

Factory : R.S.No. 71, Near Truck Terminal, Ibrahimpatnam - 521 456, Krishna Dist. A.P. © : 2882055, 2882056 Fax : 0866 - 2882058 CIN : L26943TN1965PLC005297

28.10.2023

То

The Joint Director, Government of India Ministry of Environment Forest & Climate Change Regional Office (South Eastern Zone) 1st & 2nd floor, HEPC Building, No.34, Cathedral garden road, Nungambakkam, CHENNAI - 34

Dear Sir,

Sub : Compliance Report - MOEF

We are enclosing herewith the MOEF compliance report for the period from April-2023 to September-2023 with Stack & Work zone monitoring reports for your perusal.

Kindly acknowledge the receipt.

Thanking You,

Yours Faithfully, For Ramco Industries Limited.,

P. ANANDA RAO, Asst. General Manager - Works



Regd. Office : 47, P.S.K. Nagar, Rajapalayam - 626 108, India. Head Office : "Auras Corporate Centre", 6th Floor, 98-A, Dr. Radhakrishnan Road, Mylapore, Chennai - 600 004.

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CONDITIONS STIPULATED IN MOEF & CC CLEARANCE - VIJAYAWADA PLANT

Reference:J-1101[.]1/76/2012-IA-II(I) dt:14.03.2014 RAMCO INDUSTRIES LIMITED,

HALF YEARLY COMPLIANCE : APR'2023 TO SEP'2023

A. SPECIFIC CONDITIONS:

S. No	Specific conditions	Compliance status
i.	The project proponent shall adhere to the prescribed BIS standards and laws regarding use and handling of asbestos, safety to employee's 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 fibre and cement are always transported in closed containers. Asbestos fibre 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.
111.	There shall be no manual handling/opening of asbestos fibre bags. The company shall 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 emissions shall be controlled by bringing cement in closed tankers, fly ash in covered trucks and asbestos in impervious bags opening inside a closed mixer. Dust collectors shall be provided to Fibre mill, Bag opening device (BOD), Cement and Fly ash 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 pulveriser shall be channelized through hood with proper suction arrangement, bag filter and stack.	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 fibre mill, Cement, Fly ash silos and rejected sheets pulveriser to collect the dust and recycle into the process. Asbestos fibre count is being monitored at pulveriser area found within the
v.	The company shall comply with total dust emission limit of 2mg/Nm3 as notified under the Environment (Protection) Act, 1986. Adequate measures shall be adopted to control the process emission and ensure that the stack emission of asbestos fibre shall not exceed the emission limit of 0.2 fibre/cc. Asbestos fibre in work zone environment shall be maintained with 0.1 fibre / cc.	We are complying with total dust emission limit of 2mg/Nm3 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 fibre will not exceed the emission limit of 0.2 fibre/cc. Asbestos fibre in work zone environment is maintained with in 0.1 fiber/cc. Reports are enclosed herewith.
vi.	Bags containing asbestos fibre shall be stored in enclosed area to avoid fugitive emissions of asbestos fibre from damaged bags, if any.	The bags containing asbestos are stored in an enclosed asbestos fibre storage area of about 647.74sq. m.
vii.	Proper housekeeping shall be maintained within the plant premises. Process machinery, exhaust and ventilation systems shall be laid in accordance with Factories Act.	Proper house-keeping maintained within the plant premises, process and machinery. Exhaust ventilation system is installed in accordance with

S.	Specific conditions	Compliance status		
No	 Better housekeeping practices shall be adopted for improvement of the environment within the work environment also. These include : a) All monitoring transfer points shall be connected to dust extraction system. b) Leakages 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. 	factories Act. For better house-keeping, 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		
viii.	Quarterly monitoring of pollutants (PM10, asbestos fibre count) in the work zone area and stack (s) shall be undertaken by the Project proponents. In addition, the asbestos fibre count including the fugitive dust in the work	Monitoring of Asbestos fibre count at work place is being done monthly at various locations by us & found well within the norms.		
	zone area shall be got monitored by an independent monitoring agency like NIOH / ITRC/NCB or any other approved agency on a six-monthly basis and reports shall be submitted to the Ministry's Regional Office at Bangalore, SPCB AND CPCB.	Half yearly monitoring of asbestos fibre count in work zone (including Fugitive dust) is being monitored by external agency, M/s J. R. Lab, Hyderabad. The reports are being submitted to State Pollution Control Board & Ministry once in 6		
ix.	As reflected in the Environmental Management Plan, all the treated effluent shall be recycled 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			

S. No	Specific conditions	Compliance status	
	green belt development.		
x.	The company shall ensure that the entire solid waste generated including process rejects, cement, fly ash, 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.	st including process rejects, dust from bag filter and empty asbestos bags are recycled the manufacturing process. es of II.	
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 fibre bags are shredded into fine particles in a bag shrèdder and recycled into the process.	
		fibre supply. Also we receive certificate from the	
xiii.	Regular medical examination of the workers and health monitoring of all the employees shall be carried out and if cases of asbestos 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, bloat 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 the directive of the Hon'ble Supreme Court 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 up to 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. We have done last medical check-up for the following: Blood, Urine, Sputum, and X-ray done on 28.08.2023. We have also attached a specimen copy for your kind reference.	
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 Ministry's Regional Office at Bangalore within three months. We have our own harvesting system in or to recharge the ground water			
xvi.	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 28.06.2013	Recommendations made during public hearing	

S. No	Specific conditions	Compliance status
	shall be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bangalore.	norm research Constrained and the second sec
xvii.	As proposed; green belt over 33% of the total projects area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the PCB guidelines in consultation with the DFO.	We have already developed 33% of the project area as greenbelt. 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 other areas also.
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 manner.	
xix.	The company shall provide housing for construction labour within the site with all necessary infrastructure and 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 structures 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:-

S. No	General conditions	Compliance status	
i.	The project authorities must strictly adhere to the stipulations made by the Andhra Pradesh Pollution Control Board and the State Government.	We strictly adhere to the stipulations made by the AP Pollution Control Board and the State Government.	
ii.	No further expansion or modifications in the plant shall 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 concentration of PM10, PM2.5, SO2 and NOX are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bangalore and the SPCB / CPCB once 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, Chennai and State pollution control board.	
		We have attached herewith the Ambient Air Quality Record done by M/s Sri Durga Civil & Enviro consultants, Vijayawada.	

S. No	General conditions	Compliance status		
iv.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19 th May, 1993 and 31 st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	our manufacturing process.		
v.	The overall noise levels in and around the plant area shall be kept well within the standards (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 (daytime) and 70 dBA (nighttime).	e are monitored regularly and is well under s, the limit. nt er		
vi.	Occupational health surveillance of the workers shall be done on a regular basis and 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		
vii.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	being done as per factories act. Rain water harvesting structures has been developed to augment ground water during rainy season.		
viii.	The project proponent shall also comply with all the environmental protection measures and 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 and health care etc.	recommended in the EIA/EMP report. Also we are regularly doing C.S.R activities.		
ix.	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and 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 Bangalore. The funds so provided shall not be diverted for any other purpose.	Environmental Expenses details are Recurring Expenses:- April 2023 to September 2023 = Rs. 3,81,251/		
x.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zillah Parisad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Copy of EC accorded has been sent to local panchayat & Zillah parishad.		
xi.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bangalore. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, PM2.5, SO2, NOX (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the	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.		

General conditions	Compliance status
projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored date (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bangalore / CPCB / SPCB shall monitor the stipulated conditions.	
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 and shall also be sent to the respective Regional Office of the MOEF at Bangalore by e-mail.	We are regularly sending the Environmental statement (Form–V, yearly) to state pollution control board.
The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with SPCB and may also be seen at Website of the Ministry of Environment and Forests at <u>http://envfor.nic.in</u> . 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 of the locality concerned and a copy of the same should be forwarded to the Regional office at Bangalore.	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 seen at website of the MoEF at http:/envfor.nic.in.
Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and 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.
	projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored date (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bangalore / CPCB / SPCB shall monitor the stipulated conditions. 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 and shall also be sent to the respective Regional Office of the MOEF at Bangalore by e-mail.

For RAMCO INDUSTRIES LTD.,

P. ANANDA RAO Asst. General Manager(Works)



Rated as `No.1' Laboratory for Counting of Asbestos Fibre by Institute of Occupational Medicine, Edinburgh U.K., World Health Organization Collaborating Centre for Occupational Health.

19.05.2023

To,

The Asst. General Manager M/s. Ramco Industries Ltd., R S No. 71, Near Truck Terminal Ibrahimpatnam – 521 456 Vijayawada, Krishna Dist. Andhra Pradesh

Dear Sir,

Please find enclosed here with the Results of Dust Samples of Work Place, Ambient Air & Stack **Collected and Analyzed** by J R LABS for determination of Respirable Asbestos Fibre Concentrations on **15th May 2023**.

Thanking You

Your's sincerely

For J R LABS

Research Fibre Analyst

B-305 & 309, Vasudha Apartments, Quthubullapur Road, New Jeedimetla, HYDERABAD - 500 067, TELANGANA, INDIA.



AN ISO 9001 : 2008 CERTIFIED LAB



JR LABS

ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES

Rated as `No.1' Laboratory for Counting of Asbestos Fibre by Institute of Occupational Medicine, Edinburgh U.K., World Health Organization Collaborating Centre for Occupational Health.

19.05.2023

REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

Project	:	: M/s. RAMCO INDUSTRIES Ltd., R S No. 71,NEAR TRUCK TERMINAL IBRAHIMPATNAM, VIJAYAWADA, KRISHNA Dist., A P			
Sampler used	:	Samples collected by J R Labs using <u>S K C : 224-PCXR8:II,</u> <u>S K C : 224-PCXR8:I &</u> <u>Envirotech : APM 800 – I</u> <u>Personal Sampler</u>	sing <u>S K C : 224-PCXR8:II,</u> <u>K C : 224-PCXR8:I &</u> Envirotech : APM 800 – I		
Flow rate Sampling Duration	857	1.0 L P M 60 minutes each	Specifications :	As per A I A - R T M 1 & IS : 11450 - Membrane	
samping 2 aradion	•	oo minutes each		Filter Method	

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
1	15.05.2023	<u>Static</u> Fibre Godown	The Static sample is collected from the Fibre Godown where different grades of palletized Fibre bags are stored. Torn bags are taped. Wet moping done.	< 0.1 (0.056)	
2	15.05.2023	<u>Personal</u> Bag Opening Device – E R Mill.	The worker carrying the Sampler was feeding fibre bags to the B O D through slant Conveyor. Dust Collector in operation.	< 0.1 (0.096)	
3	15.05.2023	<u>Static</u> E R Mill - Hydrodisintegrator	B O D, E R Mill and Dust Collector in operation.	< 0.1 (0.064)	

For J R LABS

Research Fibre Analyst

B-305 & 309, Vasudha Apartments, Quthubullapur Road, New Jeedimetla, HYDERABAD - 500 067, TELANGANA, INDIA.



AN ISO 9001 : 2008 CERTIFIED LAB



Rated as `No.1' Laboratory for Counting of Asbestos Fibre by Institute of Occupational Medicine, Edinburgh U.K., World Health Organization Collaborating Centre for Occupational Health.

19.05.2023

REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

Project	:	M/s. RAMCO INDUSTRIES Ltd., R S No. 71,NEAR TRUCK TERMINAL IBRAHIMPATNAM, VIJAYAWADA, KRISHNA Dist., A P				
Sampler used	:	Samples collected by J R Labs using <u>Envirotech : APM 800 – V,</u> <u>Spectro : SLE-PS-154:I &</u> <u>S K C : Side Kick 51 Ex</u> <u>Personal Sampler</u>	Analyzed under :	Olympus make, Japan, B X 40 Phase Contrast Microscope		
Flow rate Sampling Duration		1.0 L P M 60 minutes each	Specifications :	As per A I A - R T M 1 & IS : 11450 - Membrane Filter Method		

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
4	15.05.2023	<u>Personal</u> Cutter Off – S F Drum	The worker carrying the Sampler was cutting the Sheets at green stage on main Machine along with another worker.	< 0.1 (0.032)	
5	15.05.2023	<u>Static</u> Stripping	The Static sample is collected during the stripping of F C C Sheets. Plant was in production.	< 0.1 (0.060)	
6	15.05.2023	<u>Personal</u> M G Section - Moulding	The worker carrying the Sampler was making R1 & R2 moulded articles. Semi wet process.	< 0.1 (0.052)	

For J R LABS

Research Fibre Analyst

B-305 & 309, Vasudha Apartments, Quthubullapur Road, New Jeedimetla, HYDERABAD - 500 067, TELANGANA, INDIA.



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19.05.2023

REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

Project	:	M/s. RAMCO INDUSTRIES Ltd., R S No. 71,NEAR TRUCK TERMIN IBRAHIMPATNAM, VIJAYAWAD	JAL	, A P
Sampler used	:	Samples collected by J R Labs using <u>Envirotech : APM 800 – VIII,</u> <u>Envirotech : APM 800 – IV &</u> <u>Envirotech : APM 800 – II</u> <u>Personal Sampler</u>	Olympus make, Japan, B X 40 Phase Contrast Microscope	
Flow rate Sampling Duration	-	1.0 L P M 60 minutes each	Specifications :	As per A I A - R T M 1 & IS : 11450 – Membrane Filter Method

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
7	15.05.2023	<u>Personal</u> Pulverizer	The worker carrying the Sampler was feeding broken F C C Sheets through the Chute of Pulverizer.	< 0.1 (0.092)	
8	15.05.2023	<u>Personal</u> Ball Mill	The worker carrying the Sampler was engaged in operation of Ball Mill including feeding of Sludge. Wet Process.	< 0.1 (0.052)	
9	15.05.2023	Personal Salvaging Section	The worker carrying the Sampler was reclaiming the Sheets. F C C rejected Sheets were getting reclaimed. Wet process.	< 0.1 (0.060)	

For J R LABS

Research Fibre Analyst

B-305 & 309, Vasudha Apartments, Quthubullapur Road, New Jeedimetla, HYDERABAD - 500 067, TELANGANA, INDIA.



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19.05.2023

REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

	Project	:	M/s. RAMCO INDUSTRIES Ltd R S No. 71,NEAR TRUCK TERMI IBRAHIMPATNAM, VIJAYAWA	NAL	st.,	, A P
)	Sampler used	:	Samples collected by J R Labs using <u>Casella : T13180 - II &</u> <u>S K C : AirLite</u> <u>Personal Sampler</u>	Analyzed under		Olympus make, Japan, B X 40 Phase Contrast Microscope
	Flow rate Sampling Duration	: :	1.0 L P M 60 minutes each	Specifications	:	As per A I A - R T M 1 & IS : 11450 - Membrane Filter Method

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

	Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
0	10	15.05.2023	<u>Personal</u> Fork Lift Operator	The Fork Lift Operator carrying the Sampler was engaged in shifting of F C C Sheets from Stock Yard to Loading Platform. Trucks were getting loaded during the period of sampling.	< 0.1 (0.048)	
	11	15.05.2023	<u>Personal</u> Q C Lab Assistant	The Q C Lab Asst. carrying the Sampler was engaged in different Lab activities during the period of sampling.	< 0.1 (0.072)	

For J R LABS

Research Fibre Analyst

B-305 & 309, Vasudha Apartments, Quthubullapur Road, New Jeedimetla, HYDERABAD - 500 067, TELANGANA, INDIA.



AN ISO 9001 : 2008 CERTIFIED LAB



Rated as `No.1' Laboratory for Counting of Asbestos Fibre by Institute of Occupational Medicine, Edinburgh U.K., World Health Organization Collaborating Centre for Occupational Health.

19.05.2023

REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

Project	:	M/s. RAMCO INDUSTRIES Ltd., R S No. 71,NEAR TRUCK TERMINAL BRAHIMPATNAM, VIJAYAWADA, KRISHNA Dist., A P				
Sampler used	:	Samples collected by J R Labs using <u>Spectro : SLE-PS-154:II</u> <u>Personal Sampler</u>	Analyzed under :		Olympus make, Japan, B X 40 Phase Contrast Microscope	
Flow rate Sampling Duration		1.0 L P M 60 minutes	Specifications :		As per A I A - R T M 1 & IS : 11450 – Membrane Filter Method	

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
12	15.05.2023	<u>Static</u> Work Zone of the Plant	The Static sample is collected from near Production Office during the production of F C C Sheets.	< 0.1 (0.060)	

For J R LABS



Research Fibre Analyst

B-305 & 309, Vasudha Apartments, Quthubullapur Road, New Jeedimetla, HYDERABAD - 500 067, TELANGANA, INDIA.



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19.05.2023

Filter Method

REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

Project	:	M/s. RAMCO INDUSTRIES Ltd R S No. 71,NEAR TRUCK TERMI IBRAHIMPATNAM, VIJAYAWA	NAL	, A	A P
Sampler used	:	Samples collected by J R Labs using <u>Casella : AFC 123,</u> <u>Casella : T13180 - I &</u> <u>Envirotech : APM 800 - VII</u> <u>Personal Sampler</u>	Analyzed under	:	Olympus make, Japan, B X 40 Phase Contrast Microscope
Flow rate Sampling Duration	:	1.0 L P M 60 minutes each	Specifications	:	As per A I A - R T M 1 & IS : 11450 - Membrane

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

10						
	Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
	13	15.05.2023	Static Ambient Air :- Near Stock Yard – Sheet Loading Area	The Static sample is collected from near Stock Yard – Sheet Loading Area during loading of F C C Sheets in to the Trucks. Trucks were getting loaded during the period of sampling.	< 0.1 (0.056)	
~	14	15.05.2023	Static Ambient Air :- Near Main Gate - Security Office	The Static sample is collected from near Main Gate – Security Office. Plant was in production of F C C Sheets.	< 0.1 (0.088)	
	15	15.05.2023	Static Ambient Air :- Near Canteen	The Static sample is collected from near Canteen. Plant was in production of F C C Sheets.	< 0.1 (0.092)	

For J R LABS

Research Fibre Analyst

B-305 & 309, Vasudha Apartments, Quthubullapur Road, New Jeedimetla, HYDERABAD - 500 067, TELANGANA, INDIA.



AN ISO 9001 ; 2008 CERTIFIED LAB



T C : May 2023 : Stack – E R M : A F C

19.05.2023

REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

FIBRE D E STACK

U	Project	:	M/s. Ramco Industries Limited, R S No. 71, Near Truck Terminal, Ibrahimpatnam ,Vijayawada, Krishna Dist., Andhra Pradesh– 521 45					
	Sampler used	:	Envirotech VSS1	Analyzed under	:	Olympus make, Japan, B X 40 Phase Contrast Microscope		
	Flow rate	:	10 L P M	Specifications	:	As per A I A - R T M 1 IS:11450 & ISO:10397		
	Sampling Duration	:	10 minutes			Membrane Filter Method		

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.2 fibre per cc of air.

J	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
	15.05.2023	Fibre Stack connected to B O D & Edge Running Mill		0.046	

For J R LABS

Research Fibre Analyst

B-305 & 309, Vasudha Apartments, Quthubullapur Road, New Jeedimetla, HYDERABAD - 500 067, TELANGANA, INDIA.



AN ISO 9001 : 2008 CERTIFIED LAB

Ramco Industries Limited

Factory : R.S.No. 71, Near Truck Terminal, Ibrahimpatnam - 521 456, Krishna Dist. A.P. © : 2882055, 2882056 Fax : 0866 - 2882058 CIN : L26943TN1965PLC005297 OFFICE COPY

Ref. No PCB/Ambient Stack/September'23 03.10.2023

The Environmental Engineer, Andhra Pradesh Pollution Control Board, Regional Office Plot No.41, Sri Kanakadurga Officers' Colony Gurunanak Road, Vijayawada – 8.



Dear Sir,

Sub: SUBMISSION of Ambient Air Quality data etc.

We submit herewith the copy of reports for the month of September'23 for your reference.

- 1. Ambient air quality data-test report date 13.09.2023
- 2. Stack monitoring data-test report date: 13.09.2023 (stack attached to cement silo)
- 3. Stack monitoring data-test report date: 13.09.2023 (stack attached to fiber bag machine)
- 4. Stack monitoring data-test report date: 13.09.2023 (stack attached to DG set)
- 5. Dust (Fugitive) emission monitoring date report date 13.09.2023(Cement and Fly ash storage silo area)
- 6. Noise Level test report date : 13.09.2023
- 7. Fiber concentrations dust levels report date: 22.09.2023
- 8. Air Ambient Quality Monitoring Reading September'2023

Kindly acknowledge receipt.

Thanking you, Yours faithfully, For **Ramco Industries Limited**



Asst. General Manager Works





RAMCO SmartBuild Tech Services

Regd. Office : 47, P.S.K. Nagar, Rajapalayam - 626 108, India.

Head Office : "Auras Corporate Centre", 6th Floor, 98-A, Dr. Radhakrishnan Road, Mylapore, Chennai - 600 004. The second state of the second stat



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF.NO: SDEC/RIL/AAQ/2023

Date: 13-09-2023

AMBIENT AIR QUALITY DATA

Name of the Industry Address	: M/s :	. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.
Date of monitoring Ambient Temperature	:	11-09-2023 28º C

Sl. No.	Location	PM ₁₀ (μg/m ³)	PM _{2.5} (μg/m ³)	SO ₂ (μg/m ³)	NO _x (μg/m³)	
1.	Near Admn. building	48	20	7.2	17.5	
2.	Near security gate	69	34	8.5	19.6	
3.	Near Guest House	41	17	7.0	17.2	
4.	Near Cone tank area	62	31	7.6	19.0	
5.	A.P.P.C.B Limits	100	60	80	80	

 PM_{10} : Particulate Matter (size less than 10 μ m)

 PM_{25} : Particulate Matter (size less than 2.5 μ m)

SO₂ : Sulphur Dioxide

 NO_x : Oxides of Nitrogen

Authorised Signatory Kt K. Manohar **Technical Manager**

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Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010. Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108. Cor 709

Contact 7092021868 | 9704126787 sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY)

AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023

Date: 13-09-2023

STACK MONITORING DATA

Name of the Industry Address

M/s. RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.

Sample Particulars Date of Monitoring Time of Monitoring	 Stack attached to Cement Silo after Bag filter 11-09-2023 2.15 P.M. 	
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/sec Flow rate (Nm³/hr) 	: 00°C	

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 20.7

:

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Note: All the values are within the limits prescribed by APPCB.



Authorised Signatory kt. K. Manohar

Technical Manager

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 $\mathbf{\Omega}$

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Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact



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REF: SDEC/RIL/SM/2023

Date: 13-09-2023

STACK MONITORING DATA

Name of the Industry : M/s Address :	RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.
Sample Particulars Date of Monitoring Time of Monitoring	 Stack attached to Fibre bag machine after bag filter 11-09-2023 11.45 A.M.
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/sec Flow rate (Nm³/hr) 	: 56°C

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 1.3

Note: All the values are within the limits prescribed by APPCB.



Authorised Signatory, Kt. K. Manohar

Technical Manager

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 #10-136/19 | BMPS Road
 Prasadampadu
 VIJAYAWADA-521 108.

Contact
 709202186
 sdenvirocar



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



Date: 13-09-2023

REF: SDEC/RIL/SM/2023

STACK MONITORING DATA

Address :	. RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.
Sample Particulars Date of Monitoring Time of Monitoring	: Stack attached to 750 KVA D.G.Set : 11-09-2023 : 4.00 P.M.
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/se Flow rate (Nm³/hr) 	204 C

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 33.6

Note: All the values are within the limits prescribed by APPCB.



Authorised Signatory

K. Manohar Technical Manager

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 #10-136/19 | BMPS Road
 Prasadampadu
 VIJAYAWADA-521 108.

Contact 709202

7092021868 | 9704126787



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF.NO: SDEC/RIL/DE/2023

Date: 13-09-2023

TEST REPORT

DUST (FUGITIVE) EMISSION MONITORING DATA

Name of the Industry Address	 M/s. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A. Truck Terminal Ibrahimpatnam – 521 456 Krishna (Dt). A.P. 					
Date of Monitoring Ambient Temperature	: 10-0 : 32°	9-2023 C				
Sl. No Location	1	PM ₁₀ (μg/m ³)	PM _{2.5} (μg/m ³)	SO ₂ (µg/m³)	NO _x (μg/m³)	
1. Cement Storage silo	area	68	36	8.6	20.5	
2. Fly ash Storage silo		72	41	9.0	20.8	

- PM : Particulate Matter (Size less than 10 μm)
- PM : Particulate Matter (Size less than 2.5 μ m)
- $SO^{2.5}$: Sulphur Dioxide
- NO_{v}^{2} : Oxides of Nitrogen



Authorised Signatory

K. Manohar **Technical Manager**

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 #10-136/19 | BMPS Road
 Prasadampadu
 VIJAYAWADA-521 108.

Contact 709202

7092021868 | 9704126787



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/NL/2023

Date: 13-09-2023

TEST REPORT

NOISE LEVELS

Name of the Industry Address

: M/s. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A. Truck Terminal Ibrahimpatnam – 521 456 Krishna (Dt). A.P.

Sample Particulars Date of Monitoring : Noise Levels : 11-09-2023

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C No	No. Location	Noise Levels dB(A)		
S.No Location	Day Time	Night Time		
2. N 3. N 4. N	lear Work Zone Area lear Pulveriser lear Main Gate lear Canteen lear Scrap Yard	70.4 70.8 60.2 59.4 62.0	69.6 70.0 56.4 56.2 58.8	

Limiting Standards of A.P.P.C.B.: Day Time =75dB(A), Night Time= 70dB(A)



Authorised Signatory

K. Manohar **Technical Manager**

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Lab Address $\mathbf{\Omega}$ #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact (3)

7092021868 | 9704126787

RAMCO INDUSTRIES LIMITED

And the second

Asst General Manager

R.S. No.71, Near Truck Terminal

4

-

Ibrahimpatnam-521456

Krishna District, AP

We are giving below the count report of fibre dust samples received from VIJAYAWADA factory for the month of Sep-'23.

	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (f/cc)
1	02.09.2023	Fibre Godown	S ·	1000	240	10	0.022
2	02.09.2023	Fibre mill	Р	1000	240	9	0.020
3 .	02.09.2023	Slurry Mixer	Р	1000	240	9	0.020
4	03.09.2023	Sheet Machine	S	1000	240	7	0.015
5	03.09.2023	Moulding	Р	1000	240	7	0.015
6	03.09.2023	Corrugator	S	1000	240	8	0.018
7	02.09.2023	Loading area	Р	1000	240	8	0.018
8	04.09.2023	QC Laboratory	Р	1000	240	7	0.015
9	04.09.2023	Pulverizer	S	1000	240	10	0.022
10	04.09.2023	Salvage Machine	Р	1000	240	8	0.018

Remarks:-

*P-Personal

*S-Static

Un able to process

Hard copy of report along with sample boxes will be sent through courier

SENIOR QUALITY MANAGER

Date:22.09.2023

Arakkonam

Ramco Industries Limited Ibrahimpatnam, Krishna District.

AIR AMBIENT QUALITY MONITORING FOR THE MONTH OF SEPTEMBER 2023

Date	Near Security gate			Near Admin Building		Near Cone Tank Area	
	PM10	PM 2.5	PM10	PM 2.5	PM10	PM 2.5	
01-09-2023	56	29	48	19	53	29	
02-09-2023	51	30	46	18	48	33	
03-09-2023	54	26	43	23	51	27	
04-09-2023	48	22	43	20	49	30	
05-09-2023	50	29	50	19	42	29	
06-09-2023	52	33	48	23	53	33	
07-09-2023	56	30	46	20	48	27	
08-09-2023	51	26	56	19	53	22	
09-09-2023	45	29	40	20	57	29	
10-09-2023	53	27	43	23	54	28	
11-09-2023	56	26	43	20	43	25	
12-09-2023	51	29	50	19	43	26	
13-09-2023	54	33	40	23	50	26	
14-09-2023	43	30	45	20	48	27	
15-09-2023	43	28	43	19	46	18	
16-09-2023	50	26	50	20	56	23	
17-09-2023	48	29	48	22	40	20	
18-09-2023	46	28	49	18	56	19	
19-09-2023	56	25	48	21	40	23	
20-09-2023	40	26	50	19	45	20	
21-09-2023	56	26	52	18	43	19	
22-09-2023	49	28	48	23	53	33	
23-09-2023	48	30	48	23	48	30	
24-09-2023	50	19	48	23	51	27	
25-09-2023	52	23	46	20	49	30	
26-09-2023	59	22	43	20	59	30	
27-09-2023	48	29	50	19	61	29	
28-09-2023	58	33	48	23	53	33	
29-09-2023	46	26	50	19	45	20	
30-09-2023	56	26	52	18	43	19	

10/2023 l Senthil

Asst. Manager - Quality

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For RAMCO INDUSTRIES LTD., P. ANANDA RAO Asst. General Manager(Works)

Ramco Industries Limited

Factory : R.S.No. 71, Near Truck Terminal, Ibrahimpatnam - 521 456, Krishna Dist. A.P. ② : 2882055, 2882056 Fax : 0866 - 2882058 CIN : L26943TN1965PLC005297 のFFILE COPY

Ref. No PCB/Ambient Stack/August'23 01.09.2023

The Environmental Engineer, Andhra Pradesh Pollution Control Board, Regional Office Plot No.41, Sri Kanakadurga Officers' Colony Gurunanak Road, Vijayawada – 8.

	भारतीय डाक
	RM456426081IN IVR:8278456426081 RL IBRAHIMPATHAM S.O (KRISHNA) <5214563 Jodia Post
5	Counter No:1,01/09/2023,12:20
	To:THE RHVIRONNE,A.P POLLUTION CO PIN:520008, Vj Polytechnic S.D From:RAMCO INDUS,RS NO 71, NEAR T
	Wt:70gas Amt:37.00(Cash)
	(Track on www.indiapost.gov.in)

Dear Sir,

Sub: SUBMISSION of Ambient Air Quality data etc.

We submit herewith the copy of reports for the month of August'23 for your reference.

- 1. Ambient air quality data-test report date 26.08.2023
- 2. Stack monitoring data-test report date: 26.08.2023 (stack attached to cement silo)
- 3. Stack monitoring data-test report date: 26.08.2023 (stack attached to fiber bag machine)
- 4. Stack monitoring data-test report date: 26.08.2023 (stack attached to DG set)
- 5. Dust (Fugitive) emission monitoring date report date 26.08.2023(Cement and Fly ash storage silo area)
- 6. Noise Level test report date : 26.08.2023
- 7. Fiber concentrations dust levels report date: 21.08.2023
- 8. Air Ambient Quality Monitoring Reading August'2023

Kindly acknowledge receipt.

Thanking you, Yours faithfully, For **Ramco Industries Limited**

[P.Ananda/Rao]

Asst. General Manager Works





RAMCO SmartBuild Tech Services

Regd. Office : 47, P.S.K. Nagar, Rajapalayam - 626 108, India.

Head Office : "Auras Corporate Centre", 6th Floor, 98-A, Dr. Radhakrishnan Road, Mylapore, Chennai - 600 004. The second state of the second stat



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF.NO: SDEC/RIL/AAQ/2023 URL No.TC100772022000000116

Date: 26-08-2023

AMBIENT AIR QUALITY DATA

Name of th Address	ne Industry	 M/s. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P. 					
Date of mo Ambient T	onitoring Semperature	: :	24-08-2023 34º C	3			
Sl. No.	Location		PM ₁₀ (μg/m³)	PM _{2.5} (μg/m ³)	SO ₂ (μg/m ³)	NO _x (μg/m³)	

1. Near Admn. building	46	23	7.8	18.2	
2. Near security gate	65	31	8.4	20.0	
3. Near Guest House	44	19	7.2	17.6	
4. Near Cone tank area	59	27	8.0	18.8	
5. A.P.P.C.B Limits	100	60	80	80	

 PM_{10} : Particulate Matter (size less than 10 µm)

: Particulate Matter (size less than 2.5 µm) PM, 5

- SO_2 : Sulphur Dioxide
- NOx : Oxides of Nitrogen



Authorised Signatory K. Manohar **Technical Manager**

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- Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.
- Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.
- Contact (



(An NABL ACCREDITED LABORATARY)

AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023 URL No.TC100772022000000116

Date: 26-08-2023

STACK MONITORING DATA

Name of the	Industry
Address	

M/s. **RAMCO INDUSTRIES LIMITED** R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.

Sample Particulars	: Stack	attached to Cement Silo after Bag filter
Date of Monitoring	:	24-08-2023
Time of Monitoring	:	11.00 A.M.
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/sec) Flow rate (Nm³/hr) 	:	0.40 0.125 61°C 12.0 4817.96

Emission Data (mg/Nm3)

6. Suspended Particulate Matter (mg/Nm³) : 21.4

Note: All the values are within the limits prescribed by APPCB.

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Authorised Signatory

K. Manohar **Technical Manager**

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Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010. Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108. Contact 709202



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REF: SDEC/RIL/SM/2023 URL No.TC100772022000000116

Date: 26-08-2023

STACK MONITORING DATA

Name of the Industry : M/ Address :	s. RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.
Sample Particulars Date of Monitoring Time of Monitoring	 Stack attached to Fibre bag machine after bag filter 24-08-2023 12.30 P.M.
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/sec) Flow rate (Nm³/hr) 	: 0.25 : 0.049 : 58°C): 11.18 : 1775.53

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 1.5

Note: All the values are within the limits prescribed by APPCB.

Authorised Signatory Kt. an K. Manohar **Technical Manager**

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Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact (1)



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REF.NO: SDEC/RIL/DE/2023 URL No.TC100772022000000116

Date: 26-08-2023

TEST REPORT

DUST (FUGITIVE) EMISSION MONITORING DATA

Name of the Ind Address	ustry : M/s . :	RAMCO IN R.S.No.71, N Ibrahimpatna Krishna (Dt)	Near U.D.A. am – 521 45	Truck Term		
Date of Monitori Ambient Temper	U	08-2023 C				
Sl. No	Location	PM ₁₀ (μg/m³)	PM _{2.5} (μg/m ³)	SO ₂ (μg/m³)	NO _x (µg/m³)	
1. Cement St	orage silo area	63	34	8.2	19.5	
2. Fly ash Sto	orage silo area	69	38	8.5	20.2	

- PM : Particulate Matter (Size less than 10 µm)
- PM_{25} : Particulate Matter (Size less than 2.5 μ m)
- SO : Sulphur Dioxide
- NO_x : Oxides of Nitrogen



Authorised Signatory let. K. Manohar **Technical Manager**

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 #10-136/19 | BMPS Road
 Prasadampadu
 VIJAYAWADA-521 108.

Contact
 7092021868 | 9704126787
 sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/NL/2023 URL No.TC100772022000000116 Date: 26-08-2023

TEST REPORT

NOISE LEVELS

Name of the Industry Address

:	M/s. RAMCO INDUSTRIES LIMITED
:	R.S.No.71, Near U.D.A. Truck Terminal
	Ibrahimpatnam – 521 456
	Krishna (Dt). A.P.

Sample Particulars Date of Monitoring : Noise Levels : 24-08-2023

S.No	Location	Noise Leve	ls dB(A)
1		Day Time	Night Time
1.	Near Work Zone Area	70.0	69.5
2.	Near Pulveriser	70.6	69.8
3.	Near Main Gate	59.4	55.2
4.	Near Canteen	58.8	56.0
5.	Near Scrap Yard	62.5	59.4

Limiting Standards of A.P.P.C.B.: Day Time =75dB(A), Night Time= 70dB(A)



Authorised Signatory Kt 1 L an K. Manohar **Technical Manager**

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Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

 $\mathbf{\Omega}$ Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact 7092021868 | 9704126787 sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023 URL No.TC100772022000000116

Date: 26-08-2023

STACK MONITORING DATA

A Truck Torminal
A.Truck Terminal
456

Sample Particulars	: Stack	attached to 750 KVA D.G.Set
Date of Monitoring	:	24-08-2023
Time of Monitoring	:	3.15 P.M.

1. Stack Diameter (m)	:	0.20
2. Stack cross sectional area (sq m)	:	0.03
3. Flue gas temperature	:	267 °C
4. Exit Velocity of flue gases (m/sec):	12.85
5. Flow rate (Nm ³ /hr)	:	765.86

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 36.2

Note: All the values are within the limits prescribed by APPCB.

Authorised Signatory 21. G K. Manohar **Technical Manager**

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Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010. Lab Address
 #10-136/19 | BMPS Road
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 VIJAYAWADA-521 108.

Contact
 7092021868 | 9704126787
 sdenvirocare@gmail.com

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			RAMCO IN	DUSTRIES LIMITED)		
Asst General N	lanager		7				Arakkonam
R.S. No.71, Ne	ar Truck Terminal	1.42					Date:21.08.2023
Ibrahimpatnar	n-521456						Date.21.00.2023
Krishna Distric	t, AP						
		×					
We are giving belo	w the count report of fibr	e dust samples received	from VIJAYAWADA	factory for the month of Au	g-'23.		
Laurence and the second	-						
						2	T
e ¹⁰	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (f/co
1	02.08.2023	Fibre Godown	S	1000	240	11	0.024
2	01.08.2023	Fibre mill	Р	1000	240	9	0.020
3	01.08.2023	Slurry Mixer	Р	1000	240	9	0.020
4	01.08.2023	Sheet Machine	S	1000	240	7	0.015
5	01.08.2023	Moulding	Р	1000	240	8	0.018
6	01.08.2023	Corrugator	S	1000	240	7	0.015
7	02.08.2023	Loading area	Р	1000	240	8	0.018
8	03.08.2023	QC Laboratory	Р	1000	240	6	0.013
9	02.08.2023	Pulverizer	S	1000	240	10	0.022
10	02.08.2023	Salvage Machine	P	1000	240	7	0.015
emarks:-						*P-Personal	
						*S-Static	
	353					# Un able to process	
ard copy of report a	along with sample boxes wi	Il be sent through courier			n	Tast	A

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for S. Jay A

SENIOR QUALITY MANAGER

1

in

Ramco Industries Limited Ibrahimpatnam, Krishna District.

AIR AMBIENT QUALITY MONITORING FOR THE MONTH OF AUGUST 2023

Date	Near Security gate		Near Admi	n Building	Near Cone Tank Area		
	PM10	PM 2.5	PM10	PM 2.5	PM10	PM 2.5	
01-08-2023	46	31	51	24	58	31	
02-08-2023	56	27	53	20	51	28	
03-08-2023	40	28	54	23	51	30	
04-08-2023	56	30	51	20	54	29	
05-08-2023	40	28	50	19	51	33	
06-08-2023	45	26	53	23	50	30	
07-08-2023	43	29	56	21	53	28	
08-08-2023	48	30	51	19	56	26	
09-08-2023	50	28	54	18	51	29	
10-08-2023	53	27	43	23	54	28	
11-08-2023	56	26	43	20	43	25	
12-08-2023	51	29	50	19	43	26	
13-08-2023	54	33	40	23	50	26	
14-08-2023	43	30	45	20	48	27	
15-08-2023	43	28	43	19	46	18	
16-08-2023	50	26	50	20	56	23	
17-08-2023	48	29	48	22	40	20	
18-08-2023	46	28	49	18	56	19	
19-08-2023	56	25	48	21	40	23	
20-08-2023	40	26	50	19	45	20	
21-08-2023	56	26	52	18	43	19	
22-08-2023	40	28	56	23	50	20	
23-08-2023	48	30	51	23	48	20	
24-08-2023	50	28	45	23	49	18	
25-08-2023	52	28	45	20	48	28	
26-08-2023	56	29	47	19	50	29	
27-08-2023	51	28	48	23	52	32	
28-08-2023	45	26	46	20	56	29	
29-08-2023	45	27	48	19	51	22	
30-08-2023	47	28	46	20	45	31	
31-08-2023	48	27	49	20		30	

I Senthil Asst. Manager - Quality

a.

For RAMCO INPUSTRIES LTD.,

P. AMANDA RAO Asst. General Manager(Works)

Ramco Industries Limited

Factory : R.S.No. 71, Near Truck Terminal, Ibrahimpatnam - 521 456, Krishna Dist. A.P. ②: 2882055, 2882056 Fax : 0866 - 2882058 CIN : L26943TN1965PLC005297 でFFICE COPY

Ref. No PCB/Ambient Stack/July'23 03.08.2023

The Environmental Engineer, Andhra Pradesh Pollution Control Board, Regional Office Plot No.41, Sri Kanakadurga Officers' Colony Gurunanak Road, Vijayawada – 8.

RN494993745IN IVR:8278494993745 RL IBRAHINPATNAM S.O (KRISHNA) <521	भारतीय ड	a di	13 1
Counter Ho:1,03/08/2023,13:04 To:THEENVIRONMEN,AP POLLUTIONCONT PIN:520003, Vi Polytechnic S.D.	456	India Post	C A
From:RAHCO INDUS.RS NO.71,NEAR TR Wt:BOgms Amt:37.00(Cash)			-, Fr
<track on="" www.indiapost.gov.in=""/> (Dial 18002666868) <wear masks,="" stay<="" td=""><td>Safe)</td><td></td><td>Fr To Dei</td></wear>	Safe)		Fr To Dei

Dear Sir,

Sub: SUBMISSION of Ambient Air Quality data etc.

We submit herewith the copy of reports for the month of July'23 for your reference.

- 1. Ambient air quality data-test report date 11.07.2023
- 2. Stack monitoring data-test report date: 11.07.2023 (stack attached to cement silo)
- 3. Stack monitoring data-test report date: 11.07.2023 (stack attached to fiber bag machine)
- 4. Stack monitoring data-test report date: 11.07.2023 (stack attached to DG set)
- 5. Dust (Fugitive) emission monitoring date report date: 11.07.2023 (Cement and Fly ash storage silo area)
- 6. Noise Level test report date :11.07.2023
- 7. Fiber concentrations dust levels report date: 11.07.2023
- 8. Air Ambient Quality Monitoring Reading July'2023

Kindly acknowledge receipt.

Thanking you, Yours faithfully, For **Ramco Industries Limited**

[P.Ananda Rao] Asst. General Manager Works



Regd. Office : 47, P.S.K. Nagar, Rajapalayam - 626 108, India.

Head Office : "Auras Corporate Centre", 6th Floor, 98-A, Dr. Radhakrishnan Road, Mylapore, Chennai - 600 004.



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF.NO: SDEC/RIL/AAQ/2023 URL No.TC100772022000000108

Date: 11-07-2023

AMBIENT AIR QUALITY DATA

Name of the Industry Address	:	RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.
Date of monitoring Ambient Temperature	:	05-07-2023 33º C

Sl. No	. Location	PM ₁₀ (μg/m ³)	PM _{2.5} (μg/m³)	SO ₂ (μg/m³)	NO _x (µg/m³)
1.	Near Admn. building	44	19	7.0	17.5
2.	Near security gate	62	33	8.2	19.4
3.	Near Guest House	41	16	6.8	17.0
4.	Near Cone tank area	57	25	7.6	18.2
5.	A.P.P.C.B Limits	100	60	80	80

 PM_{10} : Particulate Matter (size less than 10 μ m)

 $PM_{2.5}$: Particulate Matter (size less than 2.5 μ m)

- SO₂ : Sulphur Dioxide
- NO_X : Oxides of Nitrogen



Authorised Signatory ate 0

K. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

- Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.
- Lab Address
 #10-136/19 | BMPS Road
 Prasadampadu
 VIJAYAWADA-521 108.
- Contact 709202

7092021868 | 9704126787



(An NABL ACCREDITED LABORATARY)

AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023 URL No.TC100772022000000108

Date: 11-07-2023

STACK MONITORING DATA

Name of the Industry : M Address :	R.S.Ne Ibrahir	MCO INDUSTRIES LIMITED o.71,Near U.D.A.Truck Terminal npatnam -521 456 na (Dt). A.P.
Sample Particulars Date of Monitoring Time of Monitoring	: Stacl : :	k attached to Cement Silo after Bag filter 05-07-2023 10.30 A.M.
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/se Flow rate (Nm³/hr) 	:	0.40 0.125 59°C 11.72 4733.89

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 20.6

Note: All the values are within the limits prescribed by APPCB.



Authorised Signatory KE

K. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010. Lab Address
 #10-136/19 | BMPS Road
 Prasadampadu
 VIJAYAWADA-521 108.

Contact 7092021


(An NABL ACCREDITED LABORATARY)

AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023 URL No.TC100772022000000108

Date: 11-07-2023

STACK MONITORING DATA

Name of the Industry : M/ Address :	/s. RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.
Sample Particulars Date of Monitoring Time of Monitoring	 Stack attached to Fibre bag machine after bag filter 05-07-2023 12.15 P.M.
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/sec Flow rate (Nm³/hr) 	: 57°C

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 1.4

Note: All the values are within the limits prescribed by APPCB.



Authorised Signatory

K. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010. Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108. Contact 7092021868



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF.NO: SDEC/RIL/DE/2023 URL No.TC100772022000000108

Date: 11-07-2023

TEST REPORT

DUST (FUGITIVE) EMISSION MONITORING DATA

Name of the Industry Address		 M/s. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A. Truck Terminal Ibrahimpatnam – 521 456 Krishna (Dt). A.P. 					
Date of Monitori Ambient Temper	C	:	06-07 32 °C				
Sl. No	Location			PM ₁₀ (μg/m³)	ΡΜ _{2.5} (μg/m³)	SO ₂ (μg/m³)	NO _x (µg/m³)

8.4

8.6

1	. Cement Storage silo area	65	36
2.	Fly ash Storage silo area	68	42

: Particulate Matter (Size less than 10 µm) PM

: Particulate Matter (Size less than 2.5 µm) PM 25

SO Sulphur Dioxide

Oxides of Nitrogen NO :

Authorised Signatory K. Mandhar **Technical Manager**

19.8

20.5

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

Lab Address $\mathbf{\Omega}$ #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact

7092021868 | 9704126787

sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/NL/2023 URL No.TC100772022000000108 Date: 11-07-2023

TEST REPORT

NOISE LEVELS

Name of the Industry Address

: M/s. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A. Truck Terminal Ibrahimpatnam – 521 456 Krishna (Dt). A.P.

Sample Particulars Date of Monitoring : Noise Levels : 05-07-2023

:

S.No	Location	Noise Level	ls dB(A)
		Day Time	Night Time
1.	Near Work Zone Area	70.2	69.4
2.	Near Pulveriser	70.5	69.6
3.	Near Main Gate	60.0	55.8
4.	Near Canteen	59.4	56.2
5.	Near Scrap Yard	61.8	58.5

Limiting Standards of A.P.P.C.B.: Day Time =75dB(A), Night Time= 70dB(A)

Authorised Signatory 0 K. Manohar

Technical Manager

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Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact 6

7092021868 | 9704126787

sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023 URL No.TC100772022000000108

Date: 11-07-2023

STACK MONITORING DATA

Name of the Industry	:	M/s.RAMCO INDUSTRIES LIMITED
Address	:	R.S.No.71, Near U.D.A. Truck Terminal
		Ibrahimpatnam -521 456
		Krishna (Dt). A.P.
		N 02

Sample Particulars	: Stac	ck attached to 750 KVA D.G.Set
Date of Monitoring	:	05-07-2023
Time of Monitoring	:	3.00 P.M.

1. Stack Diameter (m)	:	0.20
2. Stack cross sectional area (sq m)	:	0.03
3. Flue gas temperature	:	266 °C
4. Exit Velocity of flue gases (m/sec):	12.46
5. Flow rate (Nm ³ /hr)	:	743.99

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 34.8

Note: All the values are within the limits prescribed by APPCB.



Authorised Signatory K. Manohar

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

 $\mathbf{\Omega}$

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact (2)

Technical Manager

				the second s			
			RAMCO INI	DUSTRIES LIMITED)		
Asst General I	Manager	1					
	ar Truck Terminal	8					Arakkonam
brahimpatna						*	Date:11.07.2023
Krishna Distric							
•							24
Ve are giving belo	ow the count report of fibr	e dust samples received from					
	8			actory for the monul of Jul	iy- 23.		
	3						
	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (f/co
*1	04.07.0000						
	01.07.2023	Fibre Godown	S	1000	240	10	
2	01.07.2023	Fibre Godown	S P	1000	240	12	0.026
2 3				1000	240 240	9	0.026
	01.07.2023	Fibre mill	P P	1000 1000	240 240 240	9 10	0.026 0.020 0.022
3	01.07.2023 01.07 2023	Fibre mill Slurry Mixer Sheet Machine	P P S	1000 1000 1000	240 240 240 240 240	9 10 8	0.026 0.020 0.022 0.018
3 4	01.07.2023 01.07.2023 02.07.2023	Fibre mill Slurry Mixer Sheet Machine Moulding	P P S P	1000 1000 1000 1000	240 240 240 240 240 240	9 10 8 6	0.026 0.020 0.022 0.018 0.013
3 4 5	01.07.2023 01.07 2023 02.07.2023 02.07.2023	Fibre mill Slurry Mixer Sheet Machine Moulding Corrugator	P P S P S	1000 1000 1000 1000 1000	240 240 240 240 240 240 240	9 10 8 6 8	0.026 0.020 0.022 0.018
3 4 5 6	01.07.2023 01.07 2023 02.07.2023 02.07.2023 02.07.2023 02.07.2023	Fibre mill Slurry Mixer Sheet Machine Moulding Corrugator Loading area	P P S P S P	1000 1000 1000 1000 1000 1000	240 240 240 240 240 240 240 240	9 10 8 6	0.026 0.020 0.022 0.018 0.013
3 4 5 6 7 8	01.07.2023 01.07 2023 02.07.2023 02.07.2023 02.07.2023 02.07.2023 02.07.2023 03.07.2023	Fibre mill Slurry Mixer Sheet Machine Moulding Corrugator Loading area QC Laboratory	P S P S S P P P	1000 1000 1000 1000 1000 1000 1000	240 240 240 240 240 240 240	9 10 8 6 8	0.026 0.020 0.022 0.018 0.013 0.018
3 4 5 6 7	01.07.2023 01.07 2023 02.07.2023 02.07.2023 02.07.2023 02.07.2023	Fibre mill Slurry Mixer Sheet Machine Moulding Corrugator Loading area	P P S P S P	1000 1000 1000 1000 1000 1000	240 240 240 240 240 240 240 240	9 10 8 6 8 7	0.026 0.020 0.022 0.018 0.013 0.018 0.015

Remarks:-

*P-Personal

*S-Static

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SENIOR QUALITY MANAGER

Hard copy of report along with sample boxes will be sent through courier

Ramco Industries Limited Ibrahimpatnam, Krishna District.

AIR AMBIENT QUALITY MONITORING FOR THE MONTH OF JULY 2023

Date		curity gate		in Building	Near Co	ne Tank Area
	PM10	PM 2.5	PM10	PM 2.5	PM10	PM 2.5
01-07-2023	58	31	v45	24	45	31
02-07-2023	51	29	46	20	48	23
03-07-2023	51	30	48	23	48	30
04-07-2023	54	31	45	20	51	31
05-07-2023	51	26	43	19	48	26
06-07-2023	50	28	43	23	46	31
07-07-2023	53	30	50	21	47	26
08-07-2023	56	29	48	19	53	29
09-07-2023	51	30	46	18	48	33
10-07-2023	54	26	43	23	51	27
11-07-2023	48	22	43	20	49	30
12-07-2023	50	29	50	19	42	29
13-07-2023	52	33	48	23	53	33
14-07-2023	56	30	46	20	48	27
15-07-2023	51	26	56	19	53	22
16-07-2023	45	29	40	20	57	29
17-07-2023	47	33	56	22	45	33
18-07-2023	48	27	40	18	53	27
19-07-2023	46	30	45	21	52	31
20-07-2023	48	31	43	19	47	26
21-07-2023	46	26	50	18	42	28
22-07-2023	49	28	48	23	53	33
23-07-2023	48	30	48	23	48	30
24-07-2023	50	19	48	23	51	27
25-07-2023	52	23	46	20	49	30
26-07-2023	56	20	43	19	42	29
27-07-2023	51	19	43	23	53	33
28-07-2023	45	20	50	20	48	27
29-07-2023	50	22	48	19	53	
30-07-2023	53	18	46	20	57	22
31-07-2023	56	21	46	20	45	29 33

8/2023 I Senthil

Asst. Manager - Quality

For RAMCO INDUSTRIES LTD.,

P. ANANDA RAO Asst. General Manager(Works) 1

Ramco Industries Limited

Factory : R.S.No. 71, Near Truck Terminal, Ibrahimpatnam - 521 456, Krishna Dist. A.P. ② : 2882055, 2882056 Fax : 0866 - 2882058 CIN : L26943TN1965PLC005297

Ref. No PCB/Ambient Stack/June'23 03.07.2023

The Environmental Engineer, Andhra Pradesh Pollution Control Board, Regional Office Plot No.41, Sri Kanakadurga Officers' Colony Gurunanak Road, Vijayawada – 8.



Dear Sir,

Sub: SUBMISSION of Ambient Air Quality data etc.

We submit herewith the copy of reports for the month of June'23 for your reference.

- 1. Ambient air quality data-test report date 07.06.2023
- 2. Stack monitoring data-test report date : 07.06.2023 (stack attached to cement silo)
- 3. Stack monitoring data-test report date : 07.06.2023 (stack attached to fiber bag machine)
- 4. Stack monitoring data-test report date : 07.06.2023 (stack attached to DG set)
- 5. Dust (Fugitive) emission monitoring date report date : 07.06.2023 (Cement and Fly ash storage silo area)
- 6. Noise Level test report date : 07.06.2023
- 7. Fiber concentrations dust levels report date: 26.06.2023
- 8. Air Ambient Quality Monitoring Reading June'2023

Kindly acknowledge receipt.

Thanking you, Yours faithfully, For **Ramco Industries Limited**

[P.Ananda Rao] Asst. General Manager Works



Regd. Office : 47, P.S.K. Nagar, Rajapalayam - 626 108, India.

Head Office : "Auras Corporate Centre", 6th Floor, 98-A, Dr. Radhakrishnan Road, Mylapore, Chennai - 600 004.

🕿 +91 44 2847 8585, www.ramcoindltd.com, 🔀 : ril@ril.co.in



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF.NO: SDEC/RIL/AAQ/2023 URL No.TC100772022000000100

Date: 07-06-2023

AMBIENT AIR QUALITY DATA

Name of the Industry Address	: M :	/s. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.	
Date of monitoring Ambient Temperature	:	02-06-2023 44º C	

Sl. No.	Location	PM ₁₀ (μg/m ³)	PM _{2.5} (μg/m ³)	SO ₂ (µg/m³)	NO _x (µg/m³)	
1.	Near Admn. building	49	22	7.5	18.0	
2.	Near security gate	67	35	8.4	19.8	
3.	Near Guest House	43	18	7.0	17.8	
4.	Near Cone tank area	60	29	8.2	18.6	
5.	A.P.P.C.B Limits	100	60	80	80	

- PM_{10} : Particulate Matter (size less than 10 μ m)
- PM₂₅ : Particulate Matter (size less than 2.5 μm)
- SO₂ : Sulphur Dioxide
- NO_x : Oxides of Nitrogen

Authorised Signatory Jet: Janhor K. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

- Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.
- Contact 709202
 - 7092021868 | 9704126787
 - sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023 URL No.TC100772022000000100 Date: 07-06-2023

STACK MONITORING DATA

Name of the Industry Address	:	 M/s. RAMCO INDUSTRIES LIMIT R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P. 				
Sample Particulars Date of Monitoring		: Stac :	02-06-2023	ement Silo after Bag filter		
Time of Monitoring 1. Stack Diameter (m)		:	12.45 P.M. 0.40			

2. Stack cross sectional area (sq m)	:	0.125
3. Flue gas temperature	:	63°C
4. Exit Velocity of flue gases (m/set	c):	12.04
5. Flow rate (Nm ³ /hr)	:	4805.25

Emission Data (mg/Nm3)

6. Suspended Particulate Matter (mg/Nm³) : 22.8

Note: All the values are within the limits prescribed by APPCB.

Authorised Signatory K. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010. Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108. Cont 7092

Contact 7092021868 | 9704126787 sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023 URL No.TC100772022000000100 Date: 07-06-2023

STACK MONITORING DATA

Name of the Industry : M/ Address :	M/s. RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.					
Sample Particulars Date of Monitoring Time of Monitoring	 Stack attached to Fibre bag machine after bag filter 02-06-2023 11.00 A.M. 					
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/sec Flow rate (Nm³/hr) 	: 59°C					

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 1.2

Note: All the values are within the limits prescribed by APPCB.

Authorised Signatory K. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

Lab Address (A) #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF.NO: SDEC/RIL/DE/2023 URL No.TC100772022000000100 Date: 07-06-2023

TEST REPORT

DUST (FUGITIVE) EMISSION MONITORING DATA

Name of the Industry Address	: I I	 M/s. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A. Truck Terminal Ibrahimpatnam – 521 456 Krishna (Dt). A.P. 					
Date of Monitoring Ambient Temperature	: 03-00 : 43 °C						
Sl. No Location	. *	PM ₁₀ (μg/m ³)	PM _{2.5} (μg/m³)	SO ₂ (μg/m³)	NO _x (μg/m³)	8 -	
1. Cement Storage silo a	area	76	40	9.2	20.4		
2. Fly ash Storage silo a	rea	79	46	9.4	21.0		

- PM : Particulate Matter (Size less than $10 \ \mu m$)
- PM^{10} : Particulate Matter (Size less than 2.5 μ m)
- SO^{2.5} : Sulphur Dioxide
- NO : Oxides of Nitrogen

Authorised Signatory 1 K. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

- Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.
- Contact 709202

7092021868 | 9704126787 sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/NL/2023 URL No.TC100772022000000100 Date: 07-06-2023

TEST REPORT

NOISE LEVELS

Name of the Industry
Address: M/s. RAMCO INDUSTRIES LIMITED
: R.S.No.71, Near U.D.A. Truck Terminal
Ibrahimpatnam – 521 456
Krishna (Dt). A.P.

Sample Particulars Date of Monitoring : Noise Levels : 02-06-2023

S.No	Location	Noise Levels dB(A)			
		Day Time	Night Time		
1	Near Work Zone Area	70.6	69.8		
2.	Near Pulveriser	70.8	70.0		
	Near Main Gate	60.4	56.2		
3.	Near Canteen	59.0	55.8		
4. 5.	Near Scrap Yard	62.2	58.6		

Limiting Standards of A.P.P.C.B.: Day Time =75dB(A), Night Time= 70dB(A)

Authorised Signatory K. Manohar **Technical Manager**

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

6.4

Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108. Contact 709202

7092021868 | 9704126787 sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023 URL No.TC100772022000000100

Date: 07-06-2023

STACK MONITORING DATA

Name of the Industry : Address :		M/s. RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.		
Sample Particulars		: Stack attached to 750 KV	A D.G.Set	
Date of Monitoring Time of Monitoring		: 02-06-2023 : 3.30 P.M.		
This of Monitoring		. 5.501.141.		

1. Stack Diameter (m)	:	0.20
2. Stack cross sectional area (sq m)	:	0.03
3. Flue gas temperature	:	271 °C
4. Exit Velocity of flue gases (m/sec):	12.9
5. Flow rate (Nm ³ /hr)	:	763.18

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 35.4

Note: All the values are within the limits prescribed by APPCB.

Authorised Signatory K. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010. Lab Address
 #10-136/19 | BMPS Road
 Prasadampadu
 VIJAYAWADA-521 108.

Contact 7092021868 | 9704126787

sdenvirocare@gmail.com

RAMCO INDUSTRIES LIMITED

The second

Arakkonam

Asst General Manager R.S. No.71, Near Truck Terminal Ibrahimpatnam-521456 Krishna District, 🕮

NEGRARY S 177 ST 202

S. 14

Date:26.06.2023

We are giving below the count report of fibre dust samples received from VLIAYAWADA factory for the month of June '23. 1.12、这个时间和这次问题

1999 - 1999 -	anate of sampling	Location	SP and a	Flow Rate (ml/min)	Sampling damatical points	Fibre Count (nos)	Fibre concentration(Vcc)	. An 1997
1	01.06.2023	Fibre Godown	S	1600	240	15	0.033	an phonese a construction of the second
2	01.06.2023	Fibre mill	· P THE	1000	240	÷10.	0.022	and a second
3	01.06.2023	Slurry Mixer	8 P 1990	1000	240	12	0.026	
4	02.06.2023	Sheet Machine	S. AND.	1000	240	10	0:022	a th
5	02.06.2023	Moulding	P acta	1000	240 🦹		- 0.018	1
6	02.06.2023	Corrugator	S. STAR	1000	240	6.	0.013	
7	02.06.2023	Loading area	P	1000	240	7	0.015	
8	03.06.2023	QC Laboratory	P	1000	240	10	0.022	
.9	03.06.2023	Pulverizer	SIS STAT	1000	240	12	0.026	12
10	03.06.2023	Salvage Machine	P	1000	240	15	• 0.033	

Remarks:-

-3

*P-Personal

*S-Static

Un able to process

Hard copy of report along with sample boxes will be sent through courier

Jacquita

SENIOR QUALITY MANAGER

超过40分 医疗疗病

Ramco Industries Limited Ibrahimpatnam, Krishna District.

Date	Near Security gate			n Building	Near Cone Tank Area		
	PM10	PM 2.5	PM10	PM 2.5	PM10	PM 2.5	
01-06-2023	50	31	45	24	59	31	
02-06-2023	48	29	46	20	48	27	
03-06-2023	43	30	48	23	48	30	
04-06-2023	47	31	45	20	51	31	
05-06-2023	51	26	43	19	59	26	
06-06-2023	41	28	43	23	57	31	
07-06-2023	53	30	50	21	54	26	
08-06-2023	42	29	48	<u>19</u>	53	29	
09-06-2023	55	30	46	18	48	33	
10-06-2023	49	26	43	2.3	51	27	
11-06-2023	51	22	43	20	59	30	
12-06-2023	59	29	50	19	57	29	
13-06-2023	43	33	48	23	53	33	
14-06-2023	48	30	46	20	48	27	
15-06-2023	55	26	56	19	53	22	
16-06-2023	51	29	40	20	57	29	
17-06-2023	56	33	56	22	55	33	
18-06-2023	52	27	40	18	53	27	
19-06-2023	48	30	45	21	56	31	
20-06-2023	50	31	43	19	57	26	
21-06-2023	56	26	50	18	51	29	
22-06-2023	57	28	48	23	53	33	
23-06-2023	45	30	48	23	48	30	
24-06-2023	48	31	45	20	51	31	
25-06-2023	51	26	43	19	59	26	
26-06-2023	55	28	50	24	45	28	
27-06-2023	44	29	48	20	49	29	
28-06-2023	49	25	46	22	51	33	
29-06-2023	50	33	56	22	58	33	
30-06-2023	52	27	40	18	53	27	

AIR AMBIENT QUALITY MONITORING FOR THE MONTH OF JUNE 2023

I Senthil Asst. Manager - Quality

For RAMCO INDUSTRIES LTD.,

Assi. General Manager(Works)

Ramco Industries Limited

Factory : R.S.No. 71, Near Truck Terminal, Ibrahimpatnam - 521 456, Krishna Dist. A.P. ©: 2882055, 2882056 Fax: 0866 - 2882058 CIN: L26943TN1965PLC005297

Office COPY

Ref. No PCB/Ambient Stack/May'23 01.06.2023

The Environmental Engineer, Andhra Pradesh Pollution Control Board, **Regional Office** Plot No.41, Sri Kanakadurga Officers' Colony Gurunanak Road, Vijayawada – 8.

5 , 3	भारतीय डाक्	
	RN456429689IN IVR:8278456429689	R
	RL_IBRAHIMPATNAM S.O (KRISHNA) (521456)	C.
	Counter No:1,01/06/2023,11:27 India Post	-
	To:THEENVIRONMEN,APPOLLUTIONCONTR PIN:520008, Vj Polytechnic S.O	A
	From:RAMCO INDUS.RS ND.71.NEAR TR Wi:80gms	-
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	Amt:37.00(Cash)	F
	<track on="" www.indiapost.gov.in=""/>	Ţ
	<pre> Dial 18002666868> <wear masks.="" safe="" stay=""></wear></pre>	D

Dear Sir,

Sub: SUBMISSION of Ambient Air Quality data etc.

We submit herewith the copy of reports for the month of May'23 for your reference.

- 1. Ambient air quality data-test report date 15.05.2023
- 2. Stack monitoring data-test report date :15.05.2023 (stack attached to cement silo)
- 3. Stack monitoring data-test report date :15.05.2023 (stack attached to fiber bag machine)
- 4. Stack monitoring data-test report date :15.05.2023 (stack attached to DG set)
- 5. Dust (Fugitive) emission monitoring date report date :15.05.2023 (Cement and Fly ash storage silo area)
- Noise Level test report date :15.05.2023
- Fiber concentrations dust levels report date: 22.05.2023
- 8. Air Ambient Quality Monitoring Reading May'2023

Kindly acknowledge receipt.

Thanking you, Yours faithfully, For Ramco Industries Limited

[P.Ananda Rao] Asst. General Manager Works





Regd. Office : 47, P.S.K. Nagar, Rajapalayam - 626 108, India.

Head Office : "Auras Corporate Centre", 6th Floor, 98-A, Dr. Radhakrishnan Road, Mylapore, Chennai - 600 004.

🕿 +91 44 2847 8585, www.ramcoindltd.com, 🛛 : ril@ril.co.in



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF.NO: SDEC/RIL/AAQ/2023

Date: 15-05-2023

AMBIENT AIR QUALITY DATA

Name of the Industry Address	: M/s :	. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.
Date of monitoring Ambient Temperature	:	09-05-2023 38º C

Sl. No.	Location	PM ₁₀ (μg/m ³)	PM _{2.5} (μg/m ³)	SO ₂ (μg/m³)	NO _x (µg/m³)	
1.	Near Admn. building	45	20	7.2	17.6	
2.	Near security gate	69	37	8.5	20.4	
3.	Near Guest House	40	15	6.6	17.2	
4.	Near Cone tank area	58	26	7.8	18.0	5
5.	A.P.P.C.B Limits	100	60	80	80	

- PM_{10} : Particulate Matter (size less than 10 μ m)
- $PM_{2.5}$: Particulate Matter (size less than 2.5 μ m)
- SO₂ : Sulphur Dioxide
- NO_x : Oxides of Nitrogen



Authorised Signatory K. Manohar

Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010. Lab Address
 #10-136/19 | BMPS Road
 Prasadampadu
 VIJAYAWADA-521 108.

Contact
 7092021868 | 9704126787
 sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY)

AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023

Date: 15-05-2023

STACK MONITORING DATA

Name of the Industry : MA Address :	Vs. RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.
Sample Particulars Date of Monitoring Time of Monitoring	 Stack attached to Cement Silo after Bag filter 09-05-2023 11.15 A.M.
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/sec) Flow rate (Nm³/hr) 	: 60°C

Emission Data (mg/Nm3)

6. Suspended Particulate Matter (mg/Nm³) : 21.4

Note: All the values are within the limits prescribed by APPCB.



Authorised Signatory

. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

- Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.
- Lab Address
 #10-136/19 | BMPS Road
 Prasadampadu
 VIJAYAWADA-521 108.
- Contact 709202
 - 7092021868 | 9704126787 sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY)

AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023

Date: 15-05-2023

STACK MONITORING DATA

Name of the Industry : M/ Address :	s. RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.
Sample Particulars Date of Monitoring Time of Monitoring	 Stack attached to Fibre bag machine after bag filter 09-05-2023 11.45 A.M.
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/sec) Flow rate (Nm³/hr) 	: 0.25 : 0.049 : 58°C : 11.45 : 1818.41

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 1.3

Note : All the values are within the limits prescribed by APPCB.



Authorised Signatory let. K. Manohar Technical Manager

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 \mathbf{O}

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact 0



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF.NO: SDEC/RIL/DE/2023

Date: 15-05-2023

TEST REPORT

DUST (FUGITIVE) EMISSION MONITORING DATA

Name of the Industry Address	 M/s. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A. Truck Terminal Ibrahimpatnam – 521 456 Krishna (Dt). A.P. 					
Date of Monitoring Ambient Temperature	: 10-05-2023 : 39 °C					
SI. No Location		ΡΜ ₁₀ (μg/m³)	PM _{2.5} (μg/m³)	SO ₂ (μg/m³)	NO _x (μg/m³)	
1. Cement Storage silo ar	ea	71	38	8.6	19.2	

- 2. Fly ash Storage silo area 74 43
- PM : Particulate Matter (Size less than 10 µm) 10
- PM Particulate Matter (Size less than 2.5 µm) 2.5
- SO Sulphur Dioxide
- Oxides of Nitrogen NO :



9.0

19.8

Authorised Signatory K. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

Lab Address () #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact 0



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/NL/2023

Date: 15-05-2023

TEST REPORT

NOISE LEVELS

Name of the Industry Address

: M/s. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A. Truck Terminal Ibrahimpatnam - 521 456 Krishna (Dt). A.P.

Sample Particulars Date of Monitoring : Noise Levels : 10-05-2023

Noise Levels dB(A) S.No Location Night Time Day Time 70.0 69.5 Near Work Zone Area 1. 69.8 70.4 Near Pulveriser 2. 56.0 59.8 Near Main Gate 3. 57.6 61.5 5. Near Scrap Yard

Limiting Standards of A.P.P.C.B.: Day Time =75dB(A), Night Time= 70dB(A)



Authorised Signatory

K. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 0 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact 7092021868 | 9704126787 sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023

Date: 15-05-2023

STACK MONITORING DATA

Name of the Industry Address	 M/s.RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P. 	

Sample Particulars
Date of Monitoring
Time of Monitoring

: Stack attached to 750 KVA D.G.Set 10-05-2023 3.10 P.M.

1. Stack Diameter (m)		0.00
2. Stack cross sectional area (sq m)	•	0.20
3 Elus asst	:	0.03
3. Flue gas temperature	:	264 °C
4. Exit Velocity of flue gases (m/sec	c):	12.82
5. Flow rate (Nm ³ /hr)	:	768.34

Emission Data (mg/Nm³)

:

:

6. Suspended Particulate Matter (mg/Nm³) : 36

Note: All the values are within the limits prescribed by APPCB.



Authorised Signatory 0 K. Manohar Technical Manager

OUR MISSION : Our Aim is to Become The Most Economical, Efficient & Relible Testing Facility for Environment

Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

Lab Address **A** #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact ര

RAMCO INDUSTRIES LIMITED

Print Party

Asst General Manager

R.S. No.71, Near Truck Terminal

Ibrahimpatnam-\$21456 -

Krishna District, AP

We are giving below the count report of fibre dust samples received from VIJAYAWADA factory for the month of May-'23.

1

	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (f/cc)
1	01.05.2023	Fibre Godown	S	1000	240	8	0.018
2 -	01.05.2023	Fibre mill	Р	1000	240	7	0.015
3	01.05.2023	Slurry Mixer	Р	1000	240	6	0.013
4	02.05.2023	Sheet Machine	S	1000	240	6	0.013
5	02.05.2023	Moulding	Р	1000	240	5	0.011
6	02.05.2023	Corrugator	S	1000	240	7	0.015
7	02.05.2023	Loading area	Р	1000	240	7	0.015
8	03.05.2023	QC Laboratory	Р	1000	240	5	0.011
9	03.05.2023	Pulverizer	S	1000	240	7	0.015
10	03.05.2023	Salvage Machine	Р	1000	240	6	0.013

Remarks:-

*P-Personal

*S-Static

Un able to process

Hard copy of report along with sample boxes will be sent through courier

SENIOR QUALITY MANAGER

Date:22.05.2023

Arakkonam

C

Ramco Industries Limited Ibrahimpatnam, Krishna District.

AIR AMBIENT QUALITY MONITORING FOR THE MONTH OF MAY 2023

Date		urity gate	Near Admi	n Building	Near Cone Tank Area		
Date	PM10	PM 2.5	PM10	PM 2.5	PM10	PM 2.5	
01-05-2023	70	28	48	23	53	33	
02-05-2023	72	28	49	23	61	19	
03-05-2023	68	26	57	19	53	22	
04-05-2023	72	29	40	20	57	25	
05-05-2023	63	26	50	21	61	29	
06-05-2023	66	30	49	21	59	27	
07-05-2023	72	31	56	19	57	26	
08-05-2023	65	26	40	18	61	29	
09-05-2023	69	28	48	23	53	33	
10-05-2023	72	31	49	23	61	19	
11-05-2023	70	26	56	19	53	22	
12-05-2023	72	31	49	23	61	19	
13-05-2023	70	26	56	19	53	22	
14-05-2023	72	29	40	20	57	29	
15-05-2023	70	33	56	22	61	33	
16-05-2023	68	26	41	20	60	23	
17-05-2023	68	30	45	21	56	31	
18-05-2023	72	31	43	19	57	26	
19-05-2023	72	26	43	20	61	26	
20-05-2023	65	26	50	19	53	29	
21-05-2023	69	28	48	23	53	33	
22-05-2023	72	31	49	23	61	19	
23-05-2023	68	26	56	19	53	22	
24-05-2023	72	29	40	20	57	29	
25-05-2023	65	33	56	22	61	33	
26-05-2023	69	27	40	18	53	27	
27-05-2023	72	29	40	20	57	29	
28-05-2023	70	33	56	22	61	33	
29-05-2023	68	27	40	18	53	27	
30-05-2023	68	30	45	21	56	31	
31-05-2023	69	29	43	19	57	26	

I Senthil

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Asst. Manager - Quality

For RAMCO INDUSTRIES LTD., P. ANK DA RAO Asst. General Manager(Works)

Ramco Industries Limited

Factory : R.S.No. 71, Near Truck Terminal, Ibrahimpatnam - 521 456, Krishna Dist. A.P. © : 2882055, 2882056 Fax : 0866 - 2882058 CIN : L26943TN1965PLC005297

oppor Copy

Ref. No PCB/Ambient Stack/April'23 03.05.2023

The Environmental Engineer, Andhra Pradesh Pollution Control Board, Regional Office Plot No.41, Sri Kanakadurga Officers' Colony Gurunanak Road, Vijayawada – 8.

8N4814538157N TVR: 8278481453815	
RL V7PS S.8 <521456>	
Counter Mo:2,03/05/2023,13:21	
TO:THE ENVIRONME, A P P C B R O,	
PIN:520009, Vj Polytechnic S.0	
From:RAWEXE INCKS, ISRAHIMPATHAM	
#tesogne	
Amt:32.00(Cash)	-
(Track on www.indiapost.gov.in)	
(Dia) 18007666868) (Wear Masks, Stay Safe)	

Dear Sir,

Sub: SUBMISSION of Ambient air Quality data etc.

We submit herewith the copy of reports for the month of April'23 for your reference.

- 1. Ambient air quality data-test report date 11.04.2023
- 2. Stack monitoring data-test report date :11.04.2023 (stack attached to cement silo)
- 3. Stack monitoring data-test report date :11.04.2023 (stack attached to fiber bag machine)
- 4. Stack monitoring data-test report date :11.04.2023 (stack attached to DG set)
- 5. Dust (Figutive) emission monitoring date report date :10.04.2023 (Cement and Fly ash storage silo area)
- 6. Noise Level test report date : 11.04.2023
- 7. Fiber concentrations dust levels report date: 17.04.2023
- 8. Air Ambient Quality Monitoring Reading April'2023

Kindly acknowledge receipt.

Thanking you, Yours faithfully, For **Ramco Industries Limited**

[P.Ananda Rao] Asst. General Manager Works





Regd. Office : 47, P.S.K. Nagar, Rajapalayam - 626 108, India.

Head Office : "Auras Corporate Centre", 6th Floor, 98-A, Dr. Radhakrishnan Road, Mylapore, Chennai - 600 004.

🕿 +91 44 2847 8585, www.ramcoindltd.com, 🛛 : ril@ril.co.in



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF.NO: SDEC/RIL/AAQ/2023

Date: 11-04-2023

AMBIENT AIR QUALITY DATA

Name of the Industry Address	:	RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.
Date of monitoring	:	05-04-2023
Ambient Temperature	:	38º C

Sl. No.	Location	PM ₁₀ (μg/m ³)	PM _{2.5} (μg/m ³)	SO ₂ (μg/m ³)	NO _x (µg/m³)	
1.	Near Admn. building	48	19	7.4	18.2	
2.	Near security gate	65	34	8.2	19.0	
3.	Near Guest House	44	16	6.8	17.4	
4.	Near Cone tank area	61	27	8.0	18.5	8
5.	A.P.P.C.B Limits	100	60	80	80	

PM₁₀ : Particulate Matter (size less than 10 µm)

- : Particulate Matter (size less than 2.5 µm) PM₂₅
- : Sulphur Dioxide so₂
- : Oxides of Nitrogen NOX



Authorised Signatory

tar K. Manohar Technical Manager

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Corporate Address 201 | Kakatiya Homes S.V.S. Temple Street | Labbipet VIJAYAWADA-520 010.

Lab Address #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023

Date: 11-04-2023

STACK MONITORING DATA

Name of the Industry Address

M/s. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A. Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.

Sample Particulars	: Stack	attached to Cement Silo after Bag filter
Date of Monitoring	:	05-04-2023
Time of Monitoring	:	11.45 A.M.
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/sec Flow rate (Nm³/hr) 	:	0.40 0.125 59°C 11.72 4733.89

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 20.6

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Note: All the values are within the limits prescribed by APPCB.



Authorised Signatory K. Manohar **Technical Manager**

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Lab Address

#10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact **(D)** 7092021868 | 9704126787 sdenvirocare@gmail.com



(An NABL ACCREDITED LABORATARY) AN ADVANCED ENVIRONMENTAL POLLUTION MONITORING MANAGEMENT CENTRE



REF: SDEC/RIL/SM/2023

Date: 11-04-2023

STACK MONITORING DATA

Name of the Industry : M/s Address :	s. RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.			
Sample Particulars Date of Monitoring Time of Monitoring	 Stack attached to Fibre bag machine after bag filter 05-04-2023 10.00 A.M. 			
 Stack Diameter (m) Stack cross sectional area (sq m) Flue gas temperature Exit Velocity of flue gases (m/sec Flow rate (Nm³/hr) 	: 0.25 : 0.049 : 56°C): 11.15 : 1781.53			

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 1.26

Note : All the values are within the limits prescribed by APPCB.



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 edenvirocare@gmail.com



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REF.NO: SDEC/RIL/DE/2023

Date: 11-04-2023

TEST REPORT

DUST (FUGITIVE) EMISSION MONITORING DATA

Name of the Industry Address							
Date of Monitoring Ambient Temperature	: 06-04 : 36 °C						
Sl. No Location		PM ₁₀ (μg/m³)	PM _{2.5} (μg/m³)	SO ₂ (μg/m³)	$\frac{NO_{x}}{(\mu g/m^{3})}$		
1. Cement Storage silo a	rea	74	39	8.4	19.6		
2. Fly ash Storage silo as	ea	76	41	8.6	20.0		

- PM : Particulate Matter (Size less than $10 \ \mu m$)
- PM : Particulate Matter (Size less than 2.5 μ m)
- SO^{2.5} : Sulphur Dioxide
- NO : Oxides of Nitrogen



Authorised Signatory

K. Manohar Technical Manager

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REF: SDEC/RIL/NL/2023

Date: 11-04-2023

TEST REPORT

NOISE LEVELS

Name of the Industry Address

: M/s. RAMCO INDUSTRIES LIMITED R.S.No.71, Near U.D.A. Truck Terminal Ibrahimpatnam - 521 456 Krishna (Dt). A.P.

Sample Particulars Date of Monitoring : Noise Levels : 06-04-2023

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S.No	Location	Noise Levels dB(A)			
		Day Time	Night Time		
1.	Near Work Zone Area	70.4	69.8		
2.	Near Pulveriser	70.6	70.0		
3.	Near Main Gate	60.2	56.6		
4.	Near Canteen	59.8	56.2		
5.	Near Scrap Yard	62.4	58.4		

Limiting Standards of A.P.P.C.B.: Day Time =75dB(A), Night Time= 70dB(A)



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Contact



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REF: SDEC/RIL/SM/2023

Date: 11-04-2023

STACK MONITORING DATA

Name of the Industry Address	:	M/s. RAMCO INDUSTRIES LIMITED R.S.No.71,Near U.D.A.Truck Terminal Ibrahimpatnam -521 456 Krishna (Dt). A.P.

:

:

Sample Particulars	
Date of Monitoring	
Time of Monitoring	

: Stack attached to 750 KVA D.G.Set 06-04-2023 3.30 P.M.

1. Stack Diameter (m)	:	0.20
2. Stack cross sectional area (sq m)	:	0.03
3. Flue gas temperature	:	263 °C
4. Exit Velocity of flue gases (m/sec	:):	12.42
5. Flow rate (Nm ³ /hr)	:	745.75

Emission Data (mg/Nm³)

6. Suspended Particulate Matter (mg/Nm³) : 34.8

Note: All the values are within the limits prescribed by APPCB.



Authorised Signatory 10 K. Manohar **Technical Manager**

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Lab Address $\mathbf{\Omega}$ #10-136/19 | BMPS Road Prasadampadu VIJAYAWADA-521 108.

Contact

RAMCO INDUSTRIES LIMITED

Asst General Manager

R.S. No.71, Near Truck Terminal

Ibrahimpatnam-521456

Krishna District, AP

We are giving below the count report of fibre dust samples received from VIJAYAWADA factory for the month of April-'23.

	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (f/cc
1	01.04.2023	Fibre Godown	S	1000	120	11	0.048
2	01.04.2023	Fibre mill	Р	1000	120	9	0.040
3	01.04.2023	Slurry Mixer	Р	1000	120	13	0.057
4	03.04.2023	Sheet Machine	S	1000	120	11	0.048
5	04.04.2023	Moulding	Р	1000	120	10	0.044
6	02.04.2023	Corrugator	S	1000	120	8	0.035
7	02.04.2023	Loading area	Р	1000	120	9	0.040
8	03.04.2023	QC Laboratory	Р	1000	120	6	0.026
9	03.04.2023	Pulverizer	S	1000	120	8	0.035
10	04.04.2023	Salvage Machine	Р	1000	120	7	0.031

Remarks:-

1

Sample duration to be 240 minutes in further samples.

Hard copy of report along with sample boxes will be sent through courier



Date:17.04.2023

*P-Personal

*S-Static

Un able to process

SENIOR QUALITY MANAGER

Ramco Industries Limited Ibrahimpatnam, Krishna District.

AIR AMBIENT QUALITY MONITORING FOR THE MONTH OF APRIL 2023

Date	Near Security gate		Near Admin Building		Near Cone Tank Area	
Date	PM10	PM 2.5	PM10	PM 2.5	PM10	PM 2.5
01-04-2023	69	29	48	27	60	26
02-04-2023	72	31	47	. 29	53	27
03-04-2023	68	26	46	33	68	33
04-04-2023	72	29	43	27	51	27
05-04-2023	70	33	45	30	59	28
06-04-2023	68	27	41	29	48	31
07-04-2023	69	30	46	27	48	27
08-04-2023	70	29	43	30	57	31
09-04-2023	63	26	50	27	51	22
10-04-2023	71	28	48	31	59	31
11-04-2023	70	31	49	27	48	27
12-04-2023	67	26	56	30	48	30
13-04-2023	70	29	40	31	51	26
14-04-2023	60	33	52	27	59	31
15-04-2023	66	27	40	20	57	20
16-04-2023	72	28	48	31	63	19
17-04-2023	70	31	45	23	56	23
18-04-2023	66	26	43	20	57	20
19-04-2023	72	29	52	19	61	22
20-04-2023	70	31	49	22	53	22
21-04-2023	72	26	56	29	57	29
22-04-2023	70	29	40	25	61	33
23-04-2023	68	33	56	27	47	27
24-04-2023	68	26	41	26	56	33
25-04-2023	72	30	45	· 26	57	26
26-04-2023	65	31	43	29	61	23
27-04-2023	69	26	50	29	53	33
28-04-2023	70	29	48	18	61	24
29-04-2023	67	31	49	28	53	28
30-04-2023	68	35	46	20	57	29

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l Senthil Asst. Manager - Quality

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