

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (Hours)	Min dB (A)	Max dB (A)	L _{eq} dB (A)	Limit in LeqdB(A)
1.	Near Main Gate	50.3	54.7	51.2	52.3	53.5	53.0	51.9	51.4	53.2	53.8	9:30 - 9:20 A.M (Day Time)	50.3	54.7	52.62	A. Industrial Area (Day Time - 75.0) (Night Time - 70.0)
2.	Near Main Gate	43.5	49.5	49.5	45.2	50.1	44.5	45.3	45.2	47.4	48.1	10:50 - 10:20 P.M (Night Time)	43.5	50.1	47.75	
3.	Near Stock Yard	56.8	64.2	59.1	51.5	62.2	53.4	64.4	59.9	60.8	61.5	9:30 - 9:50 A.M (Day Time)	56.8	64.4	61.91	B. Commercial Area (Day Time - 65.0) (Night Time - 55.0)
4.	Near Stock Yard	52.0	53.3	54.6	51.5	52.8	51.3	52.4	53.2	51.7	52.2	10:30 - 10:50 P.M (Night Time)	51.5	54.6	52.55	
5.	Near Scrap Yard	63.3	67.5	64.2	65.8	67.0	61.5	62.2	63.8	60.8	61.9	10:00 - 10:20 A.M (Day Time)	60.8	67.5	64.35	C. Residential Area (Day Time - 55.0) (Night Time - 45.0)
6.	Near Scrap Yard	47.2	52.4	49.1	50.6	51.3	52.5	48.8	47.5	46.2	48.1	11:00 - 11:20 P.M (Night Time)	46.2	52.5	49.88	
7.	Back Side of the Plant	60.8	66.5	61.5	62.4	63.8	65.1	60.9	61.6	62.8	63.8	10:30 - 10:50 A.M (Day Time)	60.8	66.5	63.31	D. Silent Zone (Day Time - 50.0) (Night Time - 40.0)
8.	Back Side of the Plant	52.3	56.0	53.8	54.6	55.1	53.7	52.9	51.4	52.0	53.6	11:30 - 11:50 P.M (Night Time)	51.4	56.0	53.75	

> End of Report <

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

Reviewed By:

[Signature]

Dr. ADARSH CHAKRABORTY
By: Quality Manager

Authorized Signatory:

[Signature]

Dr. AJAY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025 : 2017) & NABET (CERTIFICATE NO.: NABET/ELA/2326/IA 0117)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.06.2024
		Period of Analysis	: 10.06.2024 - 15.06.2024
		Date of Issue	: 17.06.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Quality Control Lab	Sample Condition	: Sealed
		ULR No.	: TC601424000000499P

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4) : 2021	Hazen	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5) : 2018	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11) : 2022	--	6.92	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 4) : 2021	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10) : 2017	NTU	1.62	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16) : 2017	mg./l	118.0	500.0	2000.0
7. Aluminium	IS 15302 : 2018	mg./l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40) : 2019	mg./l	12.82	75.0	200.0
9. Chloride	IS 3025 (Part 32) : 2019	mg./l	15.99	250.0	1000.0
10. Iron	IS 3025 (Part 53) : 2019	mg./l	0.68	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46) : 2019	mg./l	2.88	30.0	100.0
12. Manganese	IS 3025 (Part 59) : 2017	mg./l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34) : 2019	mg./l	2.80	45.0	No Relaxation
14. Sulfate	IS 3025 (Part 24) Sec. 1 : 2022	mg./l	62.50	200.0	400.0
15. Total Alkalinity	IS 3025 (Part 23) : 2019	mg./l	48.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21) : 2019	mg./l	44.0	200.0	600.0
17. Zinc	IS 3025 (Part 49) : 2019	mg./l	0.07	5.0	15.0
18. Mercury	IS 3025 (Part 48) : 2019	mg./l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37) : 2019	mg./l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52) : 2017	mg./l	<0.02	N.A.	N.A.
21. Silica	APHA 23rd Ed., 4500 SiO ₂ -C/F : 2017	mg./l	2.60	N.A.	N.A.

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

b) N.A. means Not Available.

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

d) Result relates only to the sample tested.

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

Reviewed By :

DURBADAL CHAKRAVORTY
Dy. Quality Manager

Authorised Signatory :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chem



ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB
 Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO.- NABET/EIA/2326/IA 0117)
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 08.06.2024
		Period of Analysis	: 10.06.2024 - 11.06.2024
		Date of Issue	: 17.06.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Location	: Tap of Quality Control Lab	Sample Condition	: Sealed
		ULR No.	: TC601424000000499P
		Type of Sample	: Drinking Water

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

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

b) CFU indicates Colony Forming Unit.

c) Result relates only to the sample tested.

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

Reviewed By :

ARBADAL CHANDRARTY
 Dy. Quality Manager

Authorised Signatory :

PRIYANKA MUKHERJEE
 Technical Manager, Microbiology



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 23.07.2024	Report No: ICIL/IL/PTC-487/2024	Format No: ICIL/FM/IL/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-487
Address	Dewanmura, Ayma, P.O.-Hariatara, P.S.-Khamrupur, Paschim Medinipur, PIN - 721304	Sampling Date : 16.07.2024
#Customer Representative Name & Contact Number	Deputy Quality Manager	Sampling Time : 10:30 AM
#Work Order No.	KHG/POB/0050/24-25, Dtd: 10.04.2024	Analysis Start Date : 20.07.2024
#Sample Description	STACK AIR	Analysis complete Date : 22.07.2024
#Location	EDGE RUNNER MILL BOD & SLURRY MIXING	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant	EDGE RUNNER MILL BOD & SLURRY MIXING	Shape of Stack	Circular
Stack attached to	Process Activity	Material of Construction	G.I
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)	34	Steam Generation Capacity:	
Barometric Pressure (mm Hg)	750	a) Rated	-
Velocity of Gas flow (m/s)	9.06	b) Running	-
Quantity of Gas flow (Nm³/hr)	2209.76	Load:	
Pressure	-	a) Rated	-
		b) Running	1 TPH

C.] RESULT OF SAMPLING:

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: P. Das

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-298 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 4

Reviewed By: QM/ITM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 23.07.2024	Report No: ICI/HIL/A/PTC-488/2024	Format No: ICI/FM/H/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-488
Address	Dewanmari, Ayra, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 16.07.2024
#Customer Representative Name & Contact Number	Deputy Quality Manager	Sampling Time : 11:35 AM
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	Analysis Start Date : 20.07.2024
#Sample Description	STACK AIR	Analysis complete Date : 22.07.2024
#Location	CEMENT & FLY ASH FEEDING SECTION	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] # GENERAL INFORMATION ABOUT STACK:

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

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 33	Steam Generation Capacity:	
Barometric Pressure (mm Hg)	: 750	a) Rated	: -
Velocity of Gas flow (m/s)	: 8.51	b) Running	: -
Quantity of Gas flow (Nm³/hr)	: 3701.89	Load	
Pressure	: -	a) Rated	: -
		b) Running	: 10 TPH

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	25.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	Carbon mono oxide (as CO₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: P. Das

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-297 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 2 of 4

Reviewed By: QM/ITM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 23.07.2024	Report No: ICI/HL/A/PTC-489/2024	Format No: ICI/FM/IL/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-489
Address	Dewanmari, Ayini, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 16.07.2024
#Customer Representative Name & Contact Number	Deputy Quality Manager	Sampling Time : 03:30 PM
#Work Order No.	KHO/POR/0050/24-25, Dtd: 10.04.2024	Analysis Start Date : 20.07.2024
#Sample Description	STACK AIR	Analysis complete Date : 22.07.2024
#Location	PULVERIZER SECTION	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	Circular
Stack attached to	PULVERIZER SECTION	Material of Construction	G.I
Emission due to	Process Activity	Stack ID at sampling point (M)	0.26
Fuel Used	-	At Bottom (M)	-
Rated Fuel Consumption	-	At Top (M)	-
Working Fuel Consumption	-	Height Details :	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	15.00
Sulphur Content (% by 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)	34	Steam Generation Capacity:	
Barometric Pressure (mm Hg)	750	a) Rated	-
Velocity of Gas flow (m/s)	9.05	b) Running	-
Quantity of Gas flow (Nm ³ /hr)	1657.99	Load a) Rated	-
Pressure	-	b) Running	1 TPH

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm ³)	22.0	IS 13255 (Part -I): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-	
03	Carbon mono oxide (as CO)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
04	Carbon di oxide (as CO ₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: T. Bas

Checked By: N. Pranshu

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager

INDICATIVE CONSULTANT INDIA

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

- Note:
- * Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as: NA
 - Test results shown in this test report relate only to the sample (s) only.
 - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 - The reproduction of the report except in full is invalid without written approval of the laboratory.
 - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 - Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-296 from the date of issue unless otherwise specified.
 - Location of Testing: Haldia Laboratory

End of Report

Page 3 of 4

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 23.07.2024	Report No: ICI/HL/A/PTC-490/2024	Format No: ICI/FM/1/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-490
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 16.07.2024
#Customer Representative Name & Contact Number	Deputy Quality Manager	Sampling Time : 01.00 PM
#Work Order No.	KHG/POR/0050/24-25, Dtd: 10.04.2024	Analysis Start Date : 20.07.2024
#Sample Description	STACK AIR	Analysis complete Date : 22.07.2024
#Location	D.G. SET (750 KVA)	
Sample Condition	In Glass Microfiber Thimble & Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III)	

A.) # GENERAL INFORMATION ABOUT STACK:

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

B.) PHYSICAL DATA:

Flue Gas Temperature (°C)	172	Steam Generation Capacity:	
Barometric Pressure(mm Hg)	750	a) Rated	-
Velocity of Gas flow (m/s)	13.93	b) Running	-
Quantity of Gas flow (Nm³/hr)	1022.38	Load:	
Pressure	-	a) Rated	750 KVA
		b) Running	750 KVA

C.) RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	64.0	IS 11255 (Part -1): 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	Sulphur di-oxide (mg/ Nm³)	100.89	IS 11255 (Part -2): 1985 (RA 2019)
04.	Oxides of Nitrogen (as NOx)-(mg/m³)	133.02	IS 11255 (Part -7): 2005 (RA 2017)
05.	Carbon mono oxide (as CO)- % (V/V)	<0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO₂)-% (V/V)	6.4	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: P. Das

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-295 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

Page 4 of 4

End of Report

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 25.07.2024	Report No: ICI/HL/A/RN-503/2024	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/AC-503
Address	Dewanmoro, Ayra, P.O.-Haratara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 16.07.2024 to 17.07.2024
#Customer Representative Name & Contact Number	Deputy Quality Manager	Analysis Start Date : 20.07.2024
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	Analysis complete Date : 24.07.2024
#Sample Description	AMBIENT AIR	
#Location	BACK SIDE OF THE PLANT	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol - I)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:15 AM to 06:15 PM	06:30 PM to 02:30 AM	02:45 AM to 10:45 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	74.26	79.57	70.57	74.80	IS 5182 (Part - 23):2006 (RA 2022)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	25.94	28.43	24.69	26.35	IS 5182 (Part - 24):2019
3	Sulphur Dioxide (SO ₂)	µg / m ³	15.20	19.26	15.20	16.55	IS 5182 (Part - 2):2001 (RA 2022)
4	Oxides of Nitrogen (NO _x)	µg / m ³	38.50	43.75	39.38	40.54	IS 5182 (Part - 6):2006 (RA 2022)
5	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/36/2012-13 Atomic AAS Method
6	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7	Ammonia (N ₂ H ₄)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1998 Method No. 408
8	Ozone (O ₃)	µg / m ³	40.7	-	-	40.7	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/36/2012-13 (Chemical Method)
9	Carbon Monoxide (CO)	mg / m ³	0.3071	0.3558	0.4066	0.3565	Non-Dispersive Infrared Spectrometry Method
10	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13	Ambient Temperature (Average)	°C	32.0	29.0	28.0	30.0	Hygrometer

BLQ= Below Limit of Quantification

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

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

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Estimated Uncertainty: Not Required

Note:

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

End of Report

Page 1 of 1

Reviewed By: QM/TW



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 25.07.2024	Report No: ICI/IL/A/RN-504/2024	Format No: ICI/FM/IL/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmari, Ayma, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Deputy Quality Manager	Analysis Start Date
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	Analysis complete Date
#Sample Description	AMBIENT AIR	
#Location	NEAR STOCK YARD	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol - 1)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			09:45 AM to 05:45 PM	06:00 PM to 02:00 AM	02:15 AM to 10:15 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	81.46	84.08	76.23	29.67	IS 5182 (Part - 23) 2006 (RA 2022)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	32.09	33.69	26.89	26.35	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	18.24	21.28	17.23	16.55	IS 5182 (Part - 2) 2001 (RA 2022)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	40.25	44.63	39.38	29.67	IS 5182 (Part - 6) 2006 (RA 2022)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol. 1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1984 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	0.3079	0.3661	0.4084	0.3608	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	32.0	29.0	28.0	30.0	Hygrometer

BLQ- Below Limit of Quantification

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

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

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Gohui
(Quality Manager)
Signatory Authority

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

Estimated Uncertainty: Not Required

Note:

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

Parbati Gohui
Quality Manager
INDICATIVE

End of Report

Page 1 of 1

Reviewed By: QMITM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 25.07.2024	Report No: ICI/HL/A/RN-505/2024	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmura, Ayra, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Deputy Quality Manager	Analysis Start Date
#Work Order No.	KHG/POR/0050/24-25, Dtd -10.04.2024	Analysis complete Date
#Sample Description	AMBIENT AIR	
#Location	NEAR SCRAP YARD	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol - 1)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:00 AM to 06:00 PM	06:15 PM to 02:15 AM	02:30 AM to 10:30 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	78.36	84.07	75.67	79.37	IS 5182 (Part - 23):2006 (RA 2022)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	28.05	32.51	25.86	28.81	IS 5182 (Part - 24):2019
3	Sulphur Dioxide (SO ₂)	µg / m ³	15.20	20.27	17.23	17.57	IS 5182 (Part - 2):2001 (RA 2022)
4	Oxides of Nitrogen (NO _x)	µg / m ³	40.25	43.75	39.38	41.13	IS 5182 (Part - 6):2006 (RA 2022)
5	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/38/2012-13 Atomic AAS Method
6	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8	Ozone (O ₃)	µg / m ³	40.6	-	-	40.6	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9	Carbon Monoxide (CO)	mg / m ³	0.3042	0.3489	0.4077	0.3536	Non-Dispersive Infrared Spectrometry Method
10	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13	Ambient Temperature (Average)	°C	32.0	29.0	28.0	30.0	Hygrometer

BLQ= Below Limit of Quantification

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

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

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Estimated Uncertainty: Not Required

Note:

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

End of Report

Page 1 of 1

Reviewed By: QM/ITM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 25.07.2024	Report No: ICI/HL/A/RN-506/2024	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/AC-506
Address	Dewanmari, Ayma, P.O.-Hariatara, P.S.-Khangpur, Paschim Medinipur, PIN - 721304	Sampling Date : 16.07.2024 to 17.07.2024
#Customer Representative Name & Contact Number	Deputy Quality Manager	Analysis Start Date : 20.07.2024
#Work Order No.	KHG/POR/0050/24-25, Dtd: 10.04.2024	Analysis complete Date : 24.07.2024
#Sample Description	AMBIENT AIR	
#Location	NEAR MAIN GATE	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - I)	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			09:30 AM to 05:30 PM	05:45 PM to 01:45 AM	02:00 AM to 10:00 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	84.26	89.31	78.37	83.98	IS 5182 (Part - 23):2006 (RA 2022)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	33.37	35.58	28.36	32.44	IS 5182 (Part - 24):2019
3	Sulphur Dioxide (SO ₂)	µg / m ³	19.26	22.30	16.22	19.26	IS 5182 (Part - 2): 2001 (RA 2022)
4	Oxides of Nitrogen (NO _x)	µg / m ³	43.75	47.25	42.00	44.33	IS 5182 (Part - 6):2006 (RA 2022)
5	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/06/2012-13 Atomic AAS Method
6	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7	Ammonia (N;H ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8	Ozone (O ₃)	µg / m ³	42.6	-	-	42.6	Guidelines for Measurement of ambient air pollutant (Vol. I) NAAQMS/06/2012-13 (Chemical Method)
9	Carbon Monoxide (CO)	mg / m ³	0.3178	0.3696	0.4091	0.3655	Non-Dispersive Infrared Spectrometry Method
10	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13	Ambient Temperature (Average)	°C	32.0	30.0	28.0	30.0	Hygrometer

BLQ= Below Limit of Quantification
Limit: (µg / m³) Ambient Air Quality standard (National)
PM₁₀= 100 µg/m³, PM_{2.5}=60 µg/m³, SO₂=80 µg/m³, NO_x=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis, Carbon mono oxide=2 mg/m³, O₃=100µg/m³ 8hours basis, Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=20ng/m³, Annual basis. For Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area
Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi. Notification dated 18th November 2009

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mundal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

- Note:
1. All 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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

End of Report

Page 1 of 1

Reviewed by: [Signature]



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 29.07.2024	: Report No: ICI/HL/W/RN-916/2024	Format No: ICI/FM/H/67
Customer Name	: M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/W-916
Address	: Dewanmuro, Ayana, P.O.-Haridattara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 16.07.2024
#Customer Representative Name & Contact Number	: Deputy Quality Manager	Sampling Time : 11:05 AM
		Analysis Start Date : 18.07.2024
		Analysis complete Date : 27.07.2024
#Work Order No.	: KHG/POR/0050/24-25, Dtd. 10.04.2024	
#Sample Description	: DRINKING WATER	
Sample Condition	: In Plastic Bottle & Glass Bottle	
Sampling Method	: IS:3025 (Part I): 1987 (RA 2019), APHA 24 th Edition, 2023	
# Location	: INSIDE OF THE PLANT	
Material Specification	: IS 10500: 2012 (RA 2018)	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012 (RA 2018)		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):2018 APHA 24 th Edition 2150 B
2.	pH (at 26°C)	-	6.52	6.5 to 8.5	No Relaxation	IS:3025(Part-11):2022 APHA 24 th Edition 4500-H ⁺ B
3.	Colour	Hazen Unit	<5.0	5	15	IS:3025(Part-4): 2021
4.	Conductivity	µS/cm	122.6	-	-	IS:3025(Part-14):2013:RA 2019 APHA 24 th Edition 2510 B
5.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10):2023 APHA 24 th Edition 2130 B
6.	Total Dissolved Solid (TDS)	mg/L	96.0	500 (Max)	2000 (Max)	IS:3025(Part-16):2023 APHA 24 th Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
7.	Total Hardness (as CaCO ₃)	mg/L	43.4	200 (Max)	600 (Max)	IS:3025(Part-21):2009: RA 2019 APHA 24 th Edition 2340 C
8.	Ca Hardness (as CaCO ₃)	mg/L	28.9	-	-	APHA 24 th Edition 2340 C
9.	Mg Hardness (as CaCO ₃)	mg/L	14.5	-	-	APHA 24 th Edition 2340 C
10.	Calcium (as Ca)	mg/L	11.6	75 (Max)	200 (Max)	IS:3025(Part-40):Amd 1: 2014 APHA 24 th Edition 3500Ca B
11.	Magnesium (as Mg)	mg/L	3.5	30 (Max)	100 (Max)	IS:3025(Part-46):2023 APHA 24 th Edition 3500Mg B
12.	Chloride (as Cl)	mg/L	16.6	250 (Max)	1000 (Max)	IS:3025(Part-32):1988: RA 2019 APHA 24 th Edition 4500Cl B
13.	Total Alkalinity (as CaCO ₃)	mg/L	39.0	200 (Max)	600 (Max)	IS:3025(Part-23):2023 APHA 24 th Edition 2320 B
14.	P-Alkalinity (as CaCO ₃)	mg/L	NH	-	-	APHA 24 th Edition 2320B
15.	M-Alkalinity (as CaCO ₃)	mg/L	39.0	-	-	APHA 24 th Edition 2320B
16.	Iron (as Fe)	mg/L	0.16	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003: RA 2019 APHA 24 th Edition 3500-Fe B
17.	Phosphate (as P)	mg/L	<0.02	-	-	APHA 24 th Edition 4500P D
18.	Fluoride (as F)	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008: RA 2019 APHA 24 th Edition 4500 FD

Page: 1 of 2

Parbati Ghosh
Quality Manager
INDICATIVE CONSULTANT INDIA



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 29.07.2024	Report No: ICI/HL/W/RN-916/2024	Format No: ICI/FM/H/67
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmuro, Ayma, P.O.-Haristara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date
#Customer Representative Name & Contact Number	Deputy Quality Manager	Sampling Time
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	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 24 th Edition, 2023	
# Location	INSIDE OF THE PLANT	
Material Specification	IS 10500: 2012 (RA 2018)	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012 (RA 2018)		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
19.	Appearance	-	Clear	-	-	Visual
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
20.	Sulfate (as SO ₄)	mg/L	10.5	200 (Max)	400 (Max)	IS:3025(Part-24) Sec 1) 2022 APHA 24 th Edition 4500 SO ₄ 2 nd E
21.	Silica (as SiO ₂)	mg/L	1.6	-	-	IS 3025(Part-35):1988, RA 2023 APHA 24 th Edition 4500 SiO ₂ C
22.	Manganese (as Mn)	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 24 th Edition 3111 B
PARAMETERS CONCERNING TOXIC SUBSTANCES						
23.	Arsenic (as As)	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 24 th Edition 3500 As B
BACTERIOLOGICAL PARAMETERS						
24.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
25.	E. Coli	CFU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ= 1.8 MPN/100 ml)						
Remarks:						
1) Chemical test Parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012 (RA 2018)						
2) Bacteriological test parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012 (2018)						

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbari Golui
(Quality Manager)
Signatory Authority

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

Parbari Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

End of Report

Page 2 of 2

Reviewed By: UM/TM



TEST REPORT

Date: 23.07.2024	Report No: ICI/HL/N/TC-136/2024	Format No: ICI/FM/H/68
Customer Name	M/s. RAMCO INDUSTRIES LTD.	
Address	Dewanmari, Ayra, P.O.-Hariata, P.S.-Kharagpur, Paschim Medinipur	
#Customer Representative Name & Contact No.	Deputy Quality Manager	
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	
#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

#Noise Source/ Location: NEAR MAIN GATE						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-678	16.07.2024	10:15 AM	60.31	61.6	58.3	As per note

#Noise Source/ Location: NEAR STOCK YARD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-679	16.07.2024	11:10 AM	61.42	62.8	59.5	As per note

#Noise Source/ Location: BACK SIDE OF THE PLANT						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-680	16.07.2024	11:30 AM	59.68	61.2	58.3	As per note

#Noise Source/ Location: NEW SCRAP YARD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-681	16.07.2024	11:50 AM	59.88	61.3	58.3	As per note

*Note:

NOISE STANDARD

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

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Prumanik

Parbati Goli
(Quality Manager)
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's site in presence of customer's representative
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
8. The reproduction of the report except in full is invalid without written approval of the laboratory
9. Location of Testing: Plant Site & Report was generated from Haldia Laboratory

Page 1 of 1

End of Report

Reviewed By: OM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 23.07.2024	Report No: ICI/HL/NTC-137/2024	Format No: ICI/FM/IE/68
Customer Name	M/s. RAMCO INDUSTRIES LTD.	
Address	Dewanmari, Ayma, P.O.-Haristara, P.S.-Kharagpur, Paschim Medinipur	
#Customer Representative Name & Contact No.	Deputy Quality Manager	
#Work Order No.	KHG/POR/0050/24-25, Dtd 10.04.2024	
#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)
Distance of Source	± 3.0 M	Difference (dt)
		± 18 Min
		± 2 Min

#Noise Source/ Location: NEAR BOD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-682	16.07.2024	01:30 PM	75.81	77.1	73.2	As per note

#Noise Source/ Location: NEAR SF DRUM						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-683	16.07.2024	01:55 PM	77.46	78.9	75.4	As per note

#Noise Source/ Location: NEAR CORRUGATION BOX						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-684	16.07.2024	02:20 PM	78.94	80.4	76.9	As per note

#Noise Source/ Location: STRIPPING SECTION						DAY TIME
Sample ID	Sampling Date	Sampling Time	Results dB(A)			Limit* dB(A)
			Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	
2024/N-685	16.07.2024	02:50 PM	77.96	79.5	76.2	As per note

*Note:

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mridul

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Page 1 of 1

End of Report

Reviewed By: M. M. M.



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/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	: 09.08.2024
		Period of Analysis	: 10.08.2024 - 12.08.2024
		Date of Issue	: 14.08.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/18/Aug./A/I
		Report No.	: ENV/18/Aug./TR(A)/I/24-25
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	$^{\circ}\text{C}$	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)	10.37	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS: 11255 (Part III)	4559.10	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	32.50	150.0

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

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Scientist





ENVIROCHECK

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



TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewannare Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 09.08.2024
		Period of Analysis	: 10.08.2024 - 12.08.2024
		Date of Issue	: 14.08.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/18/Aug./A/II
		Report No.	: ENV/18/Aug./TR(A)/II/24-25
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part I)	: 32.0	N.A.
2.	Barometric Pressure	mm of Hg.	"	: 754.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 13.28	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 3218.86	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 [reapproved 2005] : Sec. 11 [Vol.11.07] : 2017	: 1.74	2.0

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

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Scientist





ENVIROCHECK

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



TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 09.08.2024
		Period of Analysis	: 10.08.2024 - 12.08.2024
		Date of Issue	: 14.08.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/18/Aug./A/III
		Report No.	: ENV/18/Aug./TR(A)/III/24-25
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 42.0	N.A.
2.	Barometric Pressure	mm of Hg.	IS : 11255 (Part 3)	: 754.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part III)	: 13.96	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 2385.77	N.A.
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 1.87	2.0

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

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Scientist





ENVIROCHECK

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



TEST REPORT

FORMAT NO: ENV/FM/30

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	: 09.08.2024
		Period of Analysis	: 10.08.2024 - 12.08.2024
		Date of Issue	: 14.08.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/18/Aug./A/IV
		Report No.	: ENV/18/Aug./TR(A)/IV/24-25
		Type of Sample	: Stack Emission

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 201.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 754.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 16.23	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 908.15	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) : 2019	: 40.63	N.A.
6.	Concentration of CO ₂	% (v/v)	IS 13270 : 2019	: 7.8	N.A.
7.	Concentration of CO	% (v/v)	IS 13270 : 2019	: <1.0	1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) : 2019 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol.11.07) : 2017	: 34.75	150.0

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

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Scientist





ENVIROCHECK

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



TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	:	Ramco Industries Ltd.	Type of Industry	:	Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	:	Vill. - Dewanmari Aynia, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	:	09.08.2024 - 10.08.2024
			Period of Analysis	:	10.08.2024 - 12.08.2024
			Date of Issue	:	14.08.2024
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
Sample Condition	:	Sealed	Sample ID No.	:	ENV/18/Aug./A/IV
			Report No.	:	ENV/18/Aug./TR(A)/IV/24-25

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 88.0
- Barometric Pressure (mm of Hg) : 754.0
- Smell or Odour : No Remarkable Smell
- Weather Condition : Mostly Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	42.93	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	76.48	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	7.28	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	26.55	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.28	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 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 16th November, 2009.
: Result relates only to the sample tested.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Scientist





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/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmuro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 09.08.2024 - 10.08.2024
		Period of Analysis	: 10.08.2024 - 12.08.2024
		Date of Issue	: 14.08.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/18/Aug./A/V
		Report No.	: ENV/18/Aug./TR(A)/V/24-25

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 88.0
- Barometric Pressure (mm of Hg) : 754.0
- 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	IS 5182 (Part 24) : 2019	51.62	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	74.48	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	8.56	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 ; Sec. 11 (Vol. 11.07) : 2018	26.47	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.32	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23 rd Ed 3114C : 2017	<0.01	6.0

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

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Scientist





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/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	:	09.08.2024 - 10.08.2024
			Period of Analysis	:	10.08.2024 - 12.08.2024
			Date of Issue	:	14.08.2024
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
Sample Condition	:	Sealed	Sample ID No.	:	ENV/18/Aug./A/VI
			Report No.	:	ENV/18/Aug./TR(A)/VI/24-25

A) GENERAL INFORMATION

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

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 30.0
2. Average Relative Humidity (%) : 88.0
- Barometric Pressure (mm of Hg) : 754.0
- Smell or Odour : No Remarkable Smell
- Weather Condition : Mostly Cloudy

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	50.89	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	84.18	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	8.56	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	29.92	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.30	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23 rd Ed 3114C : 2017	<0.01	6.0

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

: Result relates only to the sample tested.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Scientist





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/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	: 09.08.2024 - 10.08.2024
		Period of Analysis	: 10.08.2024 - 12.08.2024
		Date of Issue	: 14.08.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample Condition	: Sealed	Sample ID No.	: ENV/18/Aug/A/VII
		Report No.	: ENV/18/Aug/TR(A)/VII/24-25

A) GENERAL INFORMATION

1. Location of Sampling : Back Side of the Plant
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 (%) : 88.0
- Barometric Pressure (mm of Hg) : 754.0
- Smell or Odour : No Remarkable Smell
- Weather Condition : Mostly Cloudy

C) RESULTS

Sl. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	IS 5182 (Part 24) : 2019	39.15	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2019	71.07	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2017 & ASTM D 2914-01, Sec. 11 (Vol. 11.07) : 2017	6.20	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2017 & ASTM D 1607-91 : Sec. 11 (Vol. 11.07) : 2018	23.47	80.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10) : 2019	0.23	2.0
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) : 2019	<0.01	1.0
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2019 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021/ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.36	1.0
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2017 & ASTM D 6209-98, Sec. 11 (Vol. 11.07) : 2021	<0.74	5.0
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-9) : 2019	<10.0	100.0
10.	Ammonia (NH ₃)	µg/m ³	IS 5182 (Part 25) : 2018	<4.18	400.0
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02	20.0
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999 & APHA 23rd Ed 3114C : 2017	<0.01	6.0

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

Reviewed By :

DURBADAI CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

Dr. SUMIT CHOWDHURY
Scientist

<End of Report>





ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO.- NABET/EIA/2326/IA 0117)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 09.08.2024
		Period of Analysis	: 10.08.2024 - 16.08.2024
		Date of Issue	: 17.08.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Location	: Tap of Guest House	Sample Condition	: Sealed
		ULR No.	: TC601424000000719P
		Type of Sample	: Drinking Water

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4): 2021	Hazen	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5): 2018	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11): 2022	--	7.10	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 4): 2021	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10): 2017	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16): 2017	mg./l	110.0	500.0	2000.0
7. Aluminium	IS 15302: 2018	mg./l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40): 2019	mg./l	13.62	75.0	200.0
9. Chloride	IS 3025 (Part 32): 2019	mg./l	17.99	250.0	1000.0
10. Iron	IS 3025 (Part 53): 2019	mg./l	0.12	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46): 2019	mg./l	3.36	30.0	100.0
12. Manganese	IS 3025 (Part 59): 2017	mg./l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34): 2019	mg./l	1.40	45.0	No Relaxation
14. Sulfate	IS 3025 (Part 24) Sec. 1: 2022	mg./l	18.50	200.0	400.0
15. Total Alkalinity	IS 3025 (Part 23): 2019	mg./l	48.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2019	mg./l	48.0	200.0	600.0
17. Zinc	IS 3025 (Part 49): 2019	mg./l	0.20	5.0	15.0
18. Mercury	IS 3025 (Part 48): 2019	mg./l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37): 2019	mg./l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52): 2017	mg./l	<0.02	N.A.	N.A.
21. Silica	APHA 23rd Ed., 4500 SiO ₂ -C/F: 2017	mg./l	1.70	N.A.	N.A.

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

b) N.A. means Not Available.

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

d) Result relates only to the sample tested.

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

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorised Signatory:

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical



ENVIROCHECK

Recognised by MoEF & CC, WPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO - NABET/EIA/2326/IA 0117)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TC-6014

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	: 09.08.2024
		Period of Analysis	: 10.08.2024 - 12.08.2024
		Date of Issue	: 17.08.2024
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Guest House	Sample Condition	: Sealed
		ILR No.	: TC601424000000719P

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

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

b) CFU indicates Colony Forming Unit.

c) Result relates only to the sample tested.

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

Reviewed By :

DEBAJIT CHAKRABORTY
Dy. Quality Manager

Authorised Signatory :

PRIYANKA MUKHERJEE
Technical Manager, Microbiology

<End of Report>



ENVIROCHECK

Recognised by MoEF & CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017) & NABET (CERTIFICATE NO.- NABET/EIA/2326/IA 0117)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/53

TEST REPORT

Name of Industry / Company / Factory / Office	: Ramco Industries Limited
Address	: Village - Dewanmuro Aymo, P.O. - Hariatara, P.S. - Kharagpur, District - Pachim Medinipur, Pin- 721301.
Type of Industry	: Asbestos Cement Corrugated & Accessories Manufacturing Unit
Sampling Plan & Procedure	: ENV/SOP/02
Deviation from the Sampling Method & Plan	: No
Type of Sample	: Noise Level Study
Sample ID	: ENV/02/Avg/N
Date of Study	: 09/08/2024
Method No.	: IS 15575 (Part 2), 2022
Sample Monitored by	: Mr. Sambhu Kunda
Report ID	: ENV/02/Avg/(TR)N/24-25
Reporting Date	: 12/08/2024
Time of Duration of Noise	: 20 Minutes
Height from Ground Level	: 4 Feet.

RESULT OF NOISE LEVEL STUDY

Sl. No.	Location Name	dB (A) - (Noise Data)										Time (Hours)	Min dB (A)	Max dB (A)	L _{eq} dB (A)	Limit in LeqdB(A)
1.	Near Main Gate	53.8	56.7	55.9	52.6	51.4	53.9	57.3	55.3	56.6	53.4	9:00 - 9:20 A.M (Day Time)	51.4	57.3	55.11	A. Industrial Area (Day Time - 75.0) (Night Time - 70.0)
2.	Near Main Gate	48.7	46.7	41.6	47.3	48.4	47.4	49.7	48.1	46.3	41.9	10:00 - 10:20 P.M (Night Time)	40.6	49.7	47.41	
3.	Near Stock Yard	62.8	63.7	62.9	60.4	59.7	63.8	64.8	64.7	62.8	61.7	9:30 - 9:50 A.M (Day Time)	59.7	64.8	62.01	B. Commercial Area (Day Time - 65.0) (Night Time - 55.0)
4.	Near Stock Yard	54.7	52.3	51.8	51.5	55.4	56.2	54.3	53.7	52.8	55.9	10:30 - 10:50 P.M (Night Time)	51.5	55.2	54.35	
5.	Near Scrap Yard	63.7	65.8	63.5	62.8	64.7	65.8	65.7	65.7	64.1	63.0	10:00 - 10:20 A.M (Day Time)	62.8	65.7	64.77	C. Residential Area (Day Time - 55.0) (Night Time - 45.0)
6.	Near Scrap Yard	50.2	51.5	52.7	50.1	48.4	48.2	51.7	52.8	53.2	51.9	11:00 - 11:20 P.M (Night Time)	48.4	53.2	51.43	
7.	Back Side of the Plant	63.8	64.7	65.6	63.4	62.5	65.9	66.4	67.9	64.7	65.1	10:30 - 10:50 A.M (Day Time)	62.5	67.9	65.23	
8.	Back Side of the Plant	55.8	55.7	57.8	54.5	58.9	60.8	59.4	57.5	56.4	55.2	11:30 - 11:50 P.M (Night Time)	54.5	60.8	57.72	D. Silent Zone (Day Time - 50.0) (Night Time - 40.0)

> End of Report <

** Mean of L _{eq} - Equivalent to Sound Energy		** Central Pollution Control Board, Ministry of Environment & Forests Government of India & Department of Environment, Government of West Bengal	
		** Day Time is reckoned in between 6:00 A.M & 10:00 P.M	** Night Time is reckoned in between 10:00 P.M & 6:00 A.M
PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS / Source : The Noise Pollution (Regulation and Control) Rules, 2000			
Hours	Limit in dB(A)		
8	90		
6	93		
4	96		
3	99		
2	102		
1 1/2	105		
1 1/4	108		
1 1/3	111		
1 1/6	114		
1 1/12	-		
(2 minutes or less)	-		

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Authorized Signatory:

Dr. AJJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
Laboratory : 185, 189, 190, 192, & 51, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
Overseas : UAE ■ Qatar ■ Netherlands



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 12.09.2024	Report No: ICI/IL/A/PTC-659/2024	Format No: ICI/FM/IE/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-659
Address	Dewanmari, Ayma, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 07.09.2024
#Customer Representative Name & Contact Number	Deputy Quality Manager	Sampling Time : 10.30 AM
#Work Order No.	KHG/POR/0030/24-25, Dtd. 10.04.2024	Analysis Start Date : 10.09.2024
#Sample Description	STACK AIR	Analysis complete Date : 11.09.2024
#Location	CEMENT & FLY ASH FEEDING SECTION	
Sample Condition	In Glass Microfibre Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	
DISCIPLINE: CHEMICAL	PRODUCT GROUP: ATMOSPHERIC POLLUTION	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	: Circular
Stack attached to	CEMENT & FLY ASH FEEDING SECTION	Material of Construction	: G.I
Emission due to	Feeding of Raw Material	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)	: 33	Steam Generation Capacity:	
Barometric Pressure, (mm Hg)	: 754	a) Rated	: -
Velocity of Gas flow (m/s)	: 8.49	b) Running	: -
Quantity of Gas flow (Nm³/hr)	: 3712.88	Load: a) Rated	: -
Pressure	: -	b) Running	: 10 TPH

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	: 21.0	IS 11255 (Part-1) 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	: -	
03	Carbon mono oxide (as CO₂) % (V/V)	: <0.2	IS 13270:1992 (RA 2019)
04	Carbon di oxide (as CO₂) % (V/V)	: <0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: P. D. S.

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-377 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 2 of 4

Reviewed By: QM/ITM



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 12.09.2024	Report No: ICI/HLA/PTC-660/2024	Format No: ICI/FM/11/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmoro, Ayma, P.O.-Harinara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Deputy Quality Manager	Sampling Time
#Work Order No.	KHG/TOR/0050/24-25, Did. 10.04.2024	Analysis Start Date
#Sample Description	STACK AIR	Analysis complete Date
#Location	D.G. SET (380 KVA)	
Sample Condition	In Glass Microfiber Thimble & Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III)	

DISCIPLINE: CHEMICAL

PRODUCT GROUP: ATMOSPHERIC POLLUTION

A.] # GENERAL INFORMATION ABOUT STACK:

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

Whether Stack is provided with permanent Platform / Ladder: Yes

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	153	Steam Generation Capacity:	
Barometric Pressure(mm Hg)	754	a) Rated	-
Velocity of Gas flow (m/s)	13.60	b) Running	-
Quantity of Gas flow (Nm³/hr)	1050.47	Load:	
Pressure	-	a) Rated	380 KVA
		b) Running	380 KVA

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	46.0	
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	IS 11255 (Part -1): 1985 (RA 2019)
03.	Sulphur di-oxide (mg/Nm³)	72.07	IS 11255 (Part -2): 1985 (RA 2019)
04.	Oxides of Nitrogen (as NOx)-(mg/m³)	99.56	IS 11255 (Part -7): 2005 (RA 2017)
05.	Carbon monoxide (as CO)- % (V/V)	<0.2	IS 13270:1992 (RA 2019)
06.	Carbon di oxide (as CO₂)-% (V/V)	6.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: P. Das

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
- * Information provided by customer
 - Sample is drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as: N4
 - Test results shown in this test report relate only to the sample (s) only.
 - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 - The reproduction of the report except in full is invalid without written approval of the laboratory.
 - Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 - Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-378 from the date of issue unless otherwise specified.
 - Location of Testing: Haldia Laboratory

End of Report

Page 1 of 1

Reviewed By: QM/ITM



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 12.09.2024	Report No: ICI/IL/PTC-661/2024	Format No: ICI/FM/II/55
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/PA-661
Address	Dewanmari, Ayma, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 07.09.2024
#Customer Representative Name & Contact Number	Deputy Quality Manager	Sampling Time : 01:30 PM
#Work Order No.	KHG/POB/0030/24-25, Dtd: 10.04.2024	Analysis Start Date : 10.09.2024
#Sample Description	STACK AIR	Analysis complete Date : 11.09.2024
#Location	PULVERIZER SECTION	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	
DISCIPLINE: CHEMICAL	PRODUCT GROUP: ATMOSPHERIC POLLUTION	

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	Circular
Stack attached to	PULVERIZER SECTION	Material of Construction	G.I
Emission due to	Process Activity	Stack ID at sampling point (M)	0.26
Fuel Used	-	At Bottom (M)	-
Rated Fuel Consumption	-	At Top (M)	-
Working Fuel Consumption	-	Height Details:	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	15.00
Sulphur Content (% by 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)	33	Steam Generation Capacity:	
Barometric Pressure (mm Hg)	754	a) Rated	-
Velocity of Gas flow (m/s)	8.22	b) Running	-
Quantity of Gas flow (Nm³/hr)	1518.90	Load: a) Rated	-
Pressure	-	b) Running	1 TPH

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained	Test Method
01.	Particulate Matter (mg/Nm³)	24.0	IS 11255 (Part-1) 1985 (RA 2019)
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	-	
03.	Carbon mono oxide (as CO)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)
04.	Carbon di oxide (as CO₂)-% (V/V)	<0.2	IS 13270:1992 (RA 2019)

For, INDICATIVE CONSULTANT INDIA

Prepared By: P. Das

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 6. The reproduction of the report except in full is invalid without written approval of the Laboratory.
 7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-375 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

Page 3 of 4

End of Report

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 12.09.2024	Report No: IC/HL/A/PTC-662/2024	Format No: IC/TFM/ID/58
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmuro, Ayma, P.O.-Haristara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Deputy Quality Manager	Sampling Time
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	Analysis Start Date
#Sample Description	STACK AIR	Analysis complete Date
#Location	EDGE RUNNER MILL BOD & SLURRY MIXING	
Sample Condition	In Glass Microfiber Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	
DISCIPLINE: CHEMICAL		PRODUCT GROUP: ATMOSPHERIC POLLUTION

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	G.I
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)	31	Steam Generation Capacity:	
Barometric Pressure.(mm Hg)	754	a) Rated	-
Velocity of Gas flow (m/s)	8.21	b) Running	-
Quantity of Gas flow (Nm³/hr)	2032.79	Load: a) Rated	-
Pressure	-	b) Running	1 TPH

C.] RESULT OF SAMPLING:

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: P. Das

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
1. Information provided by customer
 2. Sample is drawn by M/s. Indicative Consultant India.
 3. Sample submitted and identified by customer as: NA
 4. Test results shown in this test report relate only to the sample (s) only.
 5. The test results referred in this 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-376 from the date of issue unless otherwise specified.
 9. Location of Testing: Haldia Laboratory

End of Report

Page 1 of 4

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 14.09.2024	Report No: ICI/II/A/RN-614/2024	Format No: ICI/FM/II/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanbaro, Ayma, P.O.-Harinara, P.S.-Khatangpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Deputy Quality Manager	Analysis Start Date
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	Analysis complete Date
#Sample Description	AMBIENT AIR	
#Location	BACK SIDE OF THE PLANT	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol - 1)	
DISCIPLINE: CHEMICAL		PRODUCT GROUP: ATMOSPHERIC POLLUTION

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:45 AM to 06:45 PM	07:00 PM to 03:00 AM	03:15 AM to 11:15 AM		
1	Respirable Particulate Matter (PM ₁₀)	µg / m ³	69.44	73.33	66.24	69.67	IS 5182 (Part - 23):2006 (RA 2022)
2	Respirable Particulate Matter (PM _{2.5})	µg / m ³	24.07	26.89	22.38	24.45	IS 5182 (Part - 24):2019
3	Sulphur Dioxide (SO ₂)	µg / m ³	16.22	17.23	14.19	15.88	IS 5182 (Part - 2):2001 (RA 2022)
4	Oxides of Nitrogen (NO _x)	µg / m ³	38.50	41.13	36.75	38.79	IS 5182 (Part - 6):2006 (RA 2022)
5	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol 1) NAAQMS/36/2012-13 Atomic AAS Method
6	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11):2006 (RA 2017)
7	Ammonia (N ₂ H ₄)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8	Ozone (O ₃)	µg / m ³	41.6	-	-	41.6	Guidelines for Measurement of ambient air pollutant (Vol. 1) NAAQMS/36/2012-13 (Chemical Method)
9	Carbon Monoxide (CO)	mg / m ³	0.3011	0.3604	0.4188	0.3601	Non-Dispersive Infrared Spectrometry Method
10	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12):2004 (RA 2019)
11	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13	Ambient Temperature (Average)	°C	32.0	29.0	29.0	30.0	Hygrometer

BLQ= Below Limit of Quantification

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

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

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Note:

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

Reviewed By: QM/ITM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 14.09.2024	Report No: ICI/HL/A/RN-615/2024	Format No: ICI/FM/II/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No
Address	Dewanmari, Ayma, P.O.-Hariatani, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date
#Customer Representative Name & Contact Number	Deputy Quality Manager	Analysis Start Date
#Work Order No.	KHG/POR/0050/24-25, Dtd: 10.04.2024	Analysis complete Date
#Sample Description	AMBIENT AIR	
#Location	NEAR STOCK YARD	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	
DISCIPLINE: CHEMICAL	PRODUCT GROUP: ATMOSPHERIC POLLUTION	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:30 AM to 06:30 PM	06:45 PM to 02:45 AM	03:00 AM to 11:00 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	74.22	79.46	71.24	74.97	IS 5182 (Part - 23) 2006 (RA 2022)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	26.01	28.50	24.36	26.29	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	17.23	19.26	15.20	17.23	IS 5182 (Part - 2) 2001 (RA 2022)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	38.50	43.75	37.63	39.96	IS 5182 (Part - 6) 2006 (RA 2022)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol. 1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (N.H ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	42.7	-	-	42.7	Guidelines for Measurement of ambient air pollutant (Vol. 1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.3138	0.3713	0.4169	0.3673	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	32.0	29.0	29.0	30.0	Hygrometer

BLQ= Below Limit of Quantification

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

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

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Goldi
(Quality Manager)
Signatory Authority

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

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

Parbati Goldi
Quality Manager
INDICATIVE CONSULTANT INDIA

End of Report

Page 1 of 1

Reviewed By: QM/ITM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 14.09.2024	: Report No: ICI/HL/A/RN-616/2024	Format No: ICI/FM/IL/61	
Customer Name	: M/s. RAMCO INDUSTRIES LTD.	Sample ID No	: 2024/AC-616
Address	: Dewanmuro, Ayana, P.O.-Haritara, P S -Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date	: 07.09.2024 to 08.09.2024
#Customer Representative Name & Contact Number	: Deputy Quality Manager	Analysis Start Date	: 10.09.2024
#Work Order No.	: KHG/POR/0050/24-25, Dtd: 10.04.2024	Analysis complete Date	: 13.09.2024
#Sample Description	: AMBIENT AIR		
#Location	: NEAR SCRAP YARD		
Sample Condition	: In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle		
Sampling Method	: CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. – I)		
DISCIPLINE: CHEMICAL		PRODUCT GROUP: ATMOSPHERIC POLLUTION	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:15 AM to 06:15 PM	06:30 PM to 02:30 AM	02:45 AM to 10:45 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	70.31	77.54	68.22	72.02	IS 5182 (Part - 23) 2006 (RA 2022)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	25.38	27.68	22.59	25.22	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	16.22	18.24	15.20	16.55	IS 5182 (Part - 2) 2001 (RA 2022)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	39.38	42.00	37.63	39.67	IS 5182 (Part - 6) 2006 (RA 2022)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	41.9	-	-	41.9	Guidelines for Measurement of ambient air pollutant (Vol.1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.3096	0.3527	0.4182	0.3602	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	32.0	29.0	29.0	30.0	Hygrometer

BLQ- Below Limit of Quantification

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

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

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golder
(Quality Manager)
Signatory Authority

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

Estimated Uncertainty: Not Required

Note:

1. # Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India.
3. Sample submitted and identified by customer as: NA
4. Test results shown in this test report relate only to the sample (s) only.
5. The test results referred in this 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

Parbati Golder
Quality Manager
INDICATIVE CONSULTANT INDIA

End of Report

Page 1 of 1

Reviewed By: QM/ITM



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 14.09.2024	Report No: ICI/HLA/RN-617/2024	Format No: ICI/FM/H/61
Customer Name	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/AC-617
Address	Dewanmari, Ayma, P.O.-Haritara, P.S.-Kharagpur, Paschim Medinipur, PIN - 721304	Sampling Date : 07.09.2024 to 08.09.2024
#Customer Representative Name & Contact Number	Deputy Quality Manager	Analysis Start Date : 10.09.2024
#Work Order No.	KHG/PUR/0050/24-25, Dtd 10.04.2024	Analysis complete Date : 13.09.2024
#Sample Description	AMBIENT AIR	
#Location	NEAR MAIN GATE	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle, Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	
DISCIPLINE: CHEMICAL	PRODUCT GROUP: ATMOSPHERIC POLLUTION	

Sl. No.	Parameters	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:00 AM to 06:00 PM	06:15 PM to 02:15 AM	02:30 AM to 10:30 AM		
1.	Respirable Particulate Matter (PM ₁₀)	µg / m ³	79.26	83.15	74.55	78.99	IS 5182 (Part - 23) 2006 (RA 2022)
2.	Respirable Particulate Matter (PM _{2.5})	µg / m ³	30.46	33.69	26.68	30.28	IS 5182 (Part - 24) 2019
3.	Sulphur Dioxide (SO ₂)	µg / m ³	18.24	20.27	14.19	17.57	IS 5182 (Part - 2) 2001 (RA 2022)
4.	Oxides of Nitrogen (NO _x)	µg / m ³	42.00	45.50	40.25	42.58	IS 5182 (Part - 6) 2006 (RA 2022)
5.	Lead (Pb)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Guidelines for Measurement of ambient air pollutant (Vol 1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C ₆ H ₆)	µg / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 11) 2006 (RA 2017)
7.	Ammonia (NH ₃)	µg / m ³	BLQ	BLQ	BLQ	BLQ	Method of Air Sampling & Analysis 3 rd Edition, 1988 Method No. 408
8.	Ozone (O ₃)	µg / m ³	43.1	-	-	43.1	Guidelines for Measurement of ambient air pollutant (Vol 1) NAAQMS/36/2012-13 (Chemical Method)
9.	Carbon Monoxide (CO)	mg / m ³	0.3227	0.3841	0.4277	0.3782	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m ³	BLQ	BLQ	BLQ	BLQ	IS 5182 (Part - 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
12.	Nickel (Ni)	ng / m ³	BLQ	BLQ	BLQ	BLQ	AAS Method
13.	Ambient Temperature (Average)	°C	32.0	29.0	29.0	30.0	Hygrometer

BLQ= Below Limit of Quantification

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

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

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

- Note:
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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

End of Report

Page 1 of 1

Reviewed By: QM/JTM



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 18.09.2024	:	Report No: ICI/HL/W/RN-1176/2024	Format No: ICI/FM/IL/67
Customer Name	:	M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/W-1176
Address	:	Dewanmuro, Aynia, P.O.-Hariatara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 07.09.2024
#Customer Representative Name & Contact Number	:	Deputy Quality Manager	Sampling Time : 11:00 AM
			Analysis Start Date : 09.09.2024
			Analysis complete Date : 16.09.2024
#Work Order No.	:	KHG/POR/0050/24-25, Dtd. 10.04.2024	
#Sample Description	:	DRINKING WATER	
Sample Condition	:	In Plastic Bottle & Glass Bottle	
Sampling Method	:	IS:3025 (Part II): 1987 (RA 2019), APHA 24 th Edition, 2023	
# Location	:	INSIDE OF THE PLANT	
Material Specification	:	IS 10500: 2012 (RA 2018)	
DISCIPLINE: CHEMICAL		PRODUCT GROUP: WATER	

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012 (RA 2018)		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
1.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):2018 APHA 24 th Edition 2150 B
2.	pH (at 26°C)	-	6.52	6.5 to 8.5	No Relaxation	IS:3025(Part-11):2022 APHA 24 th Edition 4500-H ⁺ B
3.	Colour	Hazen Unit	<5.0	5	15	IS:3025(Part-4): 2021
4.	Conductivity	µS/cm	132.1	-	-	IS: 3025(Part-14):2013:RA 2019 APHA 24 th Edition 2510 B
5.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10): 2023 APHA 24 th Edition 2130 B
6.	Total Dissolved Solid (TDS)	mg/L	102.0	500 (Max)	2000 (Max)	IS:3025(Part-16): 2023 APHA 24 th Edition 2540 C
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
7.	Total Hardness (as CaCO ₃)	mg/L	40.3	200 (Max)	600 (Max)	IS:3025(Part-21): 2009 RA 2019 APHA 24 th Edition 2340 C
8.	Ca Hardness (as CaCO ₃)	mg/L	25.2	-	-	APHA 24 th Edition 2340 C
9.	Mg Hardness (as CaCO ₃)	mg/L	15.1	-	-	APHA 24 th Edition 2340 C
10.	Calcium (as Ca)	mg/L	10.1	75 (Max)	200 (Max)	IS:3025(Part-40): And I:2014 APHA 24 th Edition 3500Ca B
11.	Magnesium (as Mg)	mg/L	3.7	30 (Max)	100 (Max)	IS:3025(Part-46):2023 APHA 24 th Edition 3500Mg B
12.	Chloride (as Cl)	mg/L	14.5	250 (Max)	1000 (Max)	IS:3025(Part-37): 1988 RA 2019 APHA 24 th Edition 4500Cl ⁻ B
13.	Total Alkalinity (as CaCO ₃)	mg/L	64.0	200 (Max)	600 (Max)	IS:3025(Part-23):2023 APHA 24 th Edition 2320 B
14.	P-Alkalinity (as CaCO ₃)	mg/L	Nil	-	-	APHA 24 th Edition 2320B
15.	M-Alkalinity (as CaCO ₃)	mg/L	64.0	-	-	APHA 24 th Edition 2320B
16.	Iron (as Fe)	mg/L	0.12	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003 RA 2019 APHA 24 th Edition 3500-Fe B
17.	Phosphate (as P)	mg/L	<0.02	-	-	APHA 24 th Edition 4500P D
18.	Fluoride (as F)	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008 RA 2019 APHA 24 th Edition 4500 F D

Page: 1 of 2

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA



INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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

TEST REPORT

Date: 18.09.2024	: Report No: ICI/HL/W/RN-1176/2024	Format No: ICI/FM/II/67
Customer Name	: M/s. RAMCO INDUSTRIES LTD.	Sample ID No : 2024/W-1176
Address	: Dewanmari, Ayma, P.O.-Haristara, P.S.-Kharagpur, Paschim Medinipur.	Sampling Date : 07.09.2024
#Customer Representative Name & Contact Number	: Deputy Quality Manager	Sampling Time : 11:00 AM
		Analysis Start Date : 09.09.2024
		Analysis complete Date : 16.09.2024
#Work Order No.	: KHG/POR/0050/24-25, Dtd. 10.04.2024	
#Sample Description	: DRINKING WATER	
Sample Condition	: In Plastic Bottle & Glass Bottle	
Sampling Method	: IS:3025 (Part 1): 1987 (RA 2019), APHA 24 th Edition, 2023	
# Location	: INSIDE OF THE PLANT	
Material Specification	: IS 10500: 2012 (RA 2018)	
DISCIPLINE: CHEMICAL		PRODUCT GROUP: WATER

SL No.	Parameters	Unit	Result	As Per IS:10500:2012 (RA 2018)		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
19.	Appearance	-	Clear	-	-	Visual
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
20.	Sulfate (as SO ₄)	mg/L	10.5	200 (Max)	400 (Max)	IS:3025(Part-24) Sec 1) 2022 APHA 24 th Edition 4500 SO ₄ ²⁻ E
21.	Silica (as SiO ₂)	mg/L	2.5	-	-	IS:3025(Part-35):1988, RA 2023 APHA 24 th Edition 4500 SiO ₂ , C
22.	Manganese (as Mn)	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 24 th Edition 3111 B
PARAMETERS CONCERNING TOXIC SUBSTANCES						
23.	Arsenic (as As)	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 24 th Edition 3500As B
BACTERIOLOGICAL PARAMETERS						
24.	Total Coliform	MPN/100 ml	BLQ	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
25.	E. Coli	CFLU/100ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981 (RA 2019)
LOQ= Limits of Quantification; BLQ= Below Limit of Quantification (LOQ- 1.8 MPN/100 ml)						
Remarks:						
1) Chemical test Parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012 (RA 2018)						
2) Bacteriological test parameters: Compliance – The above-mentioned test parameters are within desirable limit as per specification IS 10500:2012 (2018)						

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Goloi
(Quality Manager)
Signatory Authority

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

Parbati Goloi
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note :
1. All 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 2 of 2

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 12.09.2024	Report No: ICI/HL/N/TC-171/2024	Format No: ICI/PM/H/68
Customer Name	M/s. RAMCO INDUSTRIES LTD.	
Address	Dewamara, Ayma, P.O.-Hariasara, P.S.-Kharagpur, Paschim Medinipur	
#Customer Representative Name & Contact No.	Deputy Quality Manager	
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	
#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
DISCIPLINE: CHEMICAL		PRODUCT GROUP: ATMOSPHERIC POLLUTION

#Noise Source/ Location: NEAR MAIN GATE						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-852	07.09.2024	10:05 AM	61.67	63.4	57.3	As per note

#Noise Source/ Location: NEAR STOCK YARD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-853	07.09.2024	10:30 AM	61.52	63.2	58.4	As per note

#Noise Source/ Location: BACK SIDE OF THE PLANT						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-854	07.09.2024	11:00 AM	59.72	62.2	57.3	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)
2024/N-855	07.09.2024	11:30 AM	62.58	63.5	61.8	As per note

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

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

Prepared By: N. Mondal

Checked By: N. Pramanik

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

End of Report

Page 1 of 1

Reviewed By: QM/TM



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)

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



TEST REPORT

Date: 12.09.2024	Report No: ICI/HL/N/TC-172/2024	Format No: ICI/FM/HL/68
Customer Name	M/s. RAMCO INDUSTRIES LTD.	
Address	Dewanmura, Ayra, P.O.-Haratara, P.S.-Kharagpur, Paschim Medinipur	
#Customer Representative Name & Contact No.	Deputy Quality Manager	
#Work Order No.	KHG/POR/0050/24-25, Dtd. 10.04.2024	
#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)
Distance of Source	3.0 M	Difference (dt)
DISCIPLINE: CHEMICAL		2 Min
PRODUCT GROUP: ATMOSPHERIC POLLUTION		

#Noise Source/ Location: NEAR BOD						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-856	07.09.2024	01:30 PM	76.05	79.1	71.8	As per note

#Noise Source/ Location: NEAR SF DRUM						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-857	07.09.2024	02:00 PM	81.33	83.3	79.2	As per note

#Noise Source/ Location: NEAR CORRUGATION BOX						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-858	07.09.2024	02:30 PM	80.27	83.3	77.6	As per note

#Noise Source/ Location: STRIPPING SECTION						DAY TIME
Sample ID	Sampling Date	Sampling Time	Equivalent Noise (L _{eq}) dB(A)	Maximum Noise (L _{max}) dB(A)	Minimum Noise (L _{min}) dB(A)	Limit* dB(A)
2024/N-859	07.09.2024	03:00 PM	81.58	83.6	78.5	As per note

*Note:

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: N. Pramanik

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Page 1 of 1

End of Report

Reviewed By: QM/TH