VISAKA INDUSTRIES LIMITED®

CIN : L52520TG1981PLC003072

FACTORY : Mouza-Changsole, Bankibandh, G.P. No. 4, Post.-Saiyedpur, P.S.-Salboni,
District- West Midnapore-721147 (W.B.), TEL : +91-8170064041 / 42

To,
The Chief Conservator of Forest
Ministry of Environment & Forests.
Regional Office (Eastern Zone)
A-3 Chandrasheharpur.
Bhubaneswar - 751023.

Dt:- 27/07/23

Sub :-Half Yearly Compliance Report for the period of Oct-22 to Mar-23

Ref:- Approval letter no. J-11011/3/2004-IAII(1) dated 24-02-2006

Dear Sir,

Enclose please find hard copy of the half- yearly compliance report from Oct-22 to mar-23 with copies of all test certificates, A soft copy of compliance report is being forwarded by e-mail.

Yours faithfully

For Visaka Industries Ltd.

Biplab Banerjee
(Asst. Works Manager)

Visaka Industries Limited
AC DIVISION-IV SALBONI, MIDNAPUR(W), WEST BENGAL

VISAKA

List of Attachment Details of Compliance report (Hard copy)
1. Copies of Ambient Air Monitoring
2. Monitorning of PM2.5 for all AAQ monitorning station
3. Copies of Stack Emission
4. Copies of Personal Samples
5. Asbestos sheet production with Asbestos fibre consumption details.
6. All Employees Medical Report
7. Green Belt Development Report
8 Environemntal statement from Oct-22 to Mar-23. (Cost)
9. Environment monitorning equipment & control equipment details.
10. Details of Environmental Monitorning Cell (EMC)
11. Bore well Authorization certificate details.
12. Drinking water Test report.
13. Hazardous waste Authorization certificate.
14. NOC of consent to operate.

For **visaka Industries Limited**

Biplab Banerjee
(Asst. Works Manager)

For VISAKA INDUSTRIES LTD.

Biplab Banerjee
(Asst. Works Manager)

VISAKA INDUSTRIES LIMITED.
AC DIVISION - III.
SALBONI # MIDNAPORE (W).

SIX MONTHLY COMPLIANCE REPORT
FOR THE PERIOD
OCTOBER-2022 TO MARCH-2023

SIX MONTHLY COMPLIANCE REPORT FOR THE PERIOD OCTOBER - 2022 TO MARCH -2023

Ref: Approval letter no J-11011/3/2004-IAII(1) dated 24-02-2006.

A. SPECIFIC CONDITIONS:

	Conditions	Compliance Status
i.	The project proponent shall adhere to the prescribed BIS standards and laws regarding use and handling of asbestos, safety of employees' etc. Raw materials like asbestos fibre and cement should be transported in closed containers. Asbestos fibre shall be brought in a palletized form, in impermeable bags and under compressed condition.	We strictly adhere to the prescribed BIS standards and laws regarding use and handling of asbestos, safety of employees etc. Raw material like asbestos fibre will be always transported in closed containers. Asbestos fibre will be always brought in palletized form, in Impermeable bags and under compressed conditions.
ii	Central Labour Institute in their reports on the study "Airborne levels of Asbestos fibre in the work environment" has recommended seven conditions. These conditions shall be complied in toto.	All the conditions as advised by CLI in their report regarding the study of air-borne levels of asbestos fibre in the work environment is being complied in toto.
iii	There shall be no manual handling / opening of asbestos fibre bags. The company shall install fully automatic asbestos fibre debagging system before commissioning the unit.	We assure you that we will not handle/open asbestos fiber bag manually. Bag opening is being done through fully automatic debagging system installed well before the commissioning of the plant.
iv.	Fugitive emissions generated from hopper of Jaw crusher and Pulverizer shall be channelized through hood with proper suction arrangement, bag filter and stack.	We are not using Jaw crusher and pulveriser. The recycling of hard waste (broken pieces) is done in slurry form through Wet Ball Mills.
v.	The company shall comply with total dust emission limit of 2mg/Nm^3 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. Further, in the work zone area the fibre count should not exceed 0.1 fibre/cc.	Our emission levels are well below the limits, prescribed by the MOEF in respect of total dust from Fibre stack (max 2 mg/NM^3), Fibre count not exceeding 0.2 fibre/cc & work zone fibre count not exceeding 0.1fibre/cc. For this we have installed Bag Filter type Dust collector attached to the Fiber Mill and Bag Opening Device combined. Adequate care has been taken to ensure that process emission, discharge of asbestos fiber & fiber count in work zone are with in the prescribed limit. A monitoring report is enclosed
vi.	Bags containing asbestos fibre shall be stored in a enclosed area to avoid fugitive emission of asbestos fibre from damaged bags, if any.	Bags containing asbestos, fiber are stored in enclosed separate godown.
vii	Better house keeping practices shall be adopted for improvement of the environment within the work environment. These include:-	We are always maintaining the environmental work zone neat & clean . A good house keeping practice adopted by maintaining the following points. (a) All the transfer points involving dry

	(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.	asbestos, cement and fly ash have been connected to the Dust Extraction system. (b) Leakages in the machine have been plugged. © The floor of RM section is being cleaned by using vacuum cleaner and/or wet mopping, collection and recycling method. (d) The asbestos fibre bags are transported to our plant in a closed container and are always brought in Palletized form, in Impermeable bags and packed under compressed conditions and are stored in fibre godown.These Palletized bags are transferred to BOD area by Forklift in as it is condition. Thus avoiding manual handling. Covered Slant conveyors are used to convey the fibre bags into the Bag Opening Device (BOD).
viii	Regular measurement of pollutants (SPM, asbestos fibre count) in the work zone area and stack (s) shall be undertaken by setting up a dedicated laboratory. In addition, the asbestos fibre count in the work zone area should be got monitored by an Independent Monitoring Agency like NIOH, ITRC/NCB etc on a six-monthly basis. The monitoring data should be submitted to the State Pollution Control Board once in a three month and to this Ministry every six months.	An Environmental Laboratory is already available at the site which monitors the required parameters. The asbestos fibre count in the work zone area is being monitored on a monthly basis. By using Envirotech air samplers, air samples are collected at various locations and the sample heads after proper sealing is sent to our Central ENV Laboratory which is stationed at our Paramathi (near Salem, TN) unit. We have already done fibre dust sample by CLI(Mumbai) & RLI (Kolkata). We also getting quotation from IITR,Lucknow (MOEF approved/reputed Laboratories.) for the asbestos fibre count in our work zone area. We will carry out fibre analysis from the above said labs very soon.
ix.	As reflected in the Environment Management Plan , there shall be no discharge of process effluent. The entire process effluent shall be reused / recycled in the manufacturing process. The domestic waste water shall be adequately treated in a sewage treatment plant and used or green belt development.	No process effluent is discharged outside the plant premises. 100% is recycled to the process. The domestic waste water is let-out into a Septic tank and thereon to the soak pit.
x	The company shall ensure that the entire solid waste generated including process rejects, dust from bag filters and empty asbestos bag shall be recycled in the manufacturing process. The disposal facilities for asbestos waste shall be accordance with the bureau of Indian Standard Code.	The entire solid wastes generated including process rejects, dust from bag filters and empty asbestos bags are recycled to the manufacturing process. No waste is being disposed off.

xi	The cut and damaged fibre bags shall immediately be repaired. Pilling of AC pressure pipes shall be done in wet condition only.	The cut and damaged fibre bags are immediately repaired.
xii	Proper house keeping shall be maintained within the plant premises. Process machinery, exhaust and ventilation system will be laid in accordance with Factories Act.	Proper house keeping is being maintained. All machineries , exhausts & ventilation system has been laid in accordance with Factories Act. For better exhaust & ventilation we have installed series of radial exhaust / roof extractor.
xiii	Regular medical examination of workers and health monitoring of the employees shall be carried out and record maintained up to minimum 40 years from the beginning of the employment or 15 years after retirement or cessation of employment whichever is lower. A competent occupational health physician should be appointed to carry out the medical surveillance. The occupational health monitoring must be strengthened to include periodic (Six months) sputum test along with pulmonary test supplemented by X-Ray test annually. The company should also provide medical and health care facilities at the work place and if cases of asbestosis are detected, necessary compensation shall be arranged under the existing laws.	Regular medical examination and health monitoring of employees is being carried out and record upto a minimum of 40 years from the beginning of employment or 15 years after retirement or cessation of employment which ever is lower is being maintained. A competent Occupational health physician has been carrying out the surveillance. The Occupational health monitoring includes periodic sputum test along with pulmonary test supplemented by X ray test. We have also provided medical and health care facilities at the work place.
xiv.	To educate the workers, all the work places where asbestos dust may cause a hazard shall be clearly indicated as an dust exposure area through the use of display sign which identifies the hazard and the associated health effects.	We have clearly earmarked the dust exposure area through the use of display signs which identifies the hazards and the associated health effects in all the work places where asbestos dust is handled.
xv.	The company shall also undertake water-harvesting measures and plan of action should be submitted to Ministry of Environment and Forests within three months.	We have already done rain water harvesting systems at our site. A complete layout drawing have been submitted earlier.
xvi.	As reflected in the filled in questionnaire, 16 acres of the project area shall be developed as green belt with local species in consultation with DFO as per CPCB guidelines.	The green belt is continuously being developed. We have already planted 15,950 no's saplings around the plant boundary. Some of the varieties are- Arjun,Gulmohar,Kaiji,Kassia,Seesam,Neem, Ukaliptus,Amala,Bottle Brush,Mango,Kadamb,Pakad,Goba,Bale,Chandani.
xvii.	The workers should not be exposed in asbestos processing zone continuously. This should be done by rotation. Also each worker should provided with two cubicles – one for keeping	We ensure that workers working in asbestos processing zone are not working continuously but are put in rotation. We have also provided Individual's cubicles to all workers.

	the factory dress and other for outside dress. Factory dress should not be carried outside. Washing of factory dress to be done inside the factory premises and such wash water to be recycled through settling tank.	

B. GENERAL CONDITIONS:

	Conditions	Compliance Status
i.	The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board and the State Government.	We are strictly adhering to the stipulations made by the West Bengal Pollution control Board and the state government, West Bengal.
ii	No further expansion / modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	We confirm that we shall not take any modification or expansion in the plant with out prior permission of MOEF.
iii.	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous waste in accordance with the Hazardous Wastes (Management & Handling) Rules, 2003	We will strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with Hazardous Wastes (management & handling) rules 2003.
iv.	The project proponent shall comply with safeguards recommended in the EIA/EMP Report.	We confirm that we comply with all the recommendations and safe guards as recommended in the EIA/EMP report.
v.	The project authorities will set-up a separate environmental management cell for effective implementation of all the above stipulations under control of Sr. Executive.	We have already setup a separate environmental cell consisting of Well qualified Sr.executive, HOD and competent chemist. To ensure all the Rules & conditions are effectively implemented.
vi.	The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the Ministry Of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The fund so provided shall not be diverted for any other purposes.	We have provided adequate funds both recurring and non-recurring to implement the conditions stipulated by MOEF as well as state government. The fund so provided is not being diverted for any other purposes.
vii.	The Regional Office of this Ministry at Bhubaneswar / Central Pollution Control Board / State Pollution Control Board will monitor the stipulated conditions. A six monthly compliance status report and the monitored data	We are regularly submitting a quarterly & half yearly compliance status report along with all the monitoring data's to WBPCB & MOEF respectively.

	along with statistical interpretation shall be submitted to them regularly.	
viii.	The project proponent shall inform the public that the project has been accorded environmental clearance by the ministry & copies of the clearance letter are available with the state pollution control board / committee & may also be seen at website of the ministry of environment & forests at http:/envfro.nic.in. This should 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 & a copy of the same shall be forwarded to the regional office .	We confirm that we have informed the public through advertisement in "The Medinipur Times" a leading daily news paper (Bengali) that the Visaka Industries Ltd has been accorded environmental clearance by the ministry & copies of the clearance letter are available with the State Pollution Control Board / Committee & may also be seen at website of the ministry of environment & forests at http:/envfro.nic.in.

For **visaka Industries Limited**

Biplab Banerjee
(Asst. Works Manager)

For VISAKA INDUSTRIES LTD.

Biplab Banerjee
(Asst. Works Manager)

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

TEST REPORT

Date: 08.07.2022	:	Report No: ICI/HL/A/RN-574/2022	Format No: ICI/FM/TR/61		
Customer Name	:	M/s. VISAKA INDUSTRIES LTD.	Sample ID No	:	2022/AC-574
Address	:	Mouza - Changsole, Vill + P.O. – Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date	:	29/06/2022 to 30/06/2022
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. 8170064044	Analysis Start Date	:	04.07.2022
			Analysis complete Date	:	07.07.2022
#Work Order No.		39640 Dtd. 02.06.2022			
#Sample Description	:	AMBIENT AIR			
#Location	:	IN BETWEEN WEIGH BRIDGE & RAW MATERIALS GODOWN			
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle. Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle			
Sampling Method	:	CPCB, Emission Regulation (Part III) / Air Sampling & Analysis 3rd Edition. CPCB Guideline (Vol. – I)			
Test Specification	:	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18thNovember'2009			

Sl. No.	Parameters -	Unit	SAMPLING TIME			24 Hours Average	Test Method
			10:30 AM to 06:30 PM	06:45 PM to 02:45 AM	03:00 AM to 11:00 AM		
			RESULT				
1.	Respirable Particulate Matter (PM_{10})	µg / m³	75.10	93.20	84.14	84.15	IS 5182 (Part – 23) 2006 (RA 2017)
2.	Respirable Particulate Matter ($PM_{2.5}$)	µg / m³	26.47	35.85	28.43	30.25	IS 5182 (Part – 24) 2019
3.	Sulphur Dioxide (SO_2)	µg / m³	10.16	15.23	11.17	12.19	IS 5182 (Part – 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (NO_2)	µg / m³	32.66	36.19	33.54	34.13	IS 5182 (Part – 6) 2006 (RA 2017)
5.	Lead (Pb)	µg / m³	BDL	BDL	BDL	BDL	Guidelines for Measurement of ambient air pollutant (Vol-1) NAAQMS/36/2012-13 Atomic AAS Method
6.	Benzene (C_6H_6)	µg / m³	BDL	BDL	BDL	BDL	IS 5182 (Part – 11) 2006 (RA 2017)
7.	Ammonia (NH_3)	µg / m³	BDL	BDL	BDL	BDL	Method of Air Sampling & Analysis 3rd Edition 1988 Method No. 408
8.	Ozone (O_3)	µg / m³	40.1	-	-	40.1	Guidelines for Measurement of ambient air pollutant (Vol-1) NAAQMS /36/2012-13 (Chemical Method)
9.	Carbon Monooxide (CO)	mg / m³	0.2671	0.2937	0.3247	0.2952	Non-Dispersive Infrared Spectrometry Method
10.	Benzo(a)Pyrene (BaP)	ng / m³	BDL	BDL	BDL	BDL	IS 5182 (Part – 12) 2004 (RA 2019)
11.	Arsenic (As)	ng / m³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
12.	Nickel (Ni)	ng / m³	BDL	BDL	BDL	BDL	Atomic Absorption Spectrophotometric Method
13.	Ambient Temperature (Average)	℃	34.0	29.0	29.0	31.0	Hydrometer

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

PM_{10}= 100 µg/m³, $PM_{2.5}$=60 µg/m³, SO_2=80 µg/m³, NO_2=80 µg/m³, Lead=1.0 µg/m³, Ammonia=400 µg/m³, 24 hours basis. Carbon monoxide = 2 mg/m³, Ozone =100µg/m³ 8hours basis. Benzene=5 µg/m³, Benzopyrene=1 ng/m³, Arsenic =6 ng/m³, Nickel=20ng/m³, Annual basis. For Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

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

Prepared By: A. Mondal

Checked By: A. Patra

For INDICATIVE CONSULTANT INDIA

Debasish Haldar
(Technical Manager)
Signatory Authority

INDICATIVE CONSULTANT INDIA · HALDIA · Consultant Surveyor & Regd. Test House

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

Estimated Uncertainty: Not Required

Note:

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

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INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE) ISO 9001:2015 ISO 45001:2018

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

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TEST REPORT

Date: 03.12.2022	:	Report No: ICI-HLA/PTC-863/2022	Format No: ICI/FM/H/62		
Customer Name	:	M/s. VISAKA INDUSTRIES LTD.	Sample ID No	:	2022/PA-863
Address	:	Mouza - Changsole, Vill + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date	:	29.11.2022
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170064044	Analysis Start Date	:	02.12.2022
			Analysis complete Date	:	02.12.2022
#Service Order No.	:	40560 Dtd 17-NOV-22			
#Sample Description	:	AMBIENT AIR			
#Location	:	AMBIENT AIR MONITORING STATION NO. – 1 (L_1)			
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle			
Sampling Method	:	CPCB, Emission Regulation (Part III)			
Test Specification	:	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November'2009			

Sl. No.	Parameters	Unit	SAMPLING TIME 10:30 AM to 06:30 PM RESULT	Test Method
1.	Suspended Particulate Matter (SPM)	($\mu g / m^3$)	287.18	IS 5182 (Part – 4): 1999 (RA 2019)
2.	Respirable Particulate Matter (RPM/PM_{10})	($\mu g / m^3$)	91.42	IS 5182 (Part – 23): 2006 (RA 2017)
3.	Sulphur Dioxide (SO_2)	($\mu g / m^3$)	16.54	IS 5182 (Part – 2): 2001 (RA 2017)
4.	Oxides of Nitrogen (NO_2)	($\mu g / m^3$)	36.33	IS 5182 (Part – 6): 2006 (RA 2017)
5.	Ambient Temperature (Average)	°C	26.0	Hygrometer

Limit: ($\mu g / m^3$) Ambient Air Quality standard (National)

SPM = No Limit, RPM/PM_{10} = 100 $\mu g/m^3$, SO_2=80 $\mu g/m^3$, NO_2=80 $\mu g/m^3$, 24 hours basis (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

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

Prepared By: P. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Note:
1. # Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India.
3. Sample submitted and identified by customer as: NA
4. Test results shown in this test report relate only to the sample (s) only.
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. The reproduction of the report except in full is invalid without written approval of the laboratory.
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
8. Retention period of tested samples (Filter Paper) is 180 days & filter paper no. F-041 from the date of issue of test report unless otherwise specified.
9. Location of Testing: Haldia Laboratory

End of Report

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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TEST REPORT

Date: 03.12.2022	:	Report No: ICI/HL/A/PTC-864/2022	Format No: ICI/FM/H/62		
Customer Name	:	M/s. VISAKA INDUSTRIES LTD.	Sample ID No	:	2022/PA-864
Address	:	Mouza - Changsole, Vill + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date	:	29.11.2022
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170064044	Analysis Start Date	:	02.12.2022
			Analysis complete Date	:	02.12.2022
#Service Order No.	:	40560 Dtd. 17-NOV-22			
#Sample Description	:	AMBIENT AIR			
#Location	:	AMBIENT AIR MONITORING STATION NO. – 2 (L_2)			
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle			
Sampling Method	:	CPCB, Emission Regulation (Part III)			
Test Specification	:	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November'2009			

Sl. No.	Parameters	Unit	SAMPLING TIME: 10:45 AM to 06:45 PM RESULT	Test Method
1	Suspended Particulate Matter (SPM)	($\mu g / m^3$)	301.27	IS 5182 (Part – 4):1999 (RA 2019)
2	Respirable Particulate Matter (RPM/PM_{10})	($\mu g / m^3$)	94.75	IS 5182 (Part – 23):2006 (RA 2017)
3	Sulphur Dioxide (SO_2)	($\mu g / m^3$)	17.58	IS 5182 (Part – 2):2001 (RA 2017)
4	Oxides of Nitrogen (NO_2)	($\mu g / m^3$)	39.06	IS 5182 (Part – 6):2006 (RA 2017)
5	Ambient Temperature (Average)	°C	26.0	Hygrometer

Limit: ($\mu g / m^3$) Ambient Air Quality standard (National)

SPM = No Limit, RPM/PM_{10} = 100 $\mu g/m^3$, SO_2=80 $\mu g/m^3$, NO_2=80 $\mu g/m^3$, 24 hours basis (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

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

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Note:
1. # Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India.
3. Sample submitted and identified by customer as: NA
4. Test results shown in this test report relate only to the sample (s) only.
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. The reproduction of the report except in full is invalid without written approval of the laboratory.
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
8. Retention period of tested samples (Filter Paper) is 180 days & filter paper no. F-040 from the date of issue of test report unless otherwise specified.
9. Location of Testing: **Haldia Laboratory**

End of Report

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

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TEST REPORT

Date: 03.12.2022	:	**Report No: ICI/HL/A/PTC-862/2022**	**Format No: ICI/FM/H/62**		
Customer Name	:	**M/s. VISAKA INDUSTRIES LTD.**	**Sample ID No**	:	**2022/PA-862**
Address	:	Mouza - Changsole, Vill + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	**Sampling Date**	:	29.11.2022
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170064044	**Analysis Start Date**	:	02.12.2022
#Service Order No.	:	40560 Dtd. 17-NOV-22	**Analysis complete Date**	:	02.12.2022
#Sample Description	:	**AMBIENT AIR**			
#Location	:	**AMBIENT AIR MONITORING STATION NO. – 3 (L_3)**			
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle			
Sampling Method	:	CPCB, Emission Regulation (Part III)			
Test Specification	:	**National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November'2009**			

Sl. No.	Parameters	Unit	SAMPLING TIME 11:00 AM to 07:00 PM RESULT	Test Method
1.	Suspended Particulate Matter (SPM)	($\mu g / m^3$)	**270.38**	IS 5182 (Part – 4):1999 (RA 2019)
2.	Respirable Particulate Matter (RPM/PM_{10})	($\mu g / m^3$)	**88.29**	IS 5182 (Part – 23):2006 (RA 2017)
3.	Sulphur Dioxide (SO_2)	($\mu g / m^3$)	**15.51**	IS 5182 (Part – 2):2001 (RA 2017)
4.	Oxides of Nitrogen (NO_2)	($\mu g / m^3$)	**37.24**	IS 5182 (Part – 6):2006 (RA 2017)
5.	Ambient Temperature (Average)	°C	**26.0**	Hygrometer

Limit: ($\mu g / m^3$) Ambient Air Quality standard (National)

SPM = No Limit, RPM/PM_{10} = 100 $\mu g/m^3$, SO_2=80 $\mu g/m^3$, NO_2=80 $\mu g/m^3$, 24 hours basis (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

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

Prepared By: N. Mondal

Checked By: A. Patra

For. **INDICATIVE CONSULTANT INDIA**

Parbati Goltui
(Quality Manager)
Signatory Authority

Parbati Goltui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Note:
1. *# Information provided by customer*
2. *Sample is drawn by M/s. Indicative Consultant India*
3. *Sample submitted and identified by customer as NA*
4. *Test results shown in this test report relate only to the sample (s) tested.*
5. *The test results referred in test report are based on observations & measurements under the stated environmental conditions.*
6. *The reproduction of the report except in full is invalid without written approval of the laboratory.*
7. *Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.*
8. *Retention period of tested samples (Filter Paper) is 180 days & filter paper no. F-042 from the date of issue of test report unless otherwise specified.*
9. *Location of Testing: **Haldia Laboratory***

End of Report

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

Towards Sustainable Growth

TEST REPORT

Date: 25.02.2023	:	Report No: ICI/HL/A/PTC-100/2023	Format No: ICI/FM/H 62		
Customer Name	:	M/s. VISAKA INDUSTRIES LTD.	Sample ID No	:	2023/PA-100
Address	:	Mouza: - Changsole, Vill + P.O. – Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date	:	21.02.2023
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170064044	Analysis Start Date	:	24.02.2023
			Analysis complete Date	:	24.02.2023
#Service Order No.	:	41092 Dtd. 10.02.2023			
#Sample Description	:	AMBIENT AIR			
#Location	:	AMBIENT AIR MONITORING STATION NO. – 1 (L_1)			
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle			
Sampling Method	:	CPCB, Emission Regulation (Part III)			
Test Specification	:	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November'2009			

Sl. No.	Parameters	Unit	SAMPLING TIME 10:15 AM to 06:15 PM RESULT	Test Method
1	Suspended Particulate Matter (SPM)	(µg / m³)	297.41	IS 5182 (Part – 4) 1999 (RA 2019)
2	Respirable Particulate Matter (RPM/PM_{10})	(µg / m³)	87.46	IS 5182 (Part – 23) 2006 (RA 2017)
3	Sulphur Dioxide (SO_2)	(µg / m³)	18.62	IS 5182 (Part – 2) 2001 (RA 2017)
4	Oxides of Nitrogen (NO_x)	(µg / m³)	37.43	IS 5182 (Part – 6) 2006 (RA 2017)
5	Ambient Temperature (Average)	°C	32.0	Hygrometer

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

SPM = No Limit, RPM/PM_{10} = 100 µg/m³, SO_2=80 µg/m³, NO_2=80 µg/m³, 24 hours basis (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

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

For INDICATIVE CONSULTANT INDIA

Prepared By : S. Mondal

Checked By : A. Patra

Partha Golui
(Quality Manager)
Partha Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Note:
1. *Information provided by customer*
2. *Sample is drawn by M/s. Indicative Consultant India*
3. *Sample submitted and identified by customer as: NA*
4. *Test results shown in this test report relate only to the sample (s) only*
5. *The test results referred in test report are based on observations & measurements under the stated environmental conditions*
6. *The reproduction of the report except in full is invalid without written approval of the laboratory*
7. *Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report*
8. *Retention period of tested samples (Filter Papers) is 180 days & filter paper no. F-002 from the date of issue of test report unless otherwise specified*
9. *Location of Testing: Haldia Laboratory*

End of Report

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

Towards Sustainable Growth

TEST REPORT

Date: 25.02.2023	:	Report No: ICI/HL/A/PTC-401/2022	Format No: ICI/EM/H/62		
Customer Name	:	M/s. VISAKA INDUSTRIES LTD.	Sample ID No	:	2023/PA-101
Address	:	Mouza. - Changsole, Vill. + P.O. – Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin. - 721147	Sampling Date	:	21.02.2023
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170064044	Analysis Start Date	:	24.02.2023
			Analysis complete Date	:	24.02.2023
#Service Order No.	:	41092 Dtd. 10.02.2023			
#Sample Description	:	AMBIENT AIR			
#Location	:	AMBIENT AIR MONITORING STATION NO. – 2 (L_2)			
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle			
Sampling Method	:	CPCB, Emission Regulation (Part III)			
Test Specification	:	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November'2009			

Sl. No.	Parameters	Unit	SAMPLING TIME 10:30 AM to 06:30 PM RESULT	Test Method
1.	Suspended Particulate Matter (SPM)	(µg / m³)	312.41	IS 5182 (Part – 4) 1999 (RA 2019)
2.	Respirable Particulate Matter (RPM/PM_{10})	(µg / m³)	90.25	IS 5182 (Part – 23) 2006 (RA 2017)
3.	Sulphur Dioxide (SO_2)	(µg / m³)	18.62	IS 5182 (Part – 2) 2001 (RA 2017)
4.	Oxides of Nitrogen (NO_2)	(µg / m³)	42.91	IS 5182 (Part – 6) 2006 (RA 2017)
5.	Ambient Temperature (Average)	°C	32.0	Hygrometer

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

SPM = No Limit, RPM/PM_{10} = 100 µg/m³, SO_2=80 µg/m³, NO_2=80 µg/m³, 24 hours basis (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

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

For, INDICATIVE CONSULTANT INDIA

Prepared By : A. Mondal

Checked By : A. Patra

(Parbati Golui)
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Note:
1. # Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India
3. Sample submitted and identified by customer as. A4
4. Test results shown in this test report relate only to the sample (s) only.
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions
6. The reproduction of the report except in full is invalid without written approval of the laboratory.
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
8. Retention period of tested samples (Filter Paper) is 180 days & filter paper no. F-003 from the date of issue of test report unless otherwise specified
9. Location of Testing: Haldia Laboratory

End of Report

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

Towards Sustainable Growth

TEST REPORT

Date: 25.02.2023	:	Report No: ICI/HL/A/PTC-102/2022	Format No: ICI/FM/T/62		
Customer Name	:	M/s. VISAKA INDUSTRIES LTD.	Sample ID No	:	2023/PA-102
Address	:	Mouza - Changsole, Vill + P.O – Sayedpur, P.S - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date	:	21.02.2023
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170094044	Analysis Start Date	:	24.02.2023
			Analysis complete Date	:	24.02.2023
#Service Order No.		41092 Dtd. 10.02.2023			
#Sample Description	:	AMBIENT AIR			
#Location	:	AMBIENT AIR MONITORING STATION NO. – 3 (L_3)			
Sample Condition	:	In Glass Microfibre Filter Paper & Plastic Bottle			
Sampling Method	:	CPCB, Emission Regulation (Part III)			
Test Specification	:	National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18th November'2009			

Sl. No.	Parameters	Unit	SAMPLING TIME 10:45 AM to 06:45 PM RESULT	Test Method
1	Suspended Particulate Matter (SPM)	($\mu g / m^3$)	281.36	IS 5182 (Part – 4) 1999 (RA 2019)
2	Respirable Particulate Matter (RPM/PM_{10})	($\mu g / m^3$)	79.60	IS 5182 (Part – 23) 2006 (RA 2017)
3	Sulphur Dioxide (SO_2)	($\mu g / m^3$)	17.59	IS 5182 (Part – 2) 2001 (RA 2017)
4	Oxides of Nitrogen (NO_2)	($\mu g / m^3$)	40.17	IS 5182 (Part – 6) 2006 (RA 2017)
5	Ambient Temperature (Average)	°C	32.0	Hygrometer

Limit: ($\mu g / m^3$) Ambient Air Quality standard (National)

SPM = No Limit, RPM/PM_{10} = 100 $\mu g/m^3$, SO_2=80 $\mu g/m^3$, NO_2=80 $\mu g/m^3$, 24 hours basis (Industrial, Residential, Rural, Ecologically Sensitive Area & Other Area)

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

For, INDICATIVE CONSULTANT INDIA

Prepared By : A. Mondal

Checked By : A. Patra

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Note:
1. *= Information provided by customer*
2. *Sample is drawn by M/s. Indicative Consultant India*
3. *Sample submitted and identified by customer as : NA*
4. *Test results shown in this test report relate only to the sample (s) only.*
5. *The test results referred in test report are based on observations & measurements under the stated environmental conditions.*
6. *The reproduction of the report except in full is invalid without written approval of the laboratory.*
7. *Once issued, the test report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.*
8. *Retention period of tested samples (Filter Paper) is 180 days & filter paper no. 1-001 from the date of issue of test report unless otherwise specified.*
9. *Location of Testing: Haldia Laboratory*

End of Report

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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

ISO 9001:2015 ISO 45001:2018

Towards Sustainable Growth

TEST REPORT

Date: 25.02.2023	Report No: ICI/HL/A/PTC-098/2023	Format No: ICI/FM/H/58	
Customer Name	M/s. VISAKA INDUSTRIES LTD.	Sample ID No	2023/PA-098
Address	Mouza: - Changsole, Vill + P.O. – Sayedpur, P.S. - Salboni, PaschimMedinipur. Pin - 721147	Sampling Date	21.02.2023
#Customer Representative Name & Contact Number	Mr. Sunil Chanda Mob. No +91-8170064044	Sampling Time	12.05 PM
		Analysis Start Date	24.02.2023
#Service Order No.	41092 Dtd 10.02.2023	Analysis complete Date	24.02.2023
#Sample Description	STACK AIR		
#Location	FLY ASH SLURRY PREPARATION TANK		
Sample Condition	In Glass Microfiber Thimble		
Sampling Method	CPCB, Emission Regulation (Part III)		

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			
Stack attached to	FLY ASH SLURRY PREPARATION TANK	Shape of Stack	Circular
Emission due to	Process Activity	Material of Construction	M.S.
Fuel Used	-	Stack ID at sampling point (M)	
Rated Fuel Consumption	-	At Bottom (M)	0.50
Working Fuel Consumption	-	At Top (M)	-
Calorific Value(Kcal/kg)	-	**Height Details** :	9.30
Sulphur Content (% by Wt)		a) Total Ht. Of stack from GL(M)	15.0
Ash Content (% by Wt.)	-	b) Total Ht. Of stack from RL(M)	-
Pollution Control Device	: Bag Filter	c) Ht. of sampling port from GL(M)	4.80
Whether Stack is provided with permanent Platform / Ladder Yes		d) Ht. of port from disturbance zone (M)	2.20

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	38	**Steam Generation Capacity :**	
Barometric Pressure,(mm Hg)	755	a) Rated	-
Velocity of Gas flow (m/s)	8.00	b) Running	-
Quantity of Gas flow (Nm^3/hr)	1938.78	Load a) Rated	-
Pressure	-	b) Running	70 TPD

C.] RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01	Particulate Matter (mg/Nm^3)	:	1.6	IS 11255 (Part-1) 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO_2 (V/V) - (mg/Nm^3)	:	-	
03	Carbon mono oxide (as CO)- % (V/V)	:	<0.2	IS 13270 1992 (RA 2019)
04	Carbon di oxide (as CO_2)-% (V/V)	:	<0.2	IS 13270 1992 (RA 2019)

Prepared By : K. Mondal

Checked By : A. Patra

For, **INDICATIVE CONSULTANT INDIA**

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Note:
1. # Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India.
3. Sample submitted and identified by customer as: NA
4. Test results shown in this test report relate only to the sample (s) only.
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. The reproduction of the report except in full is invalid without written approval of the laboratory.
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
8. Retention period of tested samples (Thumbles) is 180 days & numbles no. 7,45 from the date of issue unless otherwise specified.
9. Location of Testing: **Haldia Laboratory**

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

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

Towards Sustainable Growth

TEST REPORT

Date: 25.02.2023		**Report No: ICI/HL/A/PTC-097/2023**		**Format No: ICI/FM/H/58**	
Customer Name	:	**M/s. VISAKA INDUSTRIES LTD.**		**Sample ID No**	**2023/PA-097**
Address	:	Mouza - Changsole, Vill. + P.O. – Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147		**Sampling Date**	21.02.2023
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170064044		**Sampling Time**	11.05 AM
				Analysis Start Date	24.02.2023
				Analysis complete Date	24.02.2023
#Service Order No.	:	41092 Dtd 10.02.2023			
#Sample Description	:	**STACK AIR**			
#Location	:	**CEMENT MIXTURE TANK**			
Sample Condition	:	In Glass Microfiber Thimble			
Sampling Method	:	CPCB, Emission Regulation (Part III)			

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			
Stack attached to	CEMENT MIXTURE TANK	Shape of Stack	Circular
		Material of Construction	M.S.
Emission due to	Process Activity		
Fuel Used	-	Stack ID at sampling point (M)	0.30
Rated Fuel Consumption	-	At Bottom (M)	-
Working Fuel Consumption	-	At Top (M)	0.30
Calorific Value(Kcal/kg)	-	**Height Details :**	
		a) Total Ht. Of stack from GL (M)	15.0
Sulpher Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt.)	-	c) Ht. of sampling port from GL(M)	4.20
		d) Ht. of port from disturbance zone (M)	2.70
Pollution Control Device	: **Bag Filter**		
Whether Stack is provided with permanent Platform / Ladder	**Yes**		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 37	**Steam Generation Capacity :**		
Barometric Pressure (mm Hg)	: 755	a) Rated	:	-
Velocity of Gas flow (m/s)	: 8.75	b) Running	:	-
Quantity of Gas flow (Nm^3/hr)	: 2127.79	**Load** a) Rated	:	-
Pressure	: -	b) Running	:	**100 TPD**

C.] RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01	Particulate Matter (mg/Nm^3)	:	**1.4**	IS 11255 (Part -1) 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO_2 (V/V) - (mg/Nm^3)	:	-	
03	Carbon mono oxide (as CO)- % (V/V)	:	**<0.2**	IS 13270 1992 (RA 2019)
04	Carbon di oxide (as CO_2)-% (V/V)	:	**<0.2**	IS 13270 1992 (RA 2019)

Prepared By: K. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Note: 1 = Information provided by customer
2 Sample is drawn by M/s. Indicative Consultant India
3 Sample submitted and identified by customer as: N4
4 Test results shown in this test report relate only to the sample (s) only
5 The test results referred in test report are based on observations & measurements under the stated environmental conditions
6 The reproduction of the report except in full is invalid without written approval of the laboratory
7 Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report
8 Retention period of tested samples (Thimbles) is 180 days & Quantity for 1(all) from the date of issue unless otherwise specified
9 Location of Testing: **Haldia Laboratory**

End of Report

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

Towards Sustainable Growth

TEST REPORT

Date: 03.12.2022	Report No: ICI/HL/A/PTC-859/2022	Format No: ICI/FM/H/58	
Customer Name	M/s. VISAKA INDUSTRIES LTD.	Sample ID No	2022/PA-859
Address	Mouza - Changsole, Vill. - P.O. - Sayedpur, P.S. - Salboni, PaschimMedinipur. Pin - 721147	Sampling Date	29.11.2022
#Customer Representative Name & Contact Number	Mr. Sunil Chanda Mob. No. +91-8170064044	Sampling Time	10:30 AM
		Analysis Start Date	02.12.2022
#Service Order No.	40560 Dtd. 17-NOV-22	Analysis complete Date	02.12.2022
#Sample Description	STACK AIR		
#Location	FLY ASH SLURRY PREPARATION TANK		
Sample Condition	In Glass Microfiber Thimble		
Sampling Method	CPCB, Emission Regulation (Part III)		

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			
Stack attached to	FLY ASH SLURRY PREPARATION TANK	Shape of Stack	Circular
Emission due to	Process Activity	Material of Construction	M.S
Fuel Used	-	Stack ID at sampling point (M)	0.30
Rated Fuel Consumption	-	At Bottom (M)	
Working Fuel Consumption	-	At Top (M)	0.30
Calorific Value(Kcal/kg)	-	Height Details :	
		a) Total Ht. Of stack from GL(M)	15.0
Sulpher Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt.)	-	c) Ht. of sampling port from GL(M)	4.80
		d) Ht. of port from disturbance zone (M)	2.20
Pollution Control Device : Bag Filter			
Whether Stack is provided with permanent Platform / Ladder Yes			

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	36	Steam Generation Capacity :	
Barometric Pressure (mm Hg)	755	a) Rated	-
Velocity of Gas flow (m/s)	8.59	b) Running	-
Quantity of Gas flow (Nm^3/hr)	2095.85	Load a) Rated	-
Pressure	-	b) Running	-

C.] RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01	Particulate Matter (mg/Nm^3)	:	1.4	IS 11255 (Part -1) 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO_2 (V/V) - (mg/Nm^3)	:	-	
03	Carbon mono oxide (as CO)- % (V/V)	:	<0.2	IS 13270:1992 (RA 2019)
04	Carbon di oxide (as CO_2)-% (V/V)	:	<0.2	IS 13270:1992 (RA 2019)

Prepared By: A. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Note:
1. * Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India.
3. Sample submitted and identified by customer as: NA
4. Test results shown in this test report relate only to the sample (s) only.
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. The reproduction of the report except in full is invalid without written approval of the laboratory.
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. 1-398 from the date of issue unless otherwise specified.
9. Location of Testing: Haldia Laboratory.

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

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

Towards Sustainable Growth

TEST REPORT

Date: 25.02.2023		Report No: ICI/HL/A/PTC -099/2023		Format No: ICI/FM/H/58	
Customer Name	:	M/s. VISAKA INDUSTRIES LTD.	Sample ID No	:	2023/PA-099
Address	:	Mouza - Changsole, Vill - P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date	:	21.02.2023
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170964044	Sampling Time	:	01:05 PM
			Analysis Start Date	:	24.02.2023
#Service Order No.	:	41092 Dtd. 10.02.2023	Analysis complete Date	:	24.02.2023
#Sample Description	:	STACK AIR			
#Location	:	E.R. MILL & AUTOMOTIVE BAG OPENING DEVICE			
Sample Condition	:	In Glass Microfiber Thimble			
Sampling Method	:	CPCB, Emission Regulation (Part III)			

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant

Stack attached to	E.R. MILL & AUTOMOTIVE BAG OPENING DEVICE	Shape of Stack	Circular
		Material of Construction	M.S
Emission due to	Process Activity		
Fuel Used	-	Stack ID at sampling point (M)	0.40
Rated Fuel Consumption	-	At Bottom (M)	-
Working Fuel Consumption	-	At Top (M)	0.40
Calorific Value(Kcal/kg)	-	**Height Details :**	
		a) Total Ht. Of stack from GL.(M)	18.0
Sulpher Content (% by Wt)	-	b) Total Ht. Of stack from RL.(M)	-
Ash Content (% by Wt.)	-	c) Ht. of sampling port from GL.(M)	9.8
Pollution Control Device	: **Bag Filter With Wet Scrubber**	d) Ht. of port from disturbance zone (M)	5.3

Whether Stack is provided with permanent Platform : Ladder : **Yes**

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	:	37	**Steam Generation Capacity :**		
Barometric Pressure,(mm Hg)	:	755	a) Rated	:	-
Velocity of Gas flow (m/s)	:	8.28	b) Running	:	-
Quantity of Gas flow (Nm^3/hr)	:	3579.06	Load a) Rated	:	-
Pressure	:	-	b) Running	:	1.5 TPH

C.] RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01	Particulate Matter (mg/Nm^3)	:	1.7	IS 11255 (Part -1) 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO_2 (V/V) - (mg/Nm^3)	:	-	
03	Carbon mono oxide (as CO)- % (V/V)	:	<0.2	IS 13270 1992 (RA 2019)
04	Carbon di oxide (as CO_2)-% (V/V)	:	<0.2	IS 13270 1992 (RA 2019)

Prepared By A. Mandal

Checked By A. Patra

For. INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Note
1. # Information provided by customer.
2. Sample is drawn by M/s. Indicative Consultant India.
3. Sample submitted and identified by customer as N.A
4. Test results shown in this test report relate only to the sample tested.
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. The reproduction of the report except in full is invalid without written approval of the laboratory.
7. Once issued, the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T-47 from the date of issue unless otherwise specified.
9. Location of Testing: **Haldia Laboratory**

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

Towards Sustainable Growth

TEST REPORT

Date: 03.12.2022		Report No: ICI/HL/A/PTC-861/2022	Format No: ICI/FM/HL/58	
Customer Name		M/s. VISAKA INDUSTRIES LTD.	Sample ID No	2022/PA-861
Address		Mouza. - Changsole, Vill. - P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date	29.11.2022
#Customer Representative Name & Contact Number		Mr. Sunil Chanda Mob. No. +91-8170064044	Sampling Time	11:40 AM
			Analysis Start Date	02.12.2022
#Service Order No.		40560 Dtd. 17-NOV-22	Analysis complete Date	02.12.2022
#Sample Description		STACK AIR		
#Location		CEMENT MIXTURE TANK		
Sample Condition		In Glass Microfiber Thimble		
Sampling Method		CPCB, Emission Regulation (Part III)		

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant

Stack attached to	CEMENT MIXTURE TANK	Shape of Stack	Circular
Emission due to	Process Activity	Material of Construction	M.S.
Fuel Used	-	Stack ID at sampling point (M)	
Rated Fuel Consumption	-	At Bottom (M)	0.30
Working Fuel Consumption	-	At Top (M)	-
Calorific Value(Kcal/kg)	-	**Height Details :**	0.30
Sulpher Content (% by Wt)	-	a) Total Ht. Of stack from GL (M)	15.0
Ash Content (% by Wt.)	-	b) Total Ht. Of stack from RL (M)	-
Pollution Control Device : **Bag Filter**		c) Ht. of sampling port from GL (M)	4.20
Whether Stack is provided with permanent Platform / Ladder : Yes		d) Ht. of port from disturbance zone (M)	2.70

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	35	**Steam Generation Capacity :**	
Barometric Pressure,(mm Hg)	755	a) Rated	-
Velocity of Gas flow (m/s)	8.96	b) Running	-
Quantity of Gas flow (Nm³/hr)	2193.33	Load a) Rated	-
Pressure	-	b) Running	100 TPD

C.] RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01	Particulate Matter (mg/Nm³)	:	1.8	IS 11255 (Part -1) 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO_2 (V/V) - (mg/Nm³)	:	-	
03	Carbon mono oxide (as CO)- % (V/V)	:	<0.2	IS 13270 1992 (RA 2019)
04	Carbon di oxide (as CO_2)-% (V/V)	:	<0.2	IS 13270 1992 (RA 2019)

Prepared By: N. Mondal

Checked By: A. Patra

For. INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

Note.
1. # Information provided by customer
2. Sample is drawn by M/s. Indicative Consultant India.
3. Sample submitted and identified by customer as : NA
4. Test results shown in this test report relate only to the sample (s) only.
5. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
6. The reproduction of the report except in full is invalid without written approval of the laboratory.
7. Once issued, the test report certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
8. Retention period of tested samples (Thimbles) is 180 days & thimbles no. 1-45" from the date of issue unless otherwise specified.
9. Location of Testing: **Haldia Laboratory**

End of Report

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE) ISO 9001:2015 ISO 45001:2018

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

Towards Sustainable Growth

TEST REPORT

Date: 03.12.2022		Report No: ICI/HL/A/PTC-860/2022		Format No: ICI/FM/H/58	
Customer Name	:	M/s. VISAKA INDUSTRIES LTD.		Sample ID No	2022/PA-860
Address	:	Mouza: - Changsole, Vill. + P.O. – Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147		Sampling Date	29.11.2022
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170864044		Sampling Time	01:50 PM
				Analysis Start Date	02.12.2022
#Service Order No.	:	40560 Dtd. 17-NOV-22		Analysis complete Date	02.12.2022
#Sample Description	:	STACK AIR			
#Location	:	E.R. MILL & AUTOMOTIVE BAG OPENING DEVICE			
Sample Condition	:	In Glass Microfiber Thimble			
Sampling Method	:	CPCB, Emission Regulation (Part III)			

A.] # GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			Shape of Stack	Circular
Stack attached to		E.R. MILL & AUTOMOTIVE BAG OPENING DEVICE	Material of Construction	M.S
Emission due to		Process Activity		
Fuel Used	:	-	Stack ID at sampling point (M)	0.40
Rated Fuel Consumption	:	-	At Bottom (M)	-
Working Fuel Consumption	:	-	At Top (M)	0.40
Calorific Value(Kcal/kg)	:	-	Height Details :	
			a) Total Ht. Of stack from GL(M)	18.0
Sulpher Content (% by Wt)		-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt.)		-	c) Ht. of sampling port from GL(M)	9.8
			d) Ht. of port from disturbance zone (M)	3.3
Pollution Control Device	:	Bag Filter With Wet Scrubber		
Whether Stack is provided with permanent Platform / Ladder		Yes		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	:	38	Steam Generation Capacity :		
Barometric Pressure.(mm Hg)	:	755	a) Rated		-
Velocity of Gas flow (m/s)	:	8.51	b) Running		-
Quantity of Gas flow (Nm^3/hr)	:	3609.68	Load a) Rated		-
Pressure	:	-	b) Running	:	1.5 TPH

C.] RESULT OF SAMPLING:

Sl. No.	Parameters		Result Obtained	Test Method
01	Particulate Matter (mg/Nm^3)	:	1.8	IS 11255 (Part -1): 1985 (RA 2019)
02	Particulate Matter Normalised to 12% CO_2 (V/V) - (mg/Nm^3)	:	-	
03	Carbon mono oxide (as CO)- % (V/V)	:	<0.2	IS 13270:1992 (RA 2019)
04	Carbon di oxide (as CO_2)-% (V/V)	:	<0.2	IS 13270:1992 (RA 2019)

Prepared By: A. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

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

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

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

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

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company
- Laboratory Recognized by MoEF&CC, Govt. of India
- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET

100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India
☎ – + 91 33 4063 5011; email: eepikol@gmail.com; eepikol2@gmail.com
CIN NO : U74210WB1989PTC047403

No. 2022-23/EEPL/MON/2002

27.01.2023

ANALYSIS REPORT OF FLUE GAS

Name of Industry	**M/s. Visaka Industries Limited**
Address	Changsol Mouza, Bankibundh G.P. No. 4, Salboni Block, Dist. - Midnapore West, W.B.
Time & Date of Sampling	12:05 hrs, 24.01.2023

A.	**General Information about stack**		
1	Stack connected to	Asb Fiber Handling	
2	Emission due to	Asb Fiber Handling	
3	Material of Construction of Stack	MS	
4	Shape of Stack	Circular	
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent	
B.	**Physical Characteristics of Stack**		
1	Height of the stack		
	(a) from Ground Level (m)	18.0	
	(b) from Roof Level (m)	-	
2	Diameter of the stack		
	(a) at bottom (m)	-	
	(b) at top (m)	-	
3	Diameter of the stack at sampling point (m)	0.41	
4	Height of the sampling point from GL (m)	9.7	
C.	Analysis/Characteristics of Stack		
1	Fuel used	-	
2	Fuel consumption	-	
3	Calorific value (K-Cal/Kg)	-	
4	Sulphur Content (% by wt)	-	
5	Ash Content (% by wt)	-	
D	**Field Study of Stack(s)**	**Reference Method**	**Concentration**
1	Temperature of emission (°C)	IS 11255 (Part 1)	31
2	Barometric Pressure (mmHg)	-	761
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	7.48
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	2571
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	1.2
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	IS 11255 (Part 7)	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	1.64
E	**Pollution Control Device**		
	Details of pollution control device attached with the stack	Pulse Jet Bag Filter and Wet Scrubber	

Note : -
- Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation
- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.

27/1/2023

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

- Laboratory Recognized by MoEF&CC, Govt. of India
- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET

100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India

☎ – + 91 33 4063 5011; email: eeplkol@gmail.com; eeplkol2@gmail.com

CIN NO : U74210WB1989PTC047403

No. 2022-23/EEPL/MON/2003

27.01.2023

ANALYSIS REPORT OF FLUE GAS

Name of Industry	**M/s. Visaka Industries Limited**
Address	Changsol Mouza, Bankibundh G.P. No. 4, Salboni Block, Dist. - Midnapore West, W.B.
Time & Date of Sampling	15:00 hrs, 24.01.2023

A.	**General Information about stack**		
1	Stack connected to	Cement Handling	
2	Emission due to	Cement Handling	
3	Material of Construction of Stack	MS	
4	Shape of Stack	Circular	
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent	
B.	**Physical Characteristics of Stack**		
1	Height of the stack		
	(a) from Ground Level (m)	15.0	
	(b) from Roof Level (m)	-	
2	Diameter of the stack		
	(a) at bottom (m)	-	
	(b) at top (m)	-	
3	Diameter of the stack at sampling point (m)	0.3	
4	Height of the sampling point from GL (m)	4.2	
C.	Analysis/Characteristics of Stack		
1	Fuel used	-	
2	Fuel consumption	-	
3	Calorific value (K-Cal/Kg)	-	
4	Sulphur Content (% by wt)	-	
5	Ash Content (% by wt)	-	
D	**Field Study of Stack(s)**	**Reference Method**	**Concentration**
1	Temperature of emission (°C)	IS 11255 (Part 1)	33
2	Barometric Pressure (mmHg)	-	761
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	6.24
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	1526
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	1.0
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	IS 11255 (Part 7)	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	11
E	**Pollution Control Device**		
	Details of pollution control device attached with the stack	Pulse Jet Bag Filter	

Note : - - Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation
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For ENVIROTECH EAST (P) LTD.

27/1/2023

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company

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- Laboratory Recognized by WBPCB
- Accredited EIA Consultant by QCI-NABET

100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India

☎ – + 91 33 4063 5011; email: eeplkol@gmail.com; eeplkol2@gmail.com

CIN NO : U74210WB1989PTC047403

No. 2022-23/EEPL/MON/2004

27.01.2023

ANALYSIS REPORT OF FLUE GAS

Name of Industry	**M/s. Visaka Industries Limited**
Address	Changsol Mouza, Bankibundh G.P. No. 4, Salboni Block, Dist. - Midnapore West, W.B.
Time & Date of Sampling	09:15 hrs, 25.01.2023

A.	**General Information about stack**		
1	Stack connected to	Fly Ash Handling	
2	Emission due to	Fly Ash Handling	
3	Material of Construction of Stack	MS	
4	Shape of Stack	Circular	
5	Whether Stack is provided with Permanent Platform & Ladders	Permanent	
B.	**Physical Characteristics of Stack**		
1	Height of the stack		
	(a) from Ground Level (m)	15.0	
	(b) from Roof Level (m)	-	
2	Diameter of the stack		
	(a) at bottom (m)	-	
	(b) at top (m)	-	
3	Diameter of the stack at sampling point (m)	0.3	
4	Height of the sampling point from GL (m)	3.7	
C.	Analysis/Characteristics of Stack		
1	Fuel used	-	
2	Fuel consumption	-	
3	Calorific value (K-Cal/Kg)	-	
4	Sulphur Content (% by wt)	-	
5	Ash Content (% by wt)	-	
D	**Field Study of Stack(s)**	**Reference Method**	**Concentration**
1	Temperature of emission (°C)	IS 11255 (Part 1)	24
2	Barometric Pressure (mmHg)	-	761
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	5.04
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	1270
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	1.2
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	-
8	Concentration of NOx (mg/Nm^3)	IS 11255 (Part 7)	-
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	6
E	**Pollution Control Device**		
	Details of pollution control device attached with the stack	Pulse Jet Bag Filter	

Note : -
- Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation
- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.

27/1/2023

(Authorized Signatory)

Envirotech East Pvt. Limited

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company
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100, Kalikapur, Madurdaha, Kolkata – 700 107, West Bengal, India
☎ – + 91 33 4063 5011; email: eeplkol@gmail.com; eeplkol2@gmail.com
CIN NO : U74210WB1989PTC047403

No. 2022-23/EEPL/MON/2001

27.01.2023

ANALYSIS REPORT OF FLUE GAS

Name of Industry	**M/s. Visaka Industries Limited**
Address	Changsol Mouza, Bankibundh G.P. No. 4, Salboni Block, Dist. - Midnapore West, W.B.
Time & Date of Sampling	11:15 hrs, 25.01.2023

A.	**General Information about stack**		
1	Stack connected to	D.G. Set	
2	Emission due to	Burning of H.S.D.	
3	Material of Construction of Stack	MS	
4	Shape of Stack	Circular	
5	Whether Stack is provided with Permanent Platform & Ladders	Temporary	
6	Capacity	600 KVA	
B.	**Physical Characteristics of Stack**		
1	Height of the stack		
	(a) from Ground Level (m)	11.5	
	(b) from Roof Level (m)	4.5	
2	Diameter of the stack		
	(a) at bottom (m)	-	
	(b) at top (m)	-	
3	Diameter of the stack at sampling point (m)	0.2	
4	Height of the sampling point from GL (m)	7.0	
C.	Analysis/Characteristics of Stack		
1	Fuel used	H.S.D.	
2	Fuel consumption	110 L/hr	
3	Calorific value (K-Cal/Kg)	-	
4	Sulphur Content (% by wt)	-	
5	Ash Content (% by wt)	-	
D	**Field Study of Stack(s)**	**Reference Method**	**Concentration**
1	Temperature of emission (°C)	IS 11255 (Part 1)	120
2	Barometric Pressure (mmHg)	-	761
3	Velocity of gas in duct (M/sec)	IS 11255 (Part 3)	11.26
4	Quantity of gas flow (Nm^3/hr)	IS 11255 (Part 3)	954
5	Concentration of CO (% V/V)	IS 13270	-
6	Concentration of CO_2 (% V/V)	IS 13270	8.4
E	**Laboratory Test Result(s)**		
7	Concentration of SO_2 (mg/Nm^3)	IS 11255 (Part 2)	69
8	Concentration of NOx (mg/Nm^3)	IS 11255 (Part 7)	29
9	Concentration of PM (mg/Nm^3)	IS 11255 (Part 1)	57
E	**Pollution Control Device**		
	Details of pollution control device attached with the stack	None	

Note : -
- Contents of this report are meant for your guidance and should not be used for Advertisement, Evidence or Litigation
- The Physical information about stack details (viz. height, diameter etc.) were provided by respective Industry/Party

For ENVIROTECH EAST (P) LTD.

27/1/2023

(Authorized Signatory)

VISAKA INDUSTRIES LIMITED®

CIN: L52520TG1981PLC003072

(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS OCTOBER – 2022

Name of the Company : **M/s. VISAKA INDUSTRIES LIMITED,**
Saiyedpore-Post, P.S-Salboni,
West Midnapore, West Bengal-721147.

Analyzer Under : Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.

Flow Rate : 1.0 LPM.
Sampling Duration : 60 Minutes.

Specifications : As Per A I A – R T M 1 (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
			PERSONEL SAMPLING		
1	13-10-2022	567-2022-10-3-1	E.R Mill – BOD Area	The worker carrying the sampler was feeding fibre bags through the slant conveyor. Fibre dust collector in operation. He was using PPE's.	< 0.1 0.049
2	13-10-2022	568-2022-10-3-2	Salvaging Worker	The worker carrying the sampler was working in salvaging of rejected AC sheets were getting reclaimed. Wet process. He was using PPE's.	< 0.1 0.041
3	12-10-2022	569-2022-10-3-3	Filing Worker	The worker carrying the sampler was working in filing of rejected AC sheets were getting reclaimed. He was using PPE's.	< 0.1 0.037
4	12-10-2022	570-2022-10-3-5	Fibre Testing Personnel	The Fibre testing personnel carrying the sampler was engaged in lab activities during the period of fibre sampling. He was using PPE's.	< 0.1 0.020
5	13-10-2022	571-2022-10-3-7	DC Maintenance Operation	The worker carrying the sampler was engaged in Dust Collector Maintenance Operation during the sampling. He was using PPE's.	< 0.1 0.065

25-OCTOBER-2022
PARAMATHI – T.N

T. MURUGANANDHAM – SR. OFFICER (EHS)
ASBESTOS FIBRE COUNTING ANALYST

VISAKA INDUSTRIES LIMITED®

CIN: L52520TG1981PLC003072

(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS
OCTOBER – 2022

Name of the Company : **M/s. VISAKA INDUSTRIES LIMITED,**
Saiyedpore-Post, P.S-Salboni,
West Midnapore, West Bengal-721147.

Analyzer Under : Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.

Flow Rate : 1.0 LPM.

Duration : 60 Minutes.

Specifications : As Per A I A – R T M 1 Sampling (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
STATIC SAMPLING					
1	12-10-2022	572-2022-10-3-8	Fibre Godown	The static sample is collected and two grades of palletized fibre bags are stored in fibre godown. Torn bags are taped. Wet mopping system done.	< 0.1 0.033
2	13-10-2022	573-2022-10-3-12	Hard Waste Storage	The static sample is collected from Hard Waste Storage area. The plant was in production of Fibre cement sheets.	< 0.1 0.049
3	13-10-2022	574-2022-10-3-11	Loading Platform	The static sample is collected from Loading Section. The plant was in production of Fibre cement sheets.	< 0.1 0.025

25-OCTOBER-2022
PARAMATHI – T.N

T. MURUGANANDHAM – SR. OFFICER (EHS)
ASBESTOS FIBRE COUNTING ANALYST

VISAKA INDUSTRIES LIMITED®

CIN: L52520TG1981PLC003072

(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS NOVEMBER – 2022

Name of the Company : **M/s. VISAKA INDUSTRIES LIMITED,**
Saiyedpore-Post, P.S-Salboni,
West Midnapore, West Bengal-721147.

Analyzer Under : Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.

Flow Rate : 1.0 LPM.
Sampling Duration : 60 Minutes.

Specifications : As Per A I A – R T M 1 (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
PERSONEL SAMPLING					
1	11-11-2022	643-2022-11-3-1	E.R Mill – BOD Area	The worker carrying the sampler was feeding fibre bags through the slant conveyor. Fibre dust collector in operation. He was using PPE's.	< 0.1 0.065
2	11-11-2022	644-2022-11-3-2	Salvaging Worker	The worker carrying the sampler was working in salvaging of rejected AC sheets were getting reclaimed. Wet process. He was using PPE's.	< 0.1 0.029
3	11-11-2022	645-2022-11-3-3	Filing Worker	The worker carrying the sampler was working in filing of rejected AC sheets were getting reclaimed. He was using PPE's.	< 0.1 0.057
4	12-11-2022	646-2022-11-3-4	Waste Recycling Worker	The worker carrying the sampler was engaged in operation of Waste sheets recycling work at wet ball mill section. He was using PPE's.	< 0.1 0.041

25-NOVEMBER-2022
PARAMATHI – T.N

T. MURUGANANDHAM – SR. OFFICER (EHS)
ASBESTOS FIBRE COUNTING ANALYST

VISAKA INDUSTRIES LIMITED®

CIN: L52520TG1981PLC003072

(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS
NOVEMBER – 2022

Name of the Company : **M/s. VISAKA INDUSTRIES LIMITED,**
Saiyedpore-Post, P.S-Salboni,
West Midnapore, West Bengal-721147.

Analyzer Under : Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.

Flow Rate : 1.0 LPM.

Duration : 60 Minutes.

Specifications : As Per A I A – R T M 1 Sampling (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
STATIC SAMPLING					
1	12-11-2022	647-2022-11-3-8	Fibre Godown	The static sample is collected and two grades of palletized fibre bags are stored in fibre godown. Torn bags are taped. Wet mopping system done.	< 0.1 0.025

25-NOVEMBER-2022
PARAMATHI – T.N

T. MURUGANANDHAM – SR. OFFICER (EHS)
ASBESTOS FIBRE COUNTING ANALYST

VISAKA INDUSTRIES LIMITED®

CIN: L52520TG1981PLC003072

(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS
DECEMBER – 2022

Name of the Company : **M/s. VISAKA INDUSTRIES LIMITED,**
Saiyedpore-Post, P.S-Salboni,
West Midnapore, West Bengal-721147.

Analyzer Under : Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.

Flow Rate : 1.0 LPM.
Sampling Duration : 60 Minutes.

Specifications : As Per A I A – R T M 1 (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
PERSONEL SAMPLING					
1	21-12-2022	713-2022-12-3-1	E.R Mill – BOD Area	The worker carrying the sampler was feeding fibre bags through the slant conveyor. Fibre dust collector in operation. He was using PPE's.	< 0.1 0.045
2	21-12-2022	714-2022-12-3-2	Salvaging Worker	The worker carrying the sampler was working in salvaging of rejected AC sheets were getting reclaimed. Wet process. He was using PPE's.	< 0.1 0.049
3	22-12-2022	715-2022-12-3-4	Waste Recycling Worker	The worker carrying the sampler was engaged in operation of Waste sheets recycling work at wet ball mill section. He was using PPE's.	< 0.1 0.065
4	22-12-2022	716-2022-12-3-3	Filing Worker	The worker carrying the sampler was working in filing of rejected AC sheets were getting reclaimed. He was using PPE's.	< 0.1 0.037
5	23-12-2022	717-2022-12-3-7	DC Maintenance Operation	The worker carrying the sampler was engaged in Dust Collector Maintenance Operation during the sampling. He was using PPE's.	< 0.1 0.061

04-JANUARY-2023
PARAMATHI – T.N

T. MURUGANANDHAM – SR. OFFICER (EHS)
ASBESTOS FIBRE COUNTING ANALYST

VISAKA INDUSTRIES LIMITED®

CIN: L52520TG1981PLC003072

(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS
DECEMBER – 2022

Name of the Company : **M/s. VISAKA INDUSTRIES LIMITED,**
Saiyedpore-Post, P.S-Salboni,
West Midnapore, West Bengal-721147.

Analyzer Under : Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.

Flow Rate : 1.0 LPM.

Duration : 60 Minutes.

Specifications : As Per A I A – R T M 1 Sampling (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
STATIC SAMPLING					
1	21-12-2022	718-2022-12-3-8	Fibre Godown	The static sample is collected and two grades of palletized fibre bags are stored in fibre godown. Torn bags are taped. Wet mopping system done.	< 0.1 0.037
2	23-12-2022	719-2022-12-3-11	Loading Platform	The static sample is collected from Loading Section. The plant was in production of Fibre cement sheets.	< 0.1 0.016

04-JANUARY-2023
PARAMATHI – T.N

T. MURUGANANDHAM – SR. OFFICER (EHS)
ASBESTOS FIBRE COUNTING ANALYST

VISAKA INDUSTRIES LIMITED®
(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in
CIN: L52520TG1981PLC003072

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS
JANUARY – 2023

Name of the Company : M/s. VISAKA INDUSTRIES LIMITED,
Saiyedpore-Post, P.S-Salboni,
West Midnapore, West Bengal-721147

Analyzer Under : Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.

Flow Rate : 1.0 LPM.
Sampling Duration : 00 Minutes

Specifications : As Per A I A – R T M 1 (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
PERSONEL SAMPLING					
1	09-01-2023	23-2023-1-3-1	E.R Mill – BOD Area	The worker carrying the sampler was feeding fibre bags through the slant conveyor. Fibre dust collector in operation. He was using PPE's.	< 0.1 0.049
2	09-01-2023	24-2023-1-3-2	Salvaging Worker	The worker carrying the sampler was working in salvaging of rejected AC sheets were getting reclaimed. Wet process. He was using PPE's.	< 0.1 0.016
3	10-01-2023	25-2023-1-3-3	Filing Worker	The worker carrying the sampler was working in filing of rejected AC sheets were getting reclaimed. He was using PPE's.	< 0.1 0.033
4	10-01-2023	26-2023-1-3-4	Waste Recycling Worker	The worker carrying the sampler was engaged in operation of Waste sheets recycling work at wet ball mill section. He was using PPE's.	< 0.1 0.045
5	10-01-2023	27-2023-1-3-5	Fibre Testing Personnel	The worker carrying the sampler was engaged in Fibre Testing Personnel sampling. He was using PPE's.	< 0.1 0.012

23-JANUARY-2023
PARAMATHI – T.N

T. MURUGANANDHAM / SR. OFFICER (EHS)
ASBESTOS FIBRE COUNTING ANALYST

VISAKA INDUSTRIES LIMITED®
CIN: L52520TG1981PLC003072
(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS
JANUARY - 2023

Name of the Company : **M/s. VISAKA INDUSTRIES LIMITED,** Saiyedpore-Post, P.S-Salboni, **West Midnapore**, West Bengal-721147

Analyzer Under : Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.

Flow Rate : 1.0 LPM.

Duration : 60 Minutes.

Specifications : As Per A I A – R T M 1 Sampling (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
			STATIC SAMPLING		
1	11-01-2023	28-2023-1-3-8	Fibre Godown	The static sample is collected and two grades of palletized fibre bags are stored in Fibre Godown. Torn bags are taped. Wet mopping system done.	< 0.1 0.025
2	11-01-2023	29-2023-1-3-9	Process Waste Storage	The static sample is collected from Process Waste Storage Section. The plant was in production of Fibre cement sheets.	< 0.1 0.016

23-JANUARY-2023
PARAMATHI - T.N

T. MURUGANANDHAM - SR. OFFICER (EHS)
ASBESTOS FIBRE COUNTING ANALYST

VISAKA INDUSTRIES LIMITED®

CIN: L52520TG1981PLC003072

(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS FEBRUARY – 2023

Name & Address of the Company	M/s. VISAKA INDUSTRIES LIMITED, Saiyedpore-Post, P.S-Salboni, West Midnapore, West Bengal-721 147.
Flow Rate	1 LPM
Sampling Duration	60 Minutes
Analyzer Under	Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.
Specifications of Counting	As Per A I A – R T M 1 Sampling, (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
PERSONEL SAMPLING					
1	01-02-2023	57-2023-2-3-1	E.R Mill – BOD Area	The worker carrying the sampler was feeding fibre bags through the slant conveyor. Fibre dust collector in operation. He was using PPE's.	< 0.1 0.041
2	02-02-2023	58-2023-2-3-2	Salvaging Area	The worker carrying the sampler was working in salvaging of rejected AC sheets were getting reclaimed. Wet process. He was using PPE's.	< 0.1 0.025
3	03-02-2023	59-2023-2-3-3	Filing Worker	The worker carrying the sampler was working in filing of rejected AC sheets were getting reclaimed. He was using PPE's.	< 0.1 0.037
4	01-02-2023	60-2023-2-3-4	Waste Recycling Worker	The worker carrying the sampler was engaged in operation of Waste sheets recycling work at wet ball mill section. He was using PPE's.	< 0.1 0.049
5	02-02-2023	61-2023-2-3-6	Fibre Bags Carrying Forklift Operator	The worker carrying the sampler was engaged in Fibre Bags Carrying fibre godown area during the sampling. He was using PPE's.	< 0.1 0.008

Date of Signature	16-February-2023	Name & Designation	T.Muruganandham, Sr. Officer - EHS
Location	Paramathi, Tamil Nadu		Fibre Counting Analyst

VISAKA INDUSTRIES LIMITED®
CIN: L52520TG1981PLC003072

(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS FEBRUARY – 2023

Name & Address of the Company	M/s. VISAKA INDUSTRIES LIMITED, Saiyedpore-Post, P.S-Salboni, West Midnapore, West Bengal-721 147.
Flow Rate	1 LPM
Sampling Duration	60 Minutes
Analyzer Under	Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.
Specifications of Counting	As Per A I A – R T M 1 Sampling, (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
STATIC SAMPLING					
1	03-02-2023	62-2023-2-3-8	Fibre Godown	The static sample is collected and two grades of palletized fibre bags are stored in fibre godown. Torn bags are taped. Wet mopping system done.	< 0.1 0.037
2	03-02-2023	63-2023-2-3-10	Main Machine	The static sample is collected from Main Machine area. The plant was in production of Fibre cement sheets.	< 0.1 0.033

Date of Signature	16-February-2023	Name & Designation	T.Muruganandham, Sr. Officer - EHS
Location	Paramathi, Tamil Nadu		Fibre Counting Analyst

VISAKA INDUSTRIES LIMITED®

CIN: L52520TG1981PLC003072

(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS
MARCH – 2023

Name & Address of the Company	M/s. VISAKA INDUSTRIES LIMITED, Saiyedpore-Post, P.S-Salboni, West Midnapore, West Bengal-721 147.
Flow Rate	1 LPM
Sampling Duration	60 Minutes
Analyzer Under	Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.
Specifications of Counting	As Per A I A – R T M 1 Sampling, (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
PERSONEL SAMPLING					
1	13-03-2023	146-2023-3-3-1	E.R Mill – BOD Area	The worker carrying the sampler was feeding fibre bags through the slant conveyor. Fibre dust collector in operation. He was using PPE's.	< 0.1 0.029
2	14-03-2023	147-2023-3-3-2	Salvaging Area	The worker carrying the sampler was working in salvaging of rejected AC sheets were getting reclaimed. Wet process. He was using PPE's.	< 0.1 0.020
3	14-03-2023	148-2023-3-3-3	Filing Worker	The worker carrying the sampler was working in filing of rejected AC sheets were getting reclaimed. He was using PPE's.	< 0.1 0.025
4	14-03-2023	149-2023-3-3-4	Waste Recycling Worker	The worker carrying the sampler was engaged in operation of Waste sheets recycling work at wet ball mill section. He was using PPE's.	< 0.1 0.057
5	13-03-2023	150-2023-3-3-6	Fibre Bags Carrying Forklift Operator	The worker carrying the sampler was engaged in Fibre Bags Carrying fibre godown area during the sampling. He was using PPE's.	< 0.1 0.065

Date of Signature	10-March-2023	Name & Designation	T.Muruganandham, Sr. Officer - EHS
Location	Paramathi, Tamil Nadu		Fibre Counting Analyst

VISAKA INDUSTRIES LIMITED®

CIN: L52520TG1981PLC003072

(AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 CERTIFIED UNIT)
FACTORY: (ACD-II) MANICKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT,
TAMIL NADU-637 207, TEL: 89258 18127, www.visaka.in, e-mail: environment.paramathi@visaka.in

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS
MARCH – 2023

Name & Address of the Company	M/s. VISAKA INDUSTRIES LIMITED, Saiyedpore-Post, P.S-Salboni, West Midnapore, West Bengal-721 147.
Flow Rate	1 LPM
Sampling Duration	60 Minutes
Analyzer Under	Carl Zeiss Make, Axioskop 40, Phase Contrast Microscope.
Specifications of Counting	As Per A I A – R T M 1 Sampling, (IS : 11450) Method.

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
As PER MoEFCC & PCB = < 0.1 fibre/cc of air.

Sl. No	Date of Sampling	Sampling Code	Sampling Location	Sampling Condition	Dust Con. Fibre/cc of air
STATIC SAMPLING					
1	12-03-2023	151-2023-3-3-8	Fibre Godown	The static sample is collected and two grades of palletized fibre bags are stored in fibre godown. Torn bags are taped. Wet mopping system done.	< 0.1 0.020

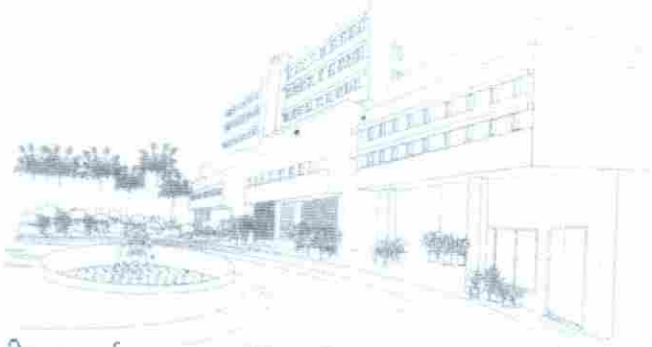
Date of Signature	10-March-2023	Name & Designation	T.Muruganandham, Sr. Officer - EHS
Location	Paramathi, Tamil Nadu		Fibre Counting Analyst

Month of Preparation: March, 2023
Total No. of Pages: 03

ASBESTOS FIBRE COUNT OF VISAKA INDUSTRIES LIMITED Changsole Mouza Bankibundh G. P. NO 4 Salboni Block, Midnapore West

FINAL REPORT

March, 2023



सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH
विषविज्ञान भवन, 31, महात्मा गांधी मार्ग, पोस्ट बाक्स नं० 80, लखनऊ-226001, उ०प्र०, भारत
VISHVIGYAN BHAWAN, 31, MAHATMA GANDHI MARG, POST BOX NO 80, LUCKNOW-226001, U.P. INDIA
Telephone: 0522-2611547/ 2621856 Fax: 2611547
E-mail : rpbd@iitrindia.org

सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

डॉ. के. सी. खुल्बे/ Dr. K.C. Khulbe
मुख्य वैज्ञानिक व प्रमुख आरपीबीडी
Chief Scientist & Head, RPBD

CSIR-IITR/RPBD/29/2023
दिनांक: 21-03-2023

सेवा में-

विसाका इंडस्ट्रीज़ लिमिटेड,
चंगसोल मौजा बंकिबुन्धा जी.पी. नं 4
सलबोनी ब्लॉक, मिदनापुर वेस्ट
पश्चिम बंगाल-721147

विषय: विलेषण रिपोर्ट का प्रेषण ।

महोदय,

आपके ई- मेल दिनांक 06.03.2023 के संदर्भ में विसाका इंडस्ट्रीज़ लिमिटेड, मिदनापुर वेस्ट, पश्चिम बंगाल, से आए हुए Asbestos Fibre Count (1- ER Mill-Personal sample & 2- Fibre Godown- Static sample) की विश्लेषण रिपोर्ट इस पत्र के साथ भेजी जा रही है। कृपया इस रिपोर्ट की पावती यथाशीघ्र भेंजे।

भवदीय,

for 21/3/23
(प्रमुख, आरपीबीडी)

संलग्नक: उपर्युक्त रिपोर्ट

विषविज्ञान भवन, 31, महात्मा गाँधी मार्ग
पोस्ट बाक्स नं० 80, लखनऊ–226001, उ.प्र., भारत
VISHVIGLYAN BHAWAN, 31, MAHATMA GANDHI MARG
POST BOX NO 80, LUCKNOW-226001, U.P., INDIA
Phone: +91-522-2627586, 2614118, 2628228 Fax: +91-522-2628227, 2611547
director@iitrindia.org www.iitrindia.org

Test Report

1. **Date of Sample Collection/ Monitoring** : 1st & 2nd February, 2023 (Samples collected by Industry)
2. **Test Required by Sponsor** : Asbestos fibre count in two slides
3. **Methodologies and reference standards used for testing** : The counting of asbestos fibres was done using NIKON Eclipse E600W Microscope (Japan). The data were calculated following the flow rate of 1 liter/minute for a period of 60 minutes, as provided by the industry, and expressed as number of fibre in air per cubic centimeter (f/cc). Ref. Bureau of Indian Standard (IS: 11450)
4. **Date, sample received** : 13-03-2023
5. **Date, study initiated** : 15-03-2023
6. **Date, study completed** : 17-03-2023
7. **Test Results**

Slide No.	Locations (Mentioned on Slide)	Date of Sampling	Fibre count (f/cc)
1	Fibre Godown	02-02-2023	0.041
2	E.R. MILL	01-02-2023	0.054

8. **Conclusions**

Test results pertaining to one sample, collected through personal sampler carried by workers at E.R. Mill the observed fibre counts was 0.054 f/cc. Second sample collected by static sampling (as area sample) at Fibre Godown showed fibre counts as 0.041 f/cc. Briefly, these asbestos fibre counts are within national safe standard value of 0.100 f/cc.

Akhan 17/03/2023
(A.H. Khan)
Chief Scientist

9. **Notes:**

a. The above results relate only to the tests required by sponsor as indicated in item 2 (Page 3 of 3).

b. The report shall not be reproduced in fragments without the written approval of Director, CSIR-IITR, Lucknow.

c. This report shall not be used for any purpose other than environmental management related activities of the plant/ site by the sponsor.

Name and Address of the Client	:	Visaka Industries Limited Changsole Mouza Bankibundh G. P. NO 4 Salboni Block, Midnapore West
Reference No.	:	E-Mail dated 06-03-2023
Description and Identification of the Test	:	Asbestos fibre count on slides
Nature of samples	:	Two microscopic glass slides of membrane filters along with details of sampling

for [illegible] 20/3/23
(Dr. A. Goel)
Head,
Research Planning &
Business Development

Visaka Industries Limited
AC DIVISION-IV SALBONI, MIDNAPUR(W), WEST BENGAL

VISAKA

Details regarding the Asbestos sheets production & Qty of Asbestos used in process.

Year -2022-23 (Oct-22 to Mar-23)

Month	Asbestos sheets production (MT)	Qty of Asbestos used in process (MT)
Apr-22	8243.431	554.538
May-22	9245.356	650.152
Jun-22	8783.554	635.897
Jul-22	8218.611	596.531
Aug-22	6597.378	470.187
Sep-22	8601.963	611.362
Total	49690.293	3518.667

c. Contact person of Your Organization /unit

Name & designation:-- Biplab Banerjee
Asst. Works Manager

Details address:-- Changsole Mouza P.O.-Saiyedpur
P.S.-Salboni
Dist.-Paschim Medinipur
Pin-721147 (W.B.)

District:-- Paschim Medinipur
E-mail address:-- biplab.banerjee@visaka.in
Fax No:--
Telephone:-- 03227/285854
8170064048

Signature of the authority (seal & date)

For VISAKA INDUSTRIES LTD.

Biplab Banerjee
(Asst. Works Manager)

ENVIRONMENT MONITRONG CELL

VISAKA INDUSTRIES LIMITED, SALBONI MIDNAPUR

Sl. No	Name	Designation	Education	E-Mail	
1	Biplab Banerjee	Asst. Works Manger	Diploma in Mechanical Engineering	biplab.banerjee@visaka.in	Chairmen
2	Dipankar Mahanty	Manager-Mechanical	Diploma in Mechanical Engineering	dipankar.mahanty@visaka.in	Secretary
3	Mohebbulla Sekh	Officer EHS	Diploma in Safety	safetyofficer .midnapur@visaka.in	Member
4	Amitava.Patra	officer QC	Diploma in auto mobile	amitava.patra@visaka.in	Member
5	Subrata Santra	officer QC	BA	quality.midnapur@visaka.in	Member
6	Sibaprasad Hati	Officer HRD	MBA (HR)	sibaprasad.hati@visaka.in	Member
7	Buddhadev Paramanik	Asst. Manager (Mech.)	Diploma Mechanical	mechanical.midnapur@visaka.in	Member
8	Satya Nath Panda	Asst. Manager (Electrical)	Diploma Electrical	Satyanath.panda@visaka.in	Member
9	Sanjay Bajoria	Officer (Stores)	B.Com	Sanjay.bajuria@visaka.in	Member
10	Koushik Ghosh	Asst. Officer(Despatch)	M.A	Koushik.ghosh&visaka.in	Member
11	Somnath Amboli	Asst. Manager (Production)	Diploma Mechanical	somnath.amboli@visaka.in	Member
12	Ashok Shaw	Operator (Production)	ITI (Diesel Mechanical)		Member
13	Manoj Mahato	Electrician (Electrical)	ITI (Electrical)		Member
14	Jagabandhu Mahato	Welder(Mechanical)	ITI (Welder)		Member
15	Ganesh Das	Pharmacist	D. Pharma		Member
16	Tapan Mahato	Casual Labour (EHS)			Member

For VISAKA INDUSTRIES LTD.

Biplab Banerjee
(Asst. Works Manager)

Lifeline DIAGNOSTIC

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AREA : RABINDRANAGAR
P.O. : MIDNAPORE
DIST. : PASCHIM MEDINIPUR

MEDICAL EXAMINATION REPORT

I have clinically examined all the employees of the **VISAKA INDUSTRIES LIMITED**, AC Division – IV, Village – Changsole, Post Office – Saiyedpur, Police Station - Salboni, District - Paschim Medinipur, State – West Bengal, Pin Code – 721147.

I have gone through their necessary **Blood Examination Reports, X- Ray (Chest) Reports, Sputum Reports, RBS & PFT Reports**.

No Asbestos related disease are found in them.

Date:-

26/06/22

DR. D.K. BHAKTA
MBBS (CAL)
Medical Officer
Reg. No. - 61987

VISAKA INDUSTRIES LIMITED, MIDNAPORE DIVISION

(MEDICAL CHECK UP LIST FOR STAFF -2022-2023)

NAME	EMP.NO	DATE OF BIRTH	DATE OF JOINING	AGE	HT/CMS	WT/KGS	DESINGATION	BLOOD GROUP	BLOOD PRESSURE		HB in gm%	WBC	N	L	E	M	B	ESR mm /1hr	RBS	Sputum AFB	VISION	X-RAY	CHEST EXP(cms)	PVC		FEVI		PEFR		PFT	SUMMARY
									SYS	DIS															Pred	PRE	Pred	PRE	Pred	PRE	RESULT	
JIT UPADHYAY	10568	04-11-1969	01-08-2003	53	172	70	Lab Assistant	B(+)	120	82	13.6	6200	68	26	4	2	0	10	72	NF		W.N.L	86/90	2.88	2.87	2.38	2.2	6.29	6.85	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
MITAV PATRA	10564	05-11-1977	01-08-2003	45	170	65	Officer	A(+)	124	80	14.8	5900	65	31	03	01	0	14	98	NF		W.N.L	96/100	3.51	2.85	2.9	1.93	7.06	5.41	(FEVI/FVC)%Pred <84 and EVC%Pred >80	
NIKET SAHOO	12903	13-04-1991	01-01-2015	32	169	61	Assistant Engineer	A(+)	122	82	13	7600	53	40	5	2	0	12	91	NF		W.N.L	88/90	3.64	3.28	3.1	2.84	7.36	6.31	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
AVISHEK BHATTACHARYA	11797	23-05-1988	01-02-2011	35	185	86	Engineer	A(+)	124	84	15	5800	51	42	4	3	0	15	105	NF		W.N.L	96/98	4.52	3.82	3.74	2.87	8.27	5.87	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
BIPLAB BANERJEE	13305	02-12-1969	01-08-2017	53	170	70	Asst. Works Manager	B+	124	82	13.2	6600	48	46	5	1	0	13	156	NF		W.N.L	82/94	3.13	2.04	2.57	1.42	6.57	4.62	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
BUDDHADEB HALDAR	10544	03-05-1979	21-02-2003	44	157	58	Assistant Supervisor	A(+)	120	80	13.2	7200	55	40	3	2	0	18	93	NF		W.N.L	90/93	3.4	3.73	2.87	2.86	7.02	4.43	(FEVI/FVC)%Pred >95 and EVC%Pred <44	
BUDDHADEB PRAMANIK	10854	15-10-1980	01-02-2007	42	168	68	Sr. Engineer	A(+)	128	84	15	8100	58	37	4	1	0	16	86	NF		W.N.L	95/98	3.64	1.32	3.02	1.15	7.23	1.87	(FEVI/FVC)%Pred >95 and EVC%Pred <64	
BUDDHADEV BHUNIA	12996	01-04-1988	09-09-2015	35	165	59	Sheet Checker	B+	116	74	13.1	6300	54	42	3	1	0	20	108	NF		W.N.L	86/88	3.49	2.09	2.96	1.72	7.16	3.40	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
CHANCHAL SARKAR	10709	12-03-1979	01-11-2005	44	172	56	Sr. Officer	A(+)	120	80	13.8	5900	60	33	6	1	0	17	89.6	NF		W.N.L	81/82	3.85	3.05	3.17	2.31	7.44	6.48	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
DINESH KUMAR PAL	12775	02-03-1989	14-04-2014	34	166	63	Sr. Assistant	O(+)	124	82	14	9100	66	29	3	2	0	12	79	NF		W.N.L	118/80	3.49	1.95	2.96	1.31	7.16	3.52	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
DIPANKAR MAHANTI	10810	15-01-1978	11-10-2006	45	173	75	Manager	B(+)	124	80	14.8	6300	65	31	2	2	0	15	112	NF		W.N.L	97/100	3.79	2.54	3.1	2.13	7.34	6.66	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
JOYDEV GHOSH	11806	13-10-1984	15-02-2011	38	164	66	Senior Assistant	A(+)	124	82	13.6	5700	53	39	7	1	0	13	103	NF		W.N.L	88/92	3.4	3.56	2.87	2.87	7.02	8.78	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
KALYAN PAL	12621	07-09-1991	16-08-2013	31	176	80	Junior Engineer	B(+)	116	76	13.6	7100	68	25	5	2	0	12	105	NF		W.N.L	116/78	3.64	3.28	3.1	2.84	7.36	6.31	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
KOUSHIK GHOSH	10729	10-03-1986	01-01-2006	37	167	49	Assistant Officer	O(+)	120	80	13.3	6300	63	33	3	1	0	18	99	NF		W.N.L	82/86	3.88	2.54	3.24	1.71	7.55	3.56	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
KOUSHIK PATRA	13116	10-05-1991	25-07-2016	32	164	56	Sheet Checker	B+	110	86	12.9	7200	53	41	4	2	0	10	78	NF		W.N.L	80/83	3.13	2.04	2.57	1.42	6.57	4.62	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
MANOJ KUMAR DWIBEDY	14356	20-04-1994	09-03-2023	29	172	78	Junior Executive	O(+)	120	80	12.4	7100	64	31	3	2	0	10	94	NF		W.N.L	82/86	3.13	2.04	2.57	1.42	6.57	4.62	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
MOHEBBULLA SEKH	14355	09-04-1989	06-03-2023	34	168	68	Officer	AB(+)	122	78	12.7	6400	60	34	4	2	0	15	89	NF		W.N.L	82/85	3.64	3.28	3.1	2.84	7.36	6.31	(FEVI/FVC)%Pred <84 and EVC%Pred >80	
NAROTTAM DAS	11864	02-06-1985	18-03-2021	38	165	82	Engineer.Production	O(+)	124	82	12.6	8800	69	25	5	1	0	14	79	NF		W.N.L	86/89	3.58	2.94	3.03	2.03	7.26	3.01	(FEVI/FVC)%Pred <80 and EVC%Pred <80	
PADMALOCHAN MAHARANA	11131	04-07-1981	01-10-2008	41	178	72	Assistant Officer	B(+)	116	78	13.6	7900	59	34	6	1	0	28	93	NF		W.N.L	96/98	4.07	2.72	3.36	2.23	7.72	3.61	(FEVI/FVC)%Pred >95 and EVC%Pred >80.	
RAJ KUMAR DAS	13252	05-04-1989	20-02-2017	34	171	65	Assistant	AB(+)	116	76	12.2	6800	65	31	2	2	0	20	115.6	NF		W.N.L	88/92	4.03	3.47	3.4	2.93	7.79	7.84	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
RAJESH BHUNIA	11363	05-04-1981	01-01-2010	42	170	62	Junior Executive	A(+)	116	78	10.9	7200	56	39	04	01	0	10	82	NF		W.N.L	88/90	3.49	1.95	2.96	1.31	7.16	3.52	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
RAJIB GAYEN	11925	08-06-1983	11-06-2011	40	166	66	Sr. Assistant	A(+)	120	80	14	5200	52	44	03	01	0	17	105	NF		W.N.L	90/92	3.73	3.1	3.11	2.4	7.36	6.52	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
RAVIKUMAR S. GANGU	12097	12-08-1983	24-12-2011	39	170	85	Assistant Officer.Quality Contro		124	82	13	6400	50	45	3	2	0	13	121	NF		W.N.L	90/92	3.13	2.04	2.57	1.42	6.57	4.62	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
SAGNIK GHOSH	10552	20-09-1978	06-04-2003	44	161	58	Assistant Supervisor	O(+)	116	74	12.9	5800	64	28	6	2	0	15	102	NF		W.N.L	89/91	3.3	2.78	2.76	2.15	6.85	6.72	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
SAMIR KUMAR BISWAS	10726	11-05-1982	01-01-2006	41	165	62	Engineer	A(+)	122	82	14.5	6800	62	35	02	01	0	15	102	NF		W.N.L	84/86	3.47	2.79	2.92	2.33	7.08	3.78	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
SANJOY KUMAR BAJORIA	10706-1	05-06-1978	22-09-2022	45	175	88	Assistant Officer.Stores	O(+)	116	76	13.2	6300	58	36	4	2	0	20	108	NF		W.N.L	88/90	3.83	3.16	3.15	2.6	7.4	7.55	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
SATYANATH PANDA	12939	27-05-1978	21-03-2015	45	169	62	Assistant Manager	AB(+)	120	80	13	7400	53	39	05	03	0	14	98.1	NF		W.N.L	88/92	3.28	2.47	2.73	1.92	6.81	6.82	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
SEKHAR PATRA	10543	04-01-1978	12-02-2003	45	159	68	Sr. Supervisor	B(+)	120	80	12	5400	69	26	03	02	0	22	78	NF		W.N.L	94/97	3.14	2.64	2.63	2.24	6.67	7.35	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
SHYAMAL KR. MONDAL	11018	02-01-1966	02-06-2008	57	175	74	Assistant Manager	B(+)	112	76	15	7500	58	37	4	1	0	18	190.2	NF		W.N.L	84/86	3.58	2.69	2.87	2.24	6.99	7.41	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
SIBA PRASAD HATI	10918	12-03-1983	01-09-2007	40	166	78	Assistant Officer	O(+)	122	82	13.1	6900	53	42	04	01	0	20	126	NF		W.N.L	100/103	3.47	3.11	2.92	2.59	7.08	6.62	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
SIBSANKAR ROY	11875	06-02-1987	19-04-2011	36	168	63	Assistant Engineer	A(+)	118	80	14	5900	69	28	2	1	0	13	113	NF		W.N.L	88/93	3.75	2.67	3.14	2.24	7.4	3.89	(FEVI/FVC)%Pred >95 and EVC%Pred <80.	
SK.SAHAJAN ALI	10961	01-03-1987	01-01-2008	36	170	61	Sheet Checker	O(+)	116	78	12.9	6800	63	31	4	2	0	16	105	NF		W.N.L	89/92	3.7	2.64	3.11	1.94	7.37	5.82	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
SNEHASIS SINHA	10579	14-07-1973	01-10-2003	49	168	58	Supervisor	A(+)	120	76	12.8	8400	70	26	3	1	0	12	113	NF		W.N.L	84/86	3.58	2.69	2.87	2.24	6.99	7.41	(FEVI/FVC)%Pred <84 and EVC%Pred >80	
SOMNATH AMBOLI	10704	05-06-1984	09-04-2013	39	169	68	Assistant Manager	B(+)	116	74	13.8	5900	69	24	5	2	0	18	102	NF		W.N.L	93/97	3.73	3.1	3.11	2.4	7.36	6.52	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
SOUMEN BANERJEE	12094	16-04-1984	19-12-2011	39	169	61	Junior Executive	B(+)	122	82	12.8	9200	62	29	6	3	0	23	120	NF		W.N.L	92/94	3.65	2.31	3.07	2.1	7.3	2.83	(FEVI/FVC)%Pred >95 and EVC%Pred <64	
SOUMEN BHUNIA	14187	16-03-1995	25-05-2022	28	170	62	Trainee	AB(+)	120	80	13	8700	70	27	2	1	0	15	105	NF		W.N.L	89/91	4.03	3.47	3.4	2.93	7.79	7.84	(FEVI/FVC)%Pred >95 and EVC%Pred >80.	
SOUMEN DAS	10537	11-02-1971	04-01-2003	52	158	67	Junior Chemist	A(+)	124	82	13.2	7800	63	32	3	2	0	21	130	NF		W.N.L	100/102	3.13	3	2.57	2.4	6.57	5.07	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
SUBRATA SANTRA	10567	09-02-1984	01-08-2003	39	162	48	Assistant Officer	B(+)	120	80	12.8	8300	55	36	5	4	0	19	78	NF		W.N.L	81/83	3.19	3.07	2.72	2.42	6.81	5.94	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
SUDIPTA BISAI	13443	26-03-1992	05-04-2018	31	165	71	Assistant	O+	110	86	13.1	5900	65	30	3	2	0	12	92	NF		W.N.L	86/88	3.32	3.39	2.86	2.68	7.02	4.52	(FEVI/FVC)%Pred <84 and EVC%Pred >80	
SUMANTA ROY	11914	18-02-1989	17-05-2011	34	175	90	Assistant Engineer	A(+)	116	80	14	9400	66	31	2	1	0	20	109	NF		W.N.L	97/100	4.2	3.74	3.5	2.46	7.93	3.29	(FEVI/FVC)%Pred >95 and EVC%Pred <64	
SUNIL CHANDA	11691	08-01-1984	03-11-2010	39	165	75	junior Executive	O(+)	138	86	13.8	7600	62	33	4	1	0	16	138	NF		W.N.L	86/88	3.36	2.08	2.83	1.8	6.95	5.21	(FEVI/FVC)%Pred <84 and EVC%Pred >80	
SURAJIT SARKAR	12620	07-04-1988	16-08-2013	35	166	58	Sr. Assistant	B(+)	110	86	14	7900	68	24	6	2	0	32	93	NF		W.N.L	85/86	3.58	2.94	3.03	2.03	7.26	3.01	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
SUSANTA DAS	10538	22-05-1972	04-01-2003	51	166	60	Sr. Officer	B(+)	128	84	12.9	6700	60	29	7	4	0	18	156	NF		W.N.L	89/93	3.31	2.41	2.73	2.08	6.81	5.52	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
UJJWAL KANTI ROY	10767	17-06-1980	01-05-2006	42	166	59	Lab Assistant	AB(+)	120	80	14	5600	66	27	9	3	0	15	76	NF		W.N.L	89/92	3.66	3.37	3.04	2.67	7.26	3.54	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
VASKAR CHAKRABORTY	11364	11-03-1984	01-01-2010	39	170	64	Junior Chemist	A(+)	120	80	13	6700	68	28	3	1	0	11	88	NF		W.N.L	88/92	3.4	3.73	2.87	2.86	7.02	4.43	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
VIVEKANDA SAMANTA	10566	09-06-1977	01-08-2003	46	164	66	Assistant Officer	AB(+)	130	84	12.7	7200	57	36	5	2	0	21	149.1	NF		W.N.L	95/96	3.58	2.85	2.95	2.38	7.12	7.10	(FEVI/FVC)%Pred >95 and EVC%Pred <80	

Dilip Kr Bhakta 18/8/23

DR. D.K. BHAKTA
MBBS (CAL)
Medical Officer
Reg. No. - 61987

(MEDICAL CHECK UP LIST FOR WORKERS-2022-2023)

	NAME	EMP.NO	DATE OF BIRTH	DATE OF JOINING	AGE	HT/CMS	WT/KGS	DESIG.	B GRO	BLOOD PRESSURE		HB in gm/dl	WBC	N	L	E	M	B	ESR mm/1hr	RBS	Sputum AFB	VISION	X-RAY	EX	FVC		FEVI		PEFR		PFT	SUMMARY
										SYS	DIS															Pred	PRE	Pred	PRE	Pred	PRE	RESULT	
1	AMAL MAHATA	11055	03-05-1988	04-05-2008	35	162	61	Jr. Ope	A+	120	80	13.2	5400	55	40	4	1	0	10	89	NF		W.N.L	92/94	3.26	2.62	2.77	1.99	6.87	7.07	(FEVI/FVC)%Pred<95 and FVC%Pred>80	
2	ANTU GHOSH	11105	23-09-1989	02-08-2008	33	167	60	Jr. Ope	B+	122	82	12.8	4500	55	36	5	4	0	14	74	NF		W.N.L	86/88	3.60	3.10	3.06	2.65	7.29	7.53	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
3	ARUP RAJAK	10565	19-02-1981	01-08-2003	42	174	75	Ope/Tech.	O-	120	80	13	6300	61	32	4	3	0	12	144	NF		W.N.L	91/94	3.89	3.50	3.22	2.82	7.51	8.10	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
4	ASHOK KR. SHAW	10692	26-06-1987	01-09-2005	35	180	84	Ope/Tech.	O+	120	80	14.0	8000	59	38	2	1	0	15	105	NF		W.N.L	96/98	3.56	3.17	3.01	2.65	7.22	8.14	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
5	BHANU PANDEY	10580	29-10-1979	01-11-2003	43	166	66	Ope/Tech.	A+	118	80	12.7	7000	62	31	5	2	0	13	103.9	NF		W.N.L	96/99	3.41	2.49	2.85	2.20	6.98	7.96	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
6	BIJOY DAS	10887	01-08-1985	01-07-2007	37	168	57	Ope/Tech.	A+	120	80	14.1	6200	66	29	3	2	0	18	99	NF		W.N.L	78/82	3.73	3.89	3.11	3.12	7.36	6.30	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
7	BINOD KR. HAZIRA	10665	19-01-1982	01-06-2005	41	159	56	Ope/Tech.	A+	116	78	13.2	8100	71	26	2	1	0	16	111	NF		W.N.L	89/91	3.11	2.72	2.63	2.24	6.67	6.37	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
8	BISWAJIT SAMANTA	11323	21-09-1982	01-10-2009	40	171	55	Ope/Tech.	AB+	116	76	13	7600	63	31	4	2	0	20	132	NF		W.N.L	90/94	3.82	3.65	3.17	3.15	7.44	7.90	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
9	BUDDHADEV PANJA	11775	23-02-1990	01-01-2011	33	168	50	Ope/Tech.	B+	120	80	13.6	6700	57	35	5	3	0	17	105.7	NF		W.N.L	78/81	3.76	3.75	3.18	3.09	7.47	8.57	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
10	CH. SATISH KUMAR	10783	15-02-1981	01-07-2006	42	167	75	Ope/Tech.	O+	118	80	12.9	7500	55	39	2	1	0	12	81	NF		W.N.L	86/88	3.39	3.20	2.82	2.76	6.95	8.81	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
11	DEBASIS NANDI	10688	24-01-1980	01-09-2005	43	171	57	Ope/Tech.	O+	120	80	13	5700	62	28	6	4	0	15	93	NF		W.N.L	86/88	3.78	3.11	3.12	2.54	7.37	8.18	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
12	DILLIP KR. GOUDA	11085	01-11-1980	01-07-2008	42	163	66	Ope/Tech.	A+	116	76	12.8	8400	60	33	4	3	0	13	105	NF		W.N.L	93/96	3.55	3.30	2.95	2.65	7.13	7.41	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
13	GANESH MAHATA	10922	07-03-1986	01-09-2007	37	169	65	Jr. Ope	O+	120	80	12.6	7200	65	30	3	2	0	12	117	NF		W.N.L	92/94	3.63	2.63	3.06	2.25	7.29	6.25	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
14	GHANSHYAM PANDEY	10931	10-10-1988	01-10-2007	34	157	55	Jr. Ope	O+	130	86	12	6300	56	41	2	1	0	18	1000	NF		W.N.L	82/84	2.98	2.49	2.59	2.07	6.62	5.62	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
15	GOUTAM HALDAR	10577	02-05-1984	01-10-2003	39	159	54	Ope/Tech.	B+	122	80	14.5	6100	55	40	3	2	0	10	92	NF		W.N.L	91/92	3.17	2.43	2.70	2.06	6.78	3.25	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
16	GOUTAM MAHATA	10550	01-01-1980	03-04-2003	43	166	64	Ope/Tech.	O+	120	80	13.2	9100	58	37	4	1	0	10	87	NF		W.N.L	92/98	3.41	3.67	2.85	2.63	6.98	8.78	(FEVI/FVC)%Pred<95 and FVC%Pred>80	
17	HARIDAS MANDAL	10578	25-12-1981	01-10-2003	41	164	72	Ope/Tech.	B+	124	82	14.3	8400	65	30	3	2	0	15	98	NF		W.N.L	90/92	3.34	2.21	2.80	1.84	6.92	2.65	(FEVI/FVC)%Pred>95 and FVC%Pred<80.	
18	JAGABANDHU MAHATA	10542	25-12-1977	05-02-2003	45	168	65	Ope/Tech.	O+	118	80	13.3	4900	67	26	4	3	0	14	89	NF		W.N.L	87/91	3.51	2.18	2.90	1.67	7.06	6.24	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
19	JAY RAM DEBSINGHA	10813	06-04-1984	01-11-2006	39	170	50	Ope/Tech.	O+	124	84	12.9	5600	65	31	3	1	0	28	105	NF		W.N.L	81/83	3.84	2.18	3.19	1.54	7.48	4.06	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
20	KARTIK CHALAK	10916	08-02-1989	01-09-2007	34	159	50	Jr. Ope	A+	118	80	12.4	8100	68	25	6	1	0	20	99.5	NF		W.N.L	82/84	2.98	2.49	2.59	2.07	6.62	5.62	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
21	KOUSHIK ADHIKARY	12092	04-12-1990	01-07-2010	32	167	56	Jr. Ope	B+	116	76	13.2	6400	62	34	2	2	0	15	92	NF		W.N.L	89/93	3.83	1.07	3.23	0.74	7.54	1.57	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
22	MANAS BISAI	10562	10-02-1980	01-08-2003	43	175	55	Ope/Tech.	B+	118	80	13	5300	53	42	4	1	0	12	83	NF		W.N.L	83/88	3.76	4.42	3.10	3.46	7.34	8.93	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
23	MANOJ MAHATA	10563	10-10-1980	01-08-2003	42	168	60	Ope/Tech.	O+	116	76	13.1	7600	59	37	3	1	0	17	81.7	NF		W.N.L	86/91	3.55	3.65	2.95	3.07	7.13	7.07	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
24	P. SASIBHUSAN RAO	10549	01-01-1978	01-04-2003	45	153	50	Ope/Tech.	O+	116	78	12.8	6200	64	31	3	2	0	20	190	NF		W.N.L	88/90	2.72	2.18	2.33	1.71	6.24	8.24	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
25	PRAKASH MAHATA	12101	10-04-1984	01-07-2010	39	165	54	Jr. Ope	A+	116	78	13.8	8100	59	38	2	1	0	20	78	NF		W.N.L	82/85	3.40	2.59	2.87	2.10	7.02	6.88	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
26	PRANAB BISWAS	12093	25-02-1989	01-07-2010	34	167	56	Jr. Ope	B+	122	82	13.6	6300	62	31	5	2	0	18	89	NF		W.N.L	88/90	3.49	4.20	2.96	2.95	7.16	7.57	(FEVI/FVC)%Pred<84 and FVC%Pred>80	
27	PRASENJIT DAS	11966	25-04-1987	07-07-2011	36	156	48	Ope/Tech.	A+	120	80	13.1	8400	70	23	5	2	0	26	97.4	NF		W.N.L	88/92	3.58	2.67	3.03	2.12	7.26	4.91	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
28	PRIYARANJAN GHNTA	11023	27-03-1981	01-03-2008	42	168	59	Ope/Tech.	O+	120	80	13.2	7600	66	28	4	2	0	10	96.2	NF		W.N.L	91/93	3.43	3.15	2.87	2.52	7.02	5.01	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
29	RAMESH BAIRAGI	10599	02-03-1982	01-06-2004	41	155	59	Ope/Tech.	O+	116	74	12.9	8000	59	32	6	3	0	10	100	NF		W.N.L	90/96	3.13	2.51	2.65	2.04	6.71	6.89	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
30	RAMPADA MAHATA	11772	24-01-1989	01-07-2009	34	159	55	Jr. Ope	O+	122	80	13.6	7300	60	36	3	1	0	15	93.1	NF		W.N.L	86/88	3.58	2.67	3.03	2.12	7.26	4.91	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
31	RINTU BHUNIA	11743	15-05-1984	01-06-2009	39	157	54	Jr. Ope	A+	130	86	12.4	7900	68	25	5	2	0	20	96	NF		W.N.L	87/89	3.26	2.62	2.77	1.99	6.87	7.07	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
32	SAMIT ADHIKARI	11098	12-09-1985	01-08-2008	37	164	49	Jr. Ope	B+	116	76	12.8	6700	57	40	2	1	0	18	78	NF		W.N.L	78/80	3.26	2.62	2.77	1.99	6.87	7.07	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
33	SANAT MAHATA	11911	05-11-1988	01-11-2009	34	171	51	Jr. Ope	A+	120	80	13.3	7600	66	38	4	2	0	10	89	NF		W.N.L	86/89	3.74	2.62	3.16	1.97	7.44	5.80	(FEVI/FVC)%Pred>95 and FVC%Pred<70	
34	SANDIP MAHATA	10687	15-01-1982	01-09-2005	41	157	52	Ope/Tech.	A+	116	76	12.6	6300	61	29	6	4	0	10	105	NF		W.N.L	82/96	3.11	2.72	2.63	2.24	6.67	6.37	(FEVI/FVC)%Pred<95 and FVC%Pred>80	
35	SANDIP MONDAL	11967	02-09-1990	12-07-2011	32	171	62	Ope/Tech.	O+	124	80	13	8100	61	31	5	3	0	15	110	NF		W.N.L	90/94	3.76	3.03	3.18	2.55	7.47	7.01	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
36	SANJIB DUTTA	10572	27-11-1976	01-09-2003	46	164	56	Ope/Tech.	B+	124	84	13.2	8200	62	33	3	2	0	14	113	NF		W.N.L	82/86	3.28	2.42	2.73	1.85	6.81	7.06	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
37	SANJOY MANA	11073	04-01-1979	02-06-2008	44	165	62	Jr. Ope	B+	124	80	13.8	6800	59	38	2	1	0	28	81	NF		W.N.L	90/93	3.37	3.24	2.80	2.74	6.91	9.21	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
38	SANKAR MONDAL	11397	25-04-1976	01-03-2010	47	160	65	Ope/Tech.	B+	118	80	14.2	8600	55	42	2	1	0	10	79	NF		W.N.L	95/97	3.33	2.66	2.76	2.17	6.84	6.86	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
39	SANTANU BAG	12227	18-04-1991	01-08-2012	32	172	58	Ope/Tech.	B+	120	80	12.8	8100	59	35	4	1	0	10	106	NF		W.N.L	89/91	4.08	2.96	3.42	2.07	7.82	6.06	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
40	SANTU DOLAI	11128	01-05-1987	01-10-2008	36	168	65	Jr. Ope	B+	120	80	14	5500	51	42	6	2	0	15	113	NF		W.N.L	83/98	3.56	2.72	3.01	2.28	7.22	3.35	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
41	SASADHAR MAHATA	10574	02-03-1967	01-09-2003	56	173	60	Ope/Tech.	A+	130	86	13	5800	56	40	3	1	0	10	92	NF		W.N.L	86/92	3.25	2.76	2.66	2.28	6.71	5.27	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
42	SIBU ROUTH	10876	20-03-1981	01-05-2007	42	156	62	Ope/Tech.	B+	122	80	13.1	6700	52	41	5	2	0	28	98	NF		W.N.L	93/95	2.98	2.49	2.59	2.07	6.62	5.62	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
43	SK. KAMALUDDIN	11053	12-01-1987	02-05-2008	36	165	70	Jr. Ope	O+	120	80	13.6	6100	68	27	4	1	0	20	115	NF		W.N.L	93/99	3.47	2.01	2.94	1.76	7.12	4.58	(FEVI/FVC)%Pred>95 and FVC%Pred<64	
44	SOUGATA PAN	11642	01-05-1990	02-02-2009	33	166	60	Jr. Ope	A+	124	84	13.2	5400	68	25	5	2	0	24	112	NF		W.N.L	85/90	3.62	2.83	3.08	2.16	7.33	7.84	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
45	SOUMEN PAL	11322	21-10-1989	01-10-2009	33	161	59	Ope/Tech.	A+	120	80	14.2	7800	68	25	5	2	0	28	118	NF		W.N.L	88/92	3.37	2.75	2.88	2.45	7.05	5.50	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
46	SRIKANTA GHARAMI	10850	18-05-1985	01-02-2007	38	155	47	Ope/Tech.	B+	130	86	12.8	5900	59	34	4	3	0	20	107	NF		W.N.L	81/83	3.55	3.30	2.95	2.65	7.13	7.41	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
47	SUDHANSU KHA	10919	01-03-1987	01-09-2007	36	168	59	Jr. Ope	B-	124	84	14.5	6700	62	31	6	1	0	20	98	NF		W.N.L	88/92	3.56	2.79	3.01	2.00	7.22	5.27	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
48	SUDIP MONDAL	10545	27-01-1982	25-03-2003	41	165	52	Ope/Tech.	O+	116	74	13	7200	60	37	2	1	0	14	86	NF		W.N.L	84/86	3.40	2.59	2.87	2.10	7.02	6.88	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
49	SUKUMAR MAHATA	11899	24-03-1990	02-10-2009	33	164	60	Jr. Ope	B+	124	76	13.6	8600	54	36	6	4	0	28	92	NF		W.N.L	89/92	3.49	4.20	2.96	2.95	7.16	7.57	(FEVI/FVC)%Pred<84 and FVC%Pred>80	
50	SUNIL MAHATA	10921	29-06-1978	01-09-2007	44	169	63	Ope/Tech.	A+	116	76	13.2	9300	60	32	5	3	0	10	106.2	NF		W.N.L	85/87	3.60	3.19	2.97	2.80	7.16	7.90	(FEVI/FVC)%Pred>95 and FVC%Pred>80	
51	SUSANTA GHOSH	10684	09-03-1982	01-09-2005	41	153	47	Ope/Tech.	A+	120	80	12.9	8400	67	28	3	2	0	28	106	NF		W.N.L	83/85	2.76	2.06	2.38	1.72	6.31	5.63	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
52	SWARNA KAMAL SHIT	11774	19-04-1988	01-01-2011	35	173	71	Ope/Tech.	AB+	124	82	14	7600	68	29	2	1	0	20	126	NF		W.N.L	88/92	3.83	3.25	3.23	2.64	7.54	7.98	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
53	TARUN ROY	12128	25-04-1986	01-08-2010	37	166	51	Jr. Ope	B+	112	76	14.5	9200	50	41	7	2	0	26	79	NF		W.N.L	83/87	3.68	2.86	3.09	2.40	7.34	8.04	(FEVI/FVC)%Pred>95 and FVC%Pred<80	

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VISAKA INDUSTRIES LIMITED, MIDNAPORE DIVISION

(MEDICAL CHECK UP LIST FOR BIRENDRA NATH MAHATA- 2022-2023)

S.NO	NAME	EMP.NO	DATE OF BIRTH	DATE OF JOINING	AGE	HT/CMS	WT/KGS	DESIGNATION	BLOOD GROUP	BLOOD PRESSURE		Hb in gm%	WBC	N	L	M	E	B	ESR mm/1hr	RBS	Sputum AFB	VISION	X-RAY	CHEST EXP(cms)	FVC		FEVI		PEFR		PFT	SUMMARY
										SYS	DIS														Pred	PRE	Pred	PRE	Pred	PRE	RESULT	
37	Amit Mahata	BM-1	7-Aug-1987	8-Feb-2007	35	153	45	Contractor Worker	O+	120	80	11.8	5900	62	34	3	1	0	15	83	NF		W.N.L	77/78	3.08	2.67	2.64	2.67	6.70	8.76	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
38	Ashish Mahata	BM-41	29-Dec-1980	7-Aug-2016	42	165	56	Contractor Worker	B+	122	80	10.7	9500	63	32	4	1	0	18	81.6	NF		W.N.L	80/83	2.95	2.79	2.50	2.28	6.49	4.70	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
39	Balaram Mahata	BM-50	1-Jan-1971	1-Dec-2018	52	158	46	Contractor Worker	A+	122	80	11.8	8300	65	30	3	2	0	11	96	NF		W.N.L	78/80	3.13	3.33	2.65	2.15	6.71	5.36	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
40	Barun Roy	BM-2	1-Jan-1980	2-Mar-2006	43	167	55	Contractor Worker	O+	118	80	12.6	7600	51	41	5	3	0	22	87	NF		W.N.L	81/83	3.45	3.17	2.89	2.64	7.05	9.21	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
41	Bhakti Dule	BM-4	1-Jan-1981	1-Feb-2009	42	168	59	Contractor Worker	O+	124	84	13	8200	61	36	2	1	0	19	102	NF		W.N.L	81/84	3.13	2.72	2.65	2.06	6.71	4.29	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
42	Bholanath Dolui	BM-5	13-Dec-1970	1-Feb-2007	52	163	48	Contractor Worker	A+	130	86	12.3	7100	59	35	4	2	0	21	99	NF		W.N.L	77/80	3.59	2.81	2.91	2.37	7.06	7.46	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
43	Bimal Hasda	BM-6	20-Jul-1988	9-Jun-2009	34	159	65	Contractor Worker	A+	122	80	14	6200	52	45	2	1	0	17	108	NF		W.N.L	76/79	3.40	2.62	2.87	1.96	7.02	6.17	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
44	Chhitaranjan Ghosh	BM-7	1-Jan-1979	1-Jun-2009	44	170	74	Contractor Worker	AB+	114	76	13.1	8400	53	43	3	1	0	16	102	NF		W.N.L	80/82	3.18	2.66	2.59	2.29	6.60	5.39	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
45	Chittranjan Mahata	BM-8	15-Jul-1979	1-Jun-2009	43	157	56	Contractor Worker	O+	118	80	12.8	5600	51	42	5	2	0	13	96	NF		W.N.L	80/84	3.54	3.41	2.99	3.41	7.19	7.26	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
46	Dipak Adhikari	BM-9	15-Jul-1972	19-Jul-2009	50	185	60	Contractor Worker	B+	118	80	12.6	6300	53	40	4	3	0	8	93	NF		W.N.L	80/82	2.83	2.66	2.42	2.11	6.38	6.57	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
47	Dipak Mahata (1)	BM-10	20-Jun-1988	1-Sep-2011	34	167	52	Contractor Worker	O+	116	74	13	8800	57	38	3	2	0	12	73.9	NF		W.N.L	79/81	2.91	2.37	2.54	2.24	6.55	6.39	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
48	Ganga Roy	BM-42	8-Jan-1975	1-Aug-2016	48	162	55	Contractor Worker	B+	118	80	11.3	7300	63	31	4	2	0	18	105	NF		W.N.L	82/84	3.45	2.93	2.89	2.37	7.05	5.63	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
49	Gour Mahato	BM-11	1-Jan-1989	1-Sep-2011	34	158	45	Contractor Worker	A+	118	80	12.9	6700	60	36	3	1	0	22	92	NF		W.N.L	82/87	4.29	4.52	3.57	3.64	8.03	8.46	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
50	Jadunath Karmakar	BM-12	1-Jan-1980	2-Mar-2006	43	167	54	Contractor Worker	A+	124	84	12	7600	59	35	4	2	0	18	76.4	NF		W.N.L	79/83	3.43	3.49	2.87	2.41	7	6.1	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
51	Jhantu Mahata (1)	BM-13	15-Jul-1972	1-Jun-2004	50	163	57	Contractor Worker	A+	130	86	12.8	5500	65	31	3	1	0	20	78	NF		W.N.L	85/87	3.68	3.53	3.07	2.6	7.3	8.64	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
52	Jhantu Mahata (2)	BM-14	1-Jan-1981	15-Jul-2009	42	168	52	Contractor Worker	B+	122	80	12.2	8900	62	31	5	2	0	28	101	NF		W.N.L	85/86	3.32	3.21	2.86	2.76	7.02	5.75	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
53	Jiten Mahata	BM-43	23-Apr-1987	1-Aug-2016	36	154	43	Contractor Worker	AB+	124	84	13	9000	65	32	2	1	0	14	81.9	NF		W.N.L	82/84	4.19	3.45	3.46	2.77	7.86	6.37	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
54	Jitendra Bhandari	BM-15	1-Jan-1988	13-Jul-2009	35	168	55	Contractor Worker	O+	120	80	12.6	7300	63	28	5	4	0	12	93	NF		W.N.L	84/86	3.01	2.59	2.57	2.02	6.59	5.83	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
55	Kartik Mahata	BM-16	1-Jul-1983	22-Apr-2006	39	162	52	Contractor Worker	AB+	118	80	14.5	7900	66	29	4	1	0	21	86	NF		W.N.L	79/81	2.95	2.79	2.50	2.28	6.49	4.70	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
56	Kartik Mandi	BM-17	25-Jan-1990	2-Jun-2009	33	152	44	Contractor Worker	A+	124	84	12.8	8200	69	26	3	2	0	10	136	NF		W.N.L	97/100	3.74	3.56	3.16	3.18	7.44	6.35	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
57	Kashinath Mahata	BM-18	1-Jul-1975	10-Apr-2006	47	168	73	Contractor Worker	O+	130	86	12	8800	70	23	4	3	0	20	124	NF		W.N.L	82/84	2.74	2.20	2.27	1.85	6.15	4.62	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
58	Khagen Mahata	BM-19	15-Jul-1987	2-May-2005	35	159	56	Contractor Worker	B+	122	80	13	7600	68	29	2	1	0	16	109	NF		W.N.L	84/86	3.39	2.85	2.82	2.32	6.95	6.95	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
59	Madhu Mahata	BM-20	1-Jan-1979	1-Mar-2006	44	165	60	Contractor Worker	B+	114	76	13.1	6800	66	27	5	2	0	18	106	NF		W.N.L	82/86	3.53	2.69	2.93	2.13	7.09	4.50	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
60	Mantu Hemram	BM-22	1-Jan-1985	8-Jun-2009	38	166	49	Contractor Worker	B+	118	80	13.6	7200	65	30	4	1	0	14	79	NF		W.N.L	83/87	3.15	3.37	2.68	2.72	6.74	4.50	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
61	Mithun Mahata	BM-21	1-Jan-1980	2-Mar-2006	43	161	48	Contractor Worker	A+	118	80	11.9	7200	65	30	4	1	0	18	96	NF		W.N.L	82/84	3.40	2.62	2.87	1.96	7.02	6.17	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
62	Montu Roy	BM-23	2-Apr-1989	1-Feb-2009	34	163	50	Contractor Worker	AB+	116	74	12.6	8500	64	31	3	2	0	12	97	NF		W.N.L	80/82	3.55	3.32	3.03	2.68	7.26	5.71	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
63	Murarji Mahata	BM-24	1-Jan-1985	1-Sep-2011	38	153	46	Contractor Worker	B+	116	78	13	5500	61	32	5	2	0	14	103	NF		W.N.L	78/80	3.07	3.05	2.58	2.44	6.60	6.06	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
64	Nanda Dulai	BM-25	15-Jul-1970	2-Jun-2009	52	162	55	Contractor Worker	O+	120	80	15.2	5800	70	24	4	2	0	19	82.4	NF		W.N.L	87/89	3.13	3.33	2.65	2.15	6.71	5.36	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
65	Nirmal Duley	BM-26	9-Feb-1983	1-Feb-2007	40	163	54	Contractor Worker	AB+	120	80	12.8	6400	72	25	2	1	0	16	106	NF		W.N.L	80/83	3.63	3.02	3.04	2.52	7.27	5.79	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
66	Nirmal Ghosh	BM-44	12-Aug-1976	7-Aug-2016	46	165	58	Contractor Worker	AB+	130	86	13.1	6300	67	26	4	3	0	15	95	NF		W.N.L	82/84	2.85	1.93	2.45	1.40	6.41	2.61	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
67	Pasupati Mahata (1)	BM-27	1-Jan-1981	1-Jun-2009	42	160	60	Contractor Worker	A+	116	76	12.6	9200	68	27	3	2	0	20	99	NF		W.N.L	89/92	3.34	2.36	2.72	1.69	6.78	3.85	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
68	Phatik Mahata	BM-45	15-Jul-1972	1-Aug-2016	50	163	54	Contractor Worker	A+	122	80	11.9	8400	69	28	2	1	0	15	78	NF		W.N.L	80/82	2.67	3.01	2.24	2.77	6.1	6.32	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
69	Pintu Roy	BM-28	1-Apr-1991	1-Sep-2011	32	163	42	Contractor Worker	B+	130	86	11.7	6500	68	25	6	1	0	28	86	NF		W.N.L	82/86	3.66	3.38	3.13	2.77	7.39	4.91	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
70	Prasanta Dulay	BM-29	15-Jul-1983	1-Jun-2009	39	167	50	Contractor Worker	AB+	122	80	10.6	5600	62	31	5	2	0	16	92	NF		W.N.L	90/92	3.17	2.25	2.7	1.93	6.78	4.75	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
71	Rakhal Mahata	BM-30	1-Jul-1981	1-Jun-2004	41	155	43	Contractor Worker	O+	120	80	12.6	6800	57	40	2	1	0	12	100	NF		W.N.L	79/82	3.36	3.19	2.83	2.67	6.95	6.39	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
72	Samar Dolai	BM-47	1-Jan-1980	1-Aug-2016	43	158	46	Contractor Worker	B+	118	80	13	8200	52	41	4	3	0	13	98	NF		W.N.L	80/82	3.45	3.12	2.89	2.76	7.05	7.01	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
73	Sanjoy Bhandari	BM-31	1-Jan-1985	1-Sep-2011	38	159	51	Contractor Worker	B+	118	80	13.2	5400	58	38	3	1	0	15	121	NF		W.N.L	79/84	3.13	3.33	2.65	2.15	6.71	5.36	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
74	Shakti Mahata	BM-48	13-Feb-1968	12-Aug-2016	55	159	50	Contractor Worker	O+	124	84	12.9	6600	66	28	4	2	0	16	111	NF		W.N.L	87/89	2.9	2.19	2.4	1.63	6.33	5.41	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
75	Subash Mahata	BM-32	1-Jan-1979	1-Jun-2009	44	160	54	Contractor Worker	O+	116	74	13.6	6800	62	31	5	2	0	17	120	NF		W.N.L	86/90	2.89	3.2	2.43	2.57	6.39	8.1	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
76	Sunil Kumar Mandi	BM-33	15-Jan-1985	1-Feb-2009	38	158	66	Contractor Worker	B+	116	78	12.8	8200	60	37	2	1	0	18	192	NF		W.N.L	94/98	3.19	3.07	2.72	2.71	6.81	5.24	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
77	Sunil Singh	BM-34	15-Jul-1979	9-Jun-2009	43	160	62	Contractor Worker	B+	120	80	13	6300	58	33	6	3	0	24	106	NF		W.N.L	86/88	3.32	2.64	2.78	2.27	6.88	8.6	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
78	Susanata Dulay	BM-35	15-Apr-1989	9-Jun-2009	34	163	43	Contractor Worker	A+	120	80	12.9	9200	64	31	3	2	0	12	111	NF		W.N.L	82/84	3.25	2.68	2.66	2.02	6.71	6.98	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
79	Suvankar Singha	BM-49	16-Jun-1991	1-Aug-2016	31	158	46	Contractor Worker	A+	130	86	13.1	8100	60	35	4	1	0	21	79	NF		W.N.L	80/83	3.36	3.19	2.83	2.67	6.95	6.39	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
80	Swapan Ghosh	BM-36	1-Jan-1976	17-Jul-2009	47	165	51	Contractor Worker	A+	116	76	12.3	7600	55	42	2	1	0	26	92	NF		W.N.L	80/83	3.12	3.22	2.61	2.36	6.63	3.65	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
81	Swapan Mahata (1)	BM-37	1-Jan-1974	3-Mar-2006	49	160	65	Contractor Worker	O+	120	80	12.8	5900	65	28	5	2	0	23	177	NF		W.N.L	90/92	2.9	1.91	2.4	1.55	6.33	6.16	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
82	Swapan Mahata-5	BM-38	1-Jan-1982	10-Nov-2009	41	168	69	Contractor Worker	B+	118	80	11.3	8600	66	31	2	1	0	24	105	NF		W.N.L	75/78	2.95	2.79	2.50	2.28	6.49	4.70	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
83	Tapan Mahata	BM-39	15-Jul-1975	2-May-2005	47	169	54	Contractor Worker	O+	124	84	11.8	5600	50	45	3	2	0	18	78	NF		W.N.L	80/82	3.34	2.63	2.72	1.71	6.78	3.38	(FEVI/FVC)%Pred<95 and FVC%Pred<80	
84	Uttam Mahata	BM-40	15-Jul-1984	1-Jun-2004	38	150	55	Contractor Worker	B+	130	86	12.6	5400	56	27	6	1	0	16	92	NF		W.N.L	82/84	3.01	2.59	2.57	2.02	6.59	5.83	(FEVI/FVC)%Pred<95 and FVC%Pred >80	

Dilip Kr Bhakta
26/06/22

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VISAKA INDUSTRIES LIMITED, MIDNAPORE DIVISION

(MEDICAL CHECK UP LIST FOR SANTOSH KUMAR MAHATA- 2022-2023)

S.NO	NAME	EMP.NO	DATE OF BIRTH	DATE OF JOINING	AGE	HT/CMS	WT/KGS	DESIGNATION	BLOOD GROUP	BLOOD PRESSURE		HB in gm%	WBC	N	L	M	E	B	ESR mm/1hr	RBS	Sputum AFB	VISION	X-RAY	CHEST EXP(cms)	FVC		FEVI		PEFR		PFT - RESULT	SUMMARY
										SYS	DIS														Pred	PRE	Pred	PRE	Pred	PRE		
1	Ajit Mahata	SKM-1	14-May-1981	22-Jun-2009	42	167	61	Contractor Worker	B+	114	76	13.1	7100	68	26	4	2	0	18	135.4	NF		W.N.L	83/88	3.43	3.32	2.87	2.77	7.02	8.06	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
2	Anadi Mahata	SKM-2	1-Jan-1980	1-Apr-2006	43	160	55	Contractor Worker	A+	118	80	12.9	5800	54	43	2	1	0	13	98	NF		W.N.L	88/91	3.17	2.55	2.62	2.15	6.64	6.58	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
3	Barun Kumar Mahata	SKM-3	16-Dec-1974	1-Jun-2009	48	169	49	Contractor Worker	A+	118	80	13.1	6800	57	38	3	2	0	16	121	NF		W.N.L	81/83	3.30	1.72	2.76	1.66	6.85	5.91	(FEVI/FVC)%Pred>95 and FVC%Pred <64	
4	Budheswar Mahata	SKM-4	15-Jul-1979	1-Feb-2004	43	164	45	Contractor Worker	B+	118	80	13.6	6400	64	28	5	3	0	16	87.1	NF		W.N.L	78/81	3.32	3.47	2.70	2.35	6.75	5.95	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
5	Dhananjay Ghosh	SKM-5	1-Jan-1983	1-Apr-2008	40	179	55	Contractor Worker	B+	116	74	12.8	5300	62	31	5	2	0	13	93.2	NF		W.N.L	83/86	3.51	3.16	2.90	2.02	7.06	3.06	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
6	Dipak Mahata	SKM-6	15-Jul-1979	1-Feb-2004	43	165	56	Contractor Worker	A+	116	78	13	6300	56	39	4	1	0	12	100	NF		W.N.L	81/83	3.33	3.58	2.84	2.03	6.98	2.63	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
7	Gobinda Mahata	SKM-7	15-Jul-1976	1-Jun-2009	46	176	52	Contractor Worker	O+	120	80	13.2	6700	52	44	3	1	0	10	86.8	NF		W.N.L	80/84	3.50	2.37	2.94	1.98	7.12	4.68	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
8	Gopal Mahata	SKM-8	3-Jul-1976	5-Jan-2007	46	167	55	Contractor Worker	O+	112	76	12.8	7300	67	26	5	2	0	11	78	NF		W.N.L	81/86	3.81	4.19	3.12	3.36	7.37	7.25	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
9	Jageswar Mahata	SKM-9	1-Jul-1978	1-Apr-2006	44	167	48	Contractor Worker	A+	114	76	12	8200	70	25	4	1	0	16	92	NF		W.N.L	81/83	3.47	3.76	2.86	3.02	6.99	6.10	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
10	Jaladhar Mahato	SKM-10	15-Jul-1987	21-Jul-2009	35	178	64	Contractor Worker	A+	118	80	13.6	6200	62	31	5	3	0	16	101	NF		W.N.L	88/93	2.76	3.4	2.38	2.8	6.31	7.41	(FEVI/FVC)%Pred>95 and FVC%Pred >80.	
11	Joydip Roy	SKM-11	12-Mar-1976	5-Jun-2009	47	165	58	Contractor Worker	B+	118	80	12.9	7200	52	45	2	1	0	17	115	NF		W.N.L	83/88	3.19	2.5	2.72	2.04	6.81	4.95	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
12	Kadan Murmu	SKM-12	15-Jul-1978	1-Nov-2003	44	162	54	Contractor Worker	B+	118	80	13	6800	48	46	4	2	0	13	92	NF		W.N.L	88/91	3.33	2.64	2.76	2.11	6.84	4.09	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
13	Mantu Charan Mahata	SKM-13	15-Jul-1971	1-Nov-2003	51	154	45	Contractor Worker	B+	116	74	12.8	5300	54	42	3	1	0	15	108	NF		W.N.L	81/83	3.32	3.03	2.7	2.45	6.75	4.3	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
14	Nishu Dolai	SKM-14	1-Jun-1984	1-Apr-2008	39	165	60	Contractor Worker	B+	116	78	11.8	6400	67	30	02	01	0	12	93	NF		W.N.L	78/81	2.76	2.93	2.38	2.34	6.31	6.69	(FEVI/FVC)%Pred<95 and FVC%Pred <70	
15	Nirmal Chandra Singh	SKM-15	7-Jun-1975	1-Jun-2009	48	163	53	Contractor Worker	O+	120	80	12	7300	62	31	5	2	0	14	121	NF		W.N.L	83/86	3.35	3.16	2.78	2.51	6.88	6.97	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
16	Dilip Mahata	SKM-16	28-Oct-1974	2-Jan-2012	48	153	46	Contractor Worker	A+	116	76	13.6	8200	57	36	5	2	0	16	100	NF		W.N.L	82/84	3.32	3.03	2.70	2.45	6.75	4.30	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
17	Palash Singh	SKM-17	15-Jul-1983	1-Apr-2005	39	158	44	Contractor Worker	O+	120	80	12.8	5200	67	26	4	3	0	10	76	NF		W.N.L	88/91	2.88	2.79	2.47	2.32	6.45	4.95	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
18	Prashanta Singh	SKM-18	2-Apr-1986	6-Jun-2009	37	159	55	Contractor Worker	B+	120	80	14	5200	62	34	3	1	00	19	81	NF		W.N.L	78/81	3.34	2.21	2.80	1.84	6.92	2.65	(FEVI/FVC)%Pred>95 and FVC%Pred<80.	
19	Ranjit Singh	SKM-19	15-Jul-1977	1-Nov-2003	45	158	46	Contractor Worker	A+	118	80	13	4900	62	20	6	4	0	16	103	NF		W.N.L	83/86	3.41	2.49	2.85	2.20	6.98	7.96	(FEVI/FVC)%Pred>95 and FVC%Pred<80	
20	Sanat Mahata	SKM-20	1-Jan-1986	10-Jan-2007	37	158	52	Contractor Worker	A+	124	84	13.6	6400	60	35	03	02	00	14	100	NF		W.N.L	71/76	3.54	3.65	2.99	2.76	7.19	6.69	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
21	Sanatan Dolai	SKM-21	1-Jun-1988	1-Apr-2008	35	164	44	Contractor Worker	B+	130	86	12.8	6000	62	35	2	1	00	12	98	NF		W.N.L	78/82	3.02	3.40	2.63	2.75	6.69	7.71	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
22	Sanjay Mahato	SKM-22	1-Jan-1984	2-Jan-2012	39	171	54	Contractor Worker	O+	122	80	13	5900	62	31	5	2	0	11	103	NF		W.N.L	82/84	3.33	3.58	2.84	2.03	6.98	2.63	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
23	Satish Mahata	SKM-23	15-Jul-1974	1-Nov-2003	48	161	59	Contractor Worker	B+	128	84	12.8	7800	47	44	6	3	0	10	81	NF		W.N.L	86/91	2.90	2.84	2.40	2.07	6.33	6.08	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
24	Shakti Pada Mana	SKM-24	1-Jan-1973	1-Jun-2009	50	172	75	Contractor Worker	O+	136	90	13	7500	60	35	3	2	0	19	87	NF		W.N.L	80/83	3.29	3.14	2.71	2.64	6.78	8.16	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
25	Shishir Santra	SKM-25	1-Jan-1977	2-Jan-2007	46	168	60	Contractor Worker	B+	120	80	13.6	8500	66	31	2	1	0	18	77	NF		W.N.L	88/91	3.49	3.12	2.88	2.41	7.03	5.95	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
26	Subhas Mahata	SKM-26	15-Jul-1979	1-Feb-2004	43	160	49	Contractor Worker	A+	120	80	12.8	7400	66	27	5	2	0	15	101	NF		W.N.L	78/83	3.15	2.15	2.68	1.72	6.74	5.92	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
27	Sujit Singh	SKM-27	1-Jul-1984	1-Apr-2006	38	161	50	Contractor Worker	O+	116	74	13	6400	62	32	4	2	0	15	88	NF		W.N.L	81/83	3.44	3.03	2.92	2.29	7.09	3.74	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
28	Susanta Mandal	SKM-28	6-Mar-1991	17-Jun-2009	32	161	52	Contractor Worker	O+	116	78	12.8	7600	61	31	05	03	0	10	87	NF		W.N.L	78/81	3.32	3.41	2.86	2.65	7.02	6.69	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
29	Tapan Kumar Ghosh	SKM-29	21-Nov-1971	1-Jun-2009	51	160	56	Contractor Worker	O+	120	80	13.5	5100	53	42	4	1	0	12	99	NF		W.N.L	82/86	2.99	2.41	2.47	1.81	6.43	3.44	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
30	Tapan Kumar Mahata	SKM-30	15-Jul-1976	1-Apr-2005	46	158	53	Contractor Worker	O+	120	80	12.7	6900	50	40	06	4	0	14	91	NF		W.N.L	75/79	3.15	2.15	2.68	1.72	6.74	5.92	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
31	Tapan Mahata (2)	SKM-31	1-Jun-1988	1-Apr-2008	35	158	53	Contractor Worker	A+	118	80	13	7000	65	26	6	3	0	18	81.2	NF		W.N.L	78/81	3.35	3.04	2.78	2.46	6.88	8.24	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
32	Ujjal Singh	SKM-32	15-Jul-1985	1-Jun-2003	37	166	56	Contractor Worker	A+	116	76	12.9	7200	60	32	5	3	0	13	115	NF		W.N.L	84/86	3.58	3.46	3.03	2.92	7.26	5.41	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
33	Umesh Mahata	SKM-33	15-Jul-1981	1-Apr-2005	41	168	59	Contractor Worker	B+	120	80	12.7	8100	58	36	4	2	0	12	98	NF		W.N.L	79/82	3.45	3.29	2.89	2.62	7.05	5.19	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
34	Mantu Mahata	SKM-34	10-Jan-1982	2-Aug-2016	41	165	68	Contractor Worker	B+	116	76	13	7800	58	37	3	2	0	8	98	NF		W.N.L	88/91	3.44	3.03	2.92	2.29	7.09	3.74	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
35	Amal Choira	SKM-35	11-Jun-1993	1-Jan-2019	30	167	50	Contractor Worker	B+	120	80	13.2	4900	58	42	6	4	0	18	78	NF		W.N.L	77/78	3.28	2.76	2.88	2.35	7.04	5.27	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
36	Kamal Lohar	SKM-36	16-Sep-1981	1-Dec-2018	41	160	52	Contractor Worker	A+	120	80	12.8	5300	58	39	2	1	0	20	103	NF		W.N.L	81//83	3.22	2.35	2.72	1.93	6.80	6.00	(FEVI/FVC)%Pred>95 and FVC%Pred <80	

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VISAKA INDUSTRIES LIMITED, MIDNAPORE DIVISION

(MEDICAL CHECK UP LIST FOR HARABILASH MONDAL- 2022-2023)

S.NO	NAME	EMP.NO	DATE OF BIRTH	DATE OF JOINING	AGE	HT/CMS	WT/KGS	DESINGATION	BLOOD GROUP	BLOOD PRESSURE		HB in gm%	WBC	N	L	M	E	B	ESR mm/1hr	RBS	Sputum AFB	VISION	X-RAY	CHEST EXP(cms)	FVC		FEVI		PEFR		PFT	SUMMARY
										SYS	DIS														Pred	PRE	Pred	PRE	Pred	PRE	RESULT	
85	Anjan Choubay	HM-1	7-Dec-1988	1-Sep-2010	35	181	90	Contractor Worker	B+	124	84	13.6	5300	61	31	5	3	0	20	72	NF		W.N.L.	109/111	4.18	3.95	3.48	3.41	7.90	6.16	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
86	Arun Mahata	HM-2	1-Jan-1981	6-Jun-2009	42	163	52	Contractor Worker	AB+	120	80	12.8	4900	63	28	7	2	0	26	92	NF		W.N.L.	81/83	3.59	3.64	3	2.7	7.2	3.6	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
87	Ashis Mondal	HM-3	15-Jul-1984	1-Nov-2004	39	154	52	Contractor Worker	O+	116	76	11.6	7100	64	31	4	1	0	15	105	NF		W.N.L.	86/88	3.06	3.07	2.62	2.5	6.66	7.75	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
88	Ashoke Mahata	HM-4	1-Mar-1966	1-Apr-2004	57	182	60	Contractor Worker	B+	120	80	12.3	6400	54	38	5	3	0	14	112	NF		W.N.L.	80/82	3.28	2.56	2.56	2.07	6.68	5.9	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
89	Bablu Mahata	HM-37	7-Feb-1991	1-Aug-2016	27	168	45	Contractor Worker	AB+	118	80	12	5400	68	26	4	2	0	21	118	NF		W.N.L.	91/93	3.32	1.94	2.86	1.81	7.02	3.55	(FEVI/FVC)%Pred>95 and FVC%Pred <64	
90	Bapi Biswas	HM-5	25-May-1990	1-Jun-2009	33	160	58	Contractor Worker	A+	118	80	11.5	5000	67	30	2	1	0	20	90	NF		W.N.L.	83/85	3.3	2.65	2.84	1.89	6.98	4.7	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
91	Bulu Dolai	HM-6	29-Apr-1982	10-Jul-2009	41	170	54	Contractor Worker	A+	118	80	13	7200	70	26	3	1	0	19	87	NF		W.N.L.	75/78	3.56	3.46	3.01	2.59	7.22	6.29	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
92	Debasis Biswas	HM-7	2-Apr-1991	1-Jun-2009	32	162	50	Contractor Worker	O+	116	74	12.6	6500	71	21	6	2	0	17	81	NF		W.N.L.	84/86	3.47	3.8	2.94	3.04	7.12	6.3	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
93	Dilip Mahata	HM-8	15-Jul-1982	1-Nov-2004	41	170	65	Contractor Worker	A+	116	78	12.8	5500	68	2	5	3	0	13	100	NF		W.N.L.	90/92	3.36	2.73	2.83	2.34	6.95	5.67	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
94	Ganesh Biswas	HM-9	15-Jul-1982	1-Nov-2004	41	160	58	Contractor Worker	B+	120	80	13.1	6000	48	47	4	1	0	14	93	NF	NORMAL	W.N.L.	84/86	3.17	2.93	2.7	2.27	6.78	6.19	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
95	Gurudas Mondal	HM-10	10-Mar-1984	1-May-2003	39	162	55	Contractor Worker	B+	120	80	11.9	6300	60	34	4	2	0	20	81	NF		W.N.L.	82/86	3.31	2.9	2.82	2.28	6.94	6.68	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
96	Joydeb Mahata	HM-11	15-Jul-1978	1-Nov-2004	45	172	69	Contractor Worker	B+	130	86	13	7700	51	41	7	1	0	18	76	NF		W.N.L.	94/96	3.33	3.37	2.76	2.47	6.84	4.39	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
97	Kishore Adhikary	HM-12	8-May-1986	5-Mar-2006	37	173	75	Contractor Worker	B+	122	80	11.8	6500	50	43	5	2	0	15	90	NF		W.N.L.	94/97	3.56	3.46	3.01	2.59	7.22	6.29	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
98	Laxmikanta Mahata	HM-13	1-Apr-1986	5-Apr-2006	37	163	62	Contractor Worker	A+	116	78	12.2	8300	64	30	5	1	0	30	102	NF		W.N.L.	85/88	3.24	2.7	2.77	2.29	6.88	6.79	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
99	Laxminarayan Mahata	HM-14	8-Mar-1985	2-Mar-2006	38	170	54	Contractor Worker	AB+	120	80	12.3	8400	61	34	3	2	0	14	113	NF		W.N.L.	84/86	3.73	2.76	3.11	2.25	7.36	4.62	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
100	Makhan Mandal	HM-15	15-Jul-1968	1-Jun-2009	55	163	64	Contractor Worker	O+	120	80	12	4200	55	36	6	3	0	13	95	NF		W.N.L.	91/93	3.16	2.28	2.57	1.72	6.57	3.33	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
101	Manojit Mondal	HM-32	13-Apr-1990	1-Aug-2016	28	158	66	Contractor Worker	O+	120	80	11.8	6400	67	27	4	2	0	12	91	NF	NORMAL	W.N.L.	82/86	3.43	3.26	2.95	2.88	7.15	7.53	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
102	Milan Chakraborty	HM-36	3-Jan-1989	1-Aug-2016	29	160	58	Contractor Worker	A+	118	80	10.9	6300	59	38	2	1	0	10	100	NF		W.N.L.	82/83	3.26	2.91	2.79	2.17	6.91	5.01	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
103	Mithun Chakraborty	HM-16	14-Mar-1987	1-Mar-2006	36	161	50	Contractor Worker	A+	116	76	12.6	7100	65	30	4	1	0	21	96	NF		W.N.L.	88/91	3.1	3	2.67	2.46	6.73	5.5	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
104	Nathuram Mahata	HM-17	1-Jan-1965	1-Apr-2010	58	166	55	Contractor Worker	O+	120	80	12.1	6500	61	31	6	2	0	26	105	NF		W.N.L.	83/85	3.33	3.37	2.76	2.47	6.84	4.39	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
105	Pintu Ghosh	HM-33	1-Jan-1987	1-Aug-2016	31	160	62	Contractor Worker	O+	130	86	13	8300	63	29	5	3	0	29	112	NF		W.N.L.	83/85	3.17	3.07	2.7	2.58	6.78	5.1	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
106	Pradip Mahata	HM-34	7-Feb-1995	1-Aug-2016	23	163	46	Contractor Worker	AB+	122	80	13.2	7900	68	25	5	2	0	18	81	NF		W.N.L.	86/88	3.59	4.11	3.08	3.48	7.33	4.7	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
107	Prasanjit Pal	HM-18	2-Nov-1972	2-Mar-2009	51	141	62	Contractor Worker	O+	118	80	12.8	5200	55	38	4	3	0	17	98	NF		W.N.L.	94/96	2.42	2.14	2.04	1.93	5.82	3.29	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
108	Premchand Bala	HM-19	1-Jan-1979	1-Mar-2006	44	158	44	Contractor Worker	B+	124	84	11.6	4900	62	34	3	1	0	20	93	NF		W.N.L.	75/77	3.33	3.09	2.76	2.66	6.84	5.61	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
109	Rabindranath Mahato	HM-20	1-Jan-1976	1-Apr-2010	47	170	60	Contractor Worker	B+	120	80	12.8	7400	61	36	2	1	0	19	78	NF		W.N.L.	86/88	3.4	3.34	2.79	2.56	6.89	5.9	(FEVI/FVC)%Pred<95 and FVC%Pred >80	
110	Raju Halder	HM-21	15-Jul-1982	1-Nov-2004	41	164	68	Contractor Worker	A+	116	76	13	6400	68	26	5	1	0	16	102	NF		W.N.L.	93/95	2.96	2.04	2.47	1.55	6.43	2.94	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
111	Ram Haldar	HM-31	26-Nov-1980	1-Aug-2016	37	160	48	Contractor Worker	A+	120	80	12.3	6700	64	27	7	2	0	17	100	NF	NORMAL	W.N.L.	94/97	2.7	1.73	2.31	1.13	6.21	2.54	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
112	Sailen Mahata	HM-29	3-Jan-1974	1-Apr-2006	41	159	45	Contractor Worker	A+	116	74	12.2	8000	66	29	4	1	0	13	105	NF		W.N.L.	80/82	2.96	2.04	2.47	1.55	6.43	2.94	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
113	Sanjoy Biswas	HM-22	15-Jul-1984	1-May-2003	39	156	54	Contractor Worker	B+	120	80	12.8	8600	59	32	6	3	0	21	91	NF		W.N.L.	81/83	2.83	3.1	2.42	1.72	6.38	3.63	(FEVI/FVC)%Pred<65 and FVC%Pred >80	
114	Shankar Pan	HM-35	1-Jul-1970	1-Aug-2016	48	165	48	Contractor Worker	O+	120	80	11.6	9100	56	37	5	2	0	20	83	NF		W.N.L.	80/84	3.13	2.21	2.57	1.89	6.57	4.21	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
115	Sujit Mahata	HM-30	15-Jul-1980	1-Nov-2004	34	157	44	Contractor Worker	O+	116	78	10.5	7300	68	26	4	2	0	17	74	NF		W.N.L.	78/80	2.91	3.07	2.46	2.5	6.42	7.17	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
116	Surajit Biswas	HM-23	4-May-1989	1-Jun-2009	34	162	51	Contractor Worker	O+	118	80	13	5400	63	33	3	1	0	14	95	NF		W.N.L.	82/83	3.12	2.67	2.69	1.89	6.77	3.56	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
117	Swadesh Majumdar	HM-24	22-Apr-1985	1-Aug-2011	38	168	53	Contractor Worker	B+	118	80	12.8	7800	65	32	2	1	0	20	102	NF	NORMAL	W.N.L.	80/84	3.5	3.27	2.94	2.8	7.12	6.97	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
118	Swapan Mazumder	HM-25	10-Nov-1977	1-May-2003	46	156	56	Contractor Worker	B+	116	74	13.1	8500	62	31	5	2	0	18	110.8	NF		W.N.L.	85/87	2.73	2.07	2.31	1.71	6.21	7.15	(FEVI/FVC)%Pred>95 and FVC%Pred <80	
119	Tapan Biswas	HM-26	15-Jul-1984	1-Nov-2004	39	155	54	Contractor Worker	B+	116	78	12.8	9400	63	28	6	3	0	18	106	NF		W.N.L.	82/83	3.24	2.49	2.77	2.42	6.88	5.47	(FEVI/FVC)%Pre>95 and FVC%Pred <80	
120	Tarun Kumar Mahata	HM-27	5-Jul-1971	1-Mar-2006	52	166	65	Contractor Worker	B+	120	80	11.8	7900	72	25	2	1	0	13	98	NF		W.N.L.	84/86	3.27	3.11	2.69	2.48	6.74	6.79	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
121	Tuck Chand Paria	HM-28	1-Jan-1971	1-Apr-2010	52	170	62	Contractor Worker	A+	120	80	11.8	6800	57	38	4	1	0	12	109.5	NF		W.N.L.	82/84	3.49	3.44	2.88	2.61	7.03	4.81	(FEVI/FVC)%Pred<95 and FVC%Pred >80	

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VISAKA INDUSTRIES LIMITED, MIDNAPORE DIVISION

(MEDICAL CHECK UP LIST FOR KHAGENDRA NATH MAHATA- 2022-2023)

S.NO	NAME	EMP.NO	DATE OF BIRTH	DATE OF JOINING	AGE	HT/CMS	WT/KGS	DESINGATION	BLOOD GROUP	BLOOD PRESSURE		HB in gm%	WBC	N	L	M	E	B	ESR mm/1hr	RBS	Sputum AFB	VISION	X-RAY	CHEST EXP(cms)	FVC		FEVI		PEFR		PFT	SUMMARY
										SYS	DIS														Pred	PRE	Pred	PRE	Pred	PRE	RESULT	
122	Ajit Singh	KM-1	1-Jul-1982	1-Jul-2003	41	166	53	Contractor Worker	O+	116	76	13.2	5100	54	40	4	2	0	15	78.4	NF		W.N.L.	82/83	3.34	2.36	2.72	1.69	6.78	3.85	(FEVI/FVC)%Pred<95 and FVC%Pred <80	
123	Anjan Bag	KM-2	1-Jan-1988	1-Apr-2006	35	162	55	Contractor Worker	O+	120	80	12.8	6200	68	28	3	1	0	10	91.2	NF		W.N.L.	84/86	3.66	3.38	3.13	2.77	7.39	4.91	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
124	Bhakti Patar	KM-3	12-Jan-1988	1-Apr-2006	35	162	61	Contractor Worker	O+	118	80	13	5400	61	31	5	3	0	12	93	NF		W.N.L.	92/93	3.58	3.29	3.03	2.89	7.26	12.06	(FEV1/FEC)%Pred>95 and FVC%Pred>80	
125	Biswanath Mahanta	KM-4	1-Jan-1987	7-Jul-2006	36	156	55	Contractor Worker	B+	124	84	13.3	5900	56	37	6	1	0	14	80.2	NF		W.N.L.	82/83	3.39	2.1	2.91	1.98	7.08	2.74	(FEV1/FEC)%Pred<95 and FVC%Pred<80	
126	Buddheswar Mahato	KM-5	15-Jul-1976	4-Oct-2006	47	160	58	Contractor Worker	O+	130	86	12.6	6300	61	33	4	2	0	8	100.2	NF		W.N.L.	79/81	2.93	1.71	2.48	0.99	6.46	1.7	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
127	Chitta Mahata	KM-6	15-Jul-1970	1-Nov-2003	53	160	46	Contractor Worker	B+	122	80	13.2	7100	56	39	4	1	0	15	76	NF		W.N.L.	80/82	3.13	2.26	2.57	1.71	6.57	3.8	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
128	Dipak Roy	KM-7	1-Jan-1986	7-Apr-2006	37	160	52	Contractor Worker	A+	118	80	11.8	5200	54	41	3	2	0	14	87	NF		W.N.L.	78/82	3.22	3.15	2.81	2.3	6.94	6.29	(FEVI/FVC)%Pred <84 and EVC%Pred >80	
129	Dulal Mahato	KM-8	1-Jul-1970	1-Apr-2006	53	161	47	Contractor Worker	B+	116	74	11.3	6400	62	29	6	3	0	8	81	NF		W.N.L.	81/83	3.28	2.63	2.82	2.32	6.95	5.79	(FEV1/FEC)%Pred>95 and FVC%Pred<80	
130	Ganesh Singh	KM-9	1-Jan-1986	7-Apr-2006	37	156	52	Contractor Worker	B+	120	80	12.7	5600	63	31	5	1	0	16	142	NF		W.N.L.	81/83	3.4	2.96	2.87	2.66	7.02	6.61	(FEV1/FEC)%Pred>95 and FVC%Pred>80	
131	Gouri Dolai	KM-10	1-Jul-1969	1-Apr-2006	54	162	51	Contractor Worker	O+	120	80	11.8	7600	67	28	4	1	0	15	106	NF		W.N.L.	83/85	2.53	2.62	2.12	2.05	5.94	4.61	(FEV1/FEC)%Pred<95 and FVC%Pred>80	
132	Jaladhar Mahato	KM-11	1-Jul-1989	16-Aug-2006	34	159	54	Contractor Worker	B+	116	76	12.2	6200	63	30	5	2	0	18	97	NF		W.N.L.	79/82	3.58	3.29	3.03	2.89	7.26	12.06	(FEV1/FEC)%Pred>95 and FVC%Pred>80	
133	Kartik Mahata	KM-20	12-Dec-1977	1-Aug-2016	40	153	48	Contractor Worker	O+	116	74	13	4100	60	32	5	3	0	18	80	NF		W.N.L.	81/84	3.74	4.13	3.08	2.97	7.31	8.22	(FEV1/FEC)%Pred<95 and FVC%Pred>80	
134	Mangal Mandi	KM-21	1-Nov-1978	1-Aug-2016	40	162	55	Contractor Worker	B+	120	80	12.8	7300	60	35	3	2	0	17	83	NF		W.N.L.	85/87	3.33	3.58	2.84	2.03	6.98	2.63	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
135	Pradip Mahata	KM-12	15-Jul-1985	1-Jul-2003	38	160	54	Contractor Worker	B+	120	80	11.9	5400	65	29	4	2	0	16	107	NF		W.N.L.	82/84	3.54	3.46	2.99	2.95	7.19	7.45	(FEV1/FEC)%Pred>95 and FVC%Pred>80	
136	Prakash Mahata	KM-13	15-Jul-1968	1-Jul-2003	55	151	49	Contractor Worker	O+	118	80	12.6	6200	60	33	6	1	0	13	109	NF		W.N.L.	82/84	2.51	2.8	2.1	2.05	5.9	7.43	(FEV1/FEC)%Pred<95 and FVC%Pred>80	
137	Rakhahari Mahato	KM-14	1-Jan-1969	1-Apr-2006	54	156	53	Contractor Worker	B+	124	84	13	4900	58	36	4	2	0	12	76	NF		W.N.L.	81/83	2.96	1.89	2.47	1.83	6.43	4.66	(FEV1/FEC)%Pred>95 and FVC%Pred<64	
138	Sanjib Roy	KM-22	22-Apr-1975	3-Aug-2016	43	163	56	Contractor Worker	AB+	120	80	11.7	5800	54	42	3	1	0	10	82	NF		W.N.L.	79/82	2.9	2.84	2.4	2.07	6.33	6.08	(FEVI/FVC)%Pred>95 and FVC%Pred >80	
139	Sanjoy Patra	KM-15	3-Feb-1987	4-Apr-2006	36	158	55	Contractor Worker	A+	130	86	10.6	6300	62	28	6	4	0	11	107	NF		W.N.L.	79/81	3.28	2.63	2.82	2.32	6.95	5.79	(FEV1/FEC)%Pred>95 and FVC%Pred<80	
140	Shankar Mahata	KM-16	15-Jul-1975	1-Jul-2003	48	166	56	Contractor Worker	O+	130	86	11.8	6600	63	31	4	2	0	13	100.6	NF		W.N.L.	84/86	3.43	2.37	2.81	1.93	6.92	6.91	(FEV1/FEC)%Pred>95 and FVC%Pred<80	
141	Sunil Mahata	KM-18	15-Jul-1986	1-Jul-2003	37	158	50	Contractor Worker	A+	122	80	12	7400	60	30	7	3	0	12	98	NF		W.N.L.	78/82	3.12	2.67	2.69	1.89	6.77	3.56	(FEVI/FVC)%Pred<84 and FVC%Pred >80	
142	Sunit Mahata	KM-19	15-Jul-1978	1-Jul-2003	45	163	53	Contractor Worker	A+	118	80	13.1	7900	58	37	4	1	0	10	81	NF		W.N.L.	81/83	3.50	3.27	2.94	2.80	7.12	6.97	(FEVI/FVC)%Pred>95 and FVC%Pred >80	

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VISAKA INDUSTRIES LIMITED, MIDNAPORE DIVISION

(MEDICAL CHECK UP LIST FOR IRFAN ALI- 2022-2023)

S.NO	NAME	EMP.NO	DATE OF BIRTH	DATE OF JOINING	AGE	HT/CMS	WT/KGS	DESIGNATION	BLOOD GROUP	BLOOD PRESSURE		HB in gm%	WBC	N	L	M	E	B	ESR mm/1hr	RBS	Sputum AFB	VISION	X-RAY	CHEST EXP(cms)	PFT						SUMMARY
										SYS	DIS														FVC		FEV1		PEFR		RESULT	
																									Pred	PRE	Pred	PRE	Pred	PRE		
143	Ashok Mahato	IA-2	1-Jul-1975	5-Apr-2006	48	171	53	Contractor Worker	B+	118	80	12.9	8300	62	34	3	1	0	14	87	NF		W.N.L	81/83	3.94	3.44	3.26	2.83	7.58	8.62	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
144	Barun Mahata(A)	IA-3	15-Jul-1981	1-May-2003	42	163	42	Contractor Worker	A+	124	84	13.6	9100	55	36	7	2	0	19	91	NF		W.N.L	88/93	3.01	3.26	2.57	2.58	6.59	6.45	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
145	Basir Mallick	IA-4	1-Jan-1985	4-Jun-2009	38	159	58	Contractor Worker	O+	130	86	13.2	4800	64	31	4	1	0	12	103	NF		W.N.L	83/88	3.74	3.13	3.08	2.71	7.31	4.05	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
146	Bholanath Mahato	IA-5	15-Jul-1972	1-May-2003	51	162	50	Contractor Worker	O+	122	80	12.9	6900	66	26	6	2	0	18	82	NF		W.N.L	88/91	2.96	2.44	2.47	2.09	6.43	7.10	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
147	Biswanath Deb	IA-6	15-Jul-1973	1-Jan-2005	50	169	60	Contractor Worker	O+	120	80	13.2	7900	61	32	5	2	0	22	106	NF		W.N.L	81/83	2.7	2.02	2.23	1.5	6.08	5.07	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
148	Bubu Singh	IA-7	15-Jul-1983	1-May-2003	40	165	54	Contractor Worker	B+	116	76	12.8	8900	68	25	6	1	0	20	88	NF		W.N.L	78/81	3.06	3.51	2.62	2.62	6.66	7.48	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
149	Chhatrapati Mahato	IA-9	1-Jan-1982	5-Apr-2006	41	162	54	Contractor Worker	A+	120	80	14	4800	52	41	5	2	0	12	76	NF		W.N.L	83/86	3.03	2.82	2.60	2.33	6.63	7.07	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
150	Ganesh Mahato(A)	IA-10	11-Aug-1975	1-May-2003	48	165	48	Contractor Worker	B+	122	82	12.9	6300	56	39	2	3	0	28	100	NF		W.N.L	82/84	3.31	3.2	2.73	2.4	6.81	6.61	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
151	Jamshed Khan	IA-11	1-Jul-1986	15-Mar-2006	37	181	61	Contractor Worker	B+	116	78	13	4600	67	25	7	1	0	24	82	NF		W.N.L	88/91	4.23	3.98	3.5	3.83	7.92	8.51	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
152	Kamal Hosen Khan	IA-12	1-Jan-1980	4-Jun-2009	43	163	63	Contractor Worker	B+	112	76	12.8	7900	66	27	5	2	0	16	100	NF		W.N.L	78/81	2.97	2.78	2.53	2.24	6.52	7.43	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
153	Mahadev Mahata	IA-14	15-Jul-1982	11-Jun-2009	41	155	43	Contractor Worker	B+	118	80	13	9400	58	37	3	2	0	21	92	NF		W.N.L	83/86	4.01	2.07	3.3	1.41	7.62	4.27	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
154	Mangal Mahato	IA-15	1-Jul-1966	5-Apr-2006	57	165	54	Contractor Worker	O+	120	80	13	8300	65	28	5	2	0	16	93	NF		W.N.L	71/76	3.1	3.53	2.58	2.68	6.6	7.43	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
155	Muslim Khan	IA-16	15-Jul-1985	3-Jun-2009	38	154	43	Contractor Worker	B+	120	80	13.2	4900	55	40	3	2	0	12	101	NF		W.N.L	78/82	2.93	1.71	2.48	0.99	6.46	1.7	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
156	Nimai Mahata	IA-17	15-Jul-1986	4-Jun-2009	37	163	48	Contractor Worker	A+	122	82	13	6300	74	23	2	1	0	10	91	NF		W.N.L	82/84	3.13	2.26	2.57	1.71	6.57	3.8	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
157	Saidul Khan	IA-18	15-Jul-1990	4-Jun-2009	33	162	61	Contractor Worker	B+	116	78	14	9400	68	26	4	2	0	22	100	NF		W.N.L	86/91	3.22	3.15	2.81	2.3	6.94	6.29	(FEVI/FVC)%Pred <84 and EVC%Pred >80	
158	Samir Mallick	IA-19	1-Jul-1969	4-Apr-2006	54	168	68	Contractor Worker	O+	112	76	14.5	7700	66	29	4	1	00	28	82.1	NF		W.N.L	80/83	3.22	3.05	2.64	2.54	6.67	5.01	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
159	Sanjoy Mahato	IA-20	10-Apr-1979	1-May-2003	44	176	54	Contractor Worker	B+	114	76	13.2	5400	60	31	5	4	0	20	80.2	NF		W.N.L	88/91	3.13	2.26	2.57	1.71	6.57	3.8	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
160	Siba Prasad Mahato	IA-21	1-Jul-1976	4-Apr-2006	47	167	52	Contractor Worker	AB+	118	80	13.8	7700	60	31	6	3	0	18	82	NF		W.N.L	78/83	3.35	3.02	2.78	2.61	6.88	8.02	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
161	Asgar Ali Sk	IA-22	15-Jul-1963	1-Nov-2004	60	165	45	Contractor Worker	O+	120	80	13	7300	66	29	4	1	0	16	106	NF		W.N.L	81/83	3.16	1.24	2.57	0.89	6.57	2.08	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
162	Sk. Samzan	IA-23	1-Jan-1981	5-Apr-2006	42	163	53	Contractor Worker	B+	120	80	14	7400	58	37	3	2	0	24	93	NF		W.N.L	71/76	3.54	3.38	2.99	2.75	7.19	5.87	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
163	Sristidhar Mahata	IA-24	15-Jul-1974	1-Jun-2004	49	167	64	Contractor Worker	O+	128	84	13.3	6900	55	36	7	2	0	19	78	NF		W.N.L	78/82	2.89	3.76	2.35	2.86	6.25	8.48	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
164	Sunil Duley	IA-25	15-Jul-1978	1-May-2003	45	167	56	Contractor Worker	B+	112	76	12.6	4800	53	42	4	1	0	17	110	NF		W.N.L	82/84	2.7	2.02	2.23	1.5	6.08	5.07	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
165	Sunil Karmokar	IA-26	1-Jul-1974	1-May-2003	49	156	50	Contractor Worker	B+	114	76	13.1	5300	68	28	3	1	0	26	95	NF		W.N.L	86/91	2.73	2.25	2.31	1.86	6.21	4.55	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
166	Swapan Mahata	IA-27	5-Jan-1978	15-Mar-2006	45	169	70	Contractor Worker	A+	118	80	12.9	6400	60	36	2	2	0	20	81	NF		W.N.L	77/79	3.16	2.61	2.65	2.00	6.70	7.30	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
167	Thakurdas Mahata	IA-29	18-May-1986	15-Mar-2006	37	165	54	Contractor Worker	A+	120	80	13.1	6900	56	39	4	1	0	20	91	NF		W.N.L	92/93	2.73	2.25	2.31	1.86	6.21	4.55	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
168	Wajed Ali Chaudhuri	IA-30	1-Jan-1977	12-Jun-2009	46	162	48	Contractor Worker	O+	122	82	13.2	5300	59	37	3	1	0	28	82	NF		W.N.L	82/83	3.01	3.26	2.57	2.58	6.59	6.45	(FEVI/FVC)%Pred <95 and EVC%Pred >80	
169	Ananda Mahata	IA-31	6-May-1977	2-Aug-2016	41	167	58	Contractor Worker	AB+	116	78	12.8	6400	61	30	6	3	0	13	85	NF		W.N.L	79/81	3.49	2.31	2.88	1.81	7.03	3.66	(FEVI/FVC)%Pred >95 and EVC%Pred <80	
170	Basanta Debsingha	IA-32	1-Jan-1984	4-Aug-2016	34	158	45	Contractor Worker	O+	114	76	13.6	5300	65	27	5	3	0	17	90	NF		W.N.L	80/82	3.94	3.44	3.26	2.83	7.58	6.62	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
171	Md Dilwar Khan	IA-33	1-May-1990	3-Aug-2016	28	167	53	Contractor Worker	O+	118	80	14	6400	55	38	4	3	0	13	88	NF		W.N.L	78/82	3.6	2.95	3.06	2.52	7.29	5.33	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
172	Manoranjon Mahata	IA-34	10-Jul-1989	5-Aug-2016	29	163	55	Contractor Worker	A+	120	80	12.9	7500	66	31	2	1	0	15	76	NF		W.N.L	94/97	3.22	3.05	2.64	2.54	6.67	5.01	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
173	Amit Ray	IAM-1	1-Jul-1981	20-Sep-2011	42	158	52	Contractor Worker	B+	122	80	13.2	7800	65	28	5	2	0	15	93	NF		W.N.L	85/88	3.35	3.02	2.78	2.61	6.88	8.02	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
174	Buddhadev Mahata	IAM-2	01-06-1988	20-12-2017	35	158	50	Contractor Worker	B+	118	80	13	8000	62	33	4	1	0	14	93	NF		W.N.L	84/86	3.56	2.79	3.01	2.24	7.22	3.89	(FEVI/FVC)%Pred <95 and EVC%Pred <80	
175	Haru Mondal	IAM-3	22-01-1979	09-05-2017	44	153	55	Contractor Worker	A+	124	84	13.6	5300	60	35	4	1	0	10	95	NF		W.N.L	91/93	2.86	3.16	2.35	2.48	6.26	6.4	(FEVI/FVC)%Pred >95 and EVC%Pred <85	
176	Asit Mahata	IAM-4	01-01-1990	09-08-2021	33	158	66	Contractor Worker	O+	118	80	12.6	6300	63	30	4	3	0	19	90	NF		W.N.L	82/86	2.73	2.25	2.31	1.86	6.21	4.55	(FEVI/FVC)%Pred >95 and EVC%Pred >80	
177	Swapan Mahata	IAM-5	10-Jul-1989	5-Aug-2016	34	157	67	Contractor Worker	AB+	116	74	12.9	7500	66	31	2	1	0	15	76	NF		W.N.L	82/83	3.16	2.61	2.65	2.00	6.70	7.30	(FEVI/FVC)%Pred >95 and EVC%Pred >80	

28/08/23

DR. D.K. BHAKTA
MBBS (CAL)
Medical Officer
Reg. No. - 61987

VISAKA INDUSTRIES LIMITED, MIDNAPORE DIVISION

(MEDICAL CHECK UP LIST FOR SUVENDU MONDAL- 2022-2023)

S.NO	NAME	EMP.NO	DATE OF BIRTH	DATE OF JOINING	AGE	HT/CMS	WT/KGS	DESINGATION	BLOOD GROUP	BLOOD PRESSURE		HB in gm%	WBC	N	L	M	E	B	ESR mm/1hr	RBS	Sputum AFB	VISION	X-RAY	CHEST EXP(cms)	FVC		FEV1		PEFR		PFT	SUMMARY
										SYS	DIS														Pred	PRE	Pred	PRE	Pred	PRE	RESULT	
178	Deepak Mahata	SUV-1	2-Jul-1985	1-Jun-2006	38	163	47	Contractor Worker	A+	118	80	12.8	6100	63	31	4	2	0	15	98	NF		W.N.L.	77/80	3.31	2.93	2.82	2.41	6.94	6.01	(FEV1/FVC)%Pred<95 and FVC%Pred >80	
179	Kartik Mahata	SUV-2	1-Jan-1985	16-Jun-2006	38	170	58	Contractor Worker	A+	120	82	13	5400	57	40	2	1	0	10	107	NF		W.N.L.	82/84	4	3.26	3.33	2.69	7.68	5.89	(FEV1/FVC)%Pred<95 and FVC%Pred >80	
180	Nanyan Chalak	SUV-5	1-Dec-1987	1-Jun-2006	36	167	54	Contractor Worker	O+	120	80	13.6	6700	58	34	5	3	0	12	113	NF		W.N.L.	82/84	3.53	3.9	3.01	3.22	7.23	6.01	(FEV1/FVC)%Pred<95 and FVC%Pred >80	
181	Rajib Bhandari	SUV-6	14-Feb-1987	16-Jun-2006	36	153	44	Contractor Worker	A+	118	80	12.7	4800	53	42	3	2	0	10	88	NF		W.N.L.	79/81	3.06	2.92	2.68	2.4	6.76	6.78	(FEV1/FVC)%Pred<95 and FVC%Pred >80	

Dilip Kr Bhakta
26/06/23
DR. D.K. BHAKTA
MBBS (CAL)
Medical Officer
Reg. No. - 61987

MINISTRY OF ENVIRONMENT & FORESTS.
EASTERN REGIONAL OFFICE
194, KHARVEL NAGAR, BHUBANASWAR-751 001.

FORMAT FOR PROVIDING PARTICULARS ON GREEN BELT PLANTATION UNDER F© ACT 1980 AND E(P) ACT 1986.

1. a) Name of the organization : Visaka Industries Ltd.

   b) Env/ Forest clearance order Nos : J- 11011/3/2004-1A 11(1) dt 24/2/06

2. Location , Block/ Sub.Divn./ Dist./ State : Mouza- Changsole, Post- Saiyedpur P.S.- salboni. West Midnapur. 721147

3. Address for communication : As above

4. Existing vegetation in the area/ region

   a) Species(tress/shrubs/grasses climbers) : Attached

   b) Major prevalent species of each type. : Attached

5. Land coverage by the project

   a) Total area under the project : 30 Acres

   b) Area covered for basic infra Structure (roads/building/Factory etc) : 11 Acres

6. Details about natural vegetation

   a) Name and number of tree/ species felled. : Beneya 02 nos , Neem 10 nos, Eucalyptus 25 nos

   b) Name and number of plant species still available in the area : As above [Akashmoni -11 nos, Krisnachura- 20 nos , Asoka -28 nos, Palm Tree- 2 nos , Mango Trees -45 nos]

   c) By protecting the area will Indigenous stock come up ? : Yes

   d) Extent of green belt developed. : 17 Acres

7. Plantations required to be carried Out as per.

   a) Conditions of Environmental Clearance in ha. /nos : Followed Env. Act 1986

   b) Conditions of forest C Act. Clearance in ha. /nos : N.A.

   c) Voluntarily in ha. /nos. : N.A.

8. .....Plantation

a) Total area available for plantation in each category :

i)Green belt	ii)Demos	iii)Back filled areas.	Iv)Road sides	v) Block plantation
62948 SqM	100 Sqm	-------	1200 Sqm	1000Sqm

b) Plantation details. (Category wise & methodology used)

Year of Plantation.	Specifics Planted.	Spacing.	Height attained.	Total area covered.	Area still available.
.....Attached			.....Attached		

C) Survival % of Plantation

Total Plantation -- 15950
Survival (No) --15108
Survival % --94.72

9. Agency carrying out plantation and Maintenance. : Laxmi Janadhan Rose Garden Propitor, Propitor:-- Subendu Kr. Mondal.

10. Financial details (year wise) Plantation wise and item wise :

SL No	Year	Funds allocated	Expenditure made	Average cost of each surviving Plant
1	**2022-23 (Oct-22 to Mar-23)**	**2,10,000**	**5,30,255**	**35.09 Rs/-**

10. Inspection of plantation by Field experts and their comments And follow up action. : Some of the plants at south-east side growth is less, we have called - expert and ask for his suggestion, as per his version due to water Logging plant growth is not expected level so that we made small Drainages in the water logging area. After that there is a improvement of plant growth.

11. Remarks / any others information (Density) : 0.26 Nos/SqM

Signature of the office in charge

4. EXISTING VEGETATION AREA IN THE AREA / REGION

a) Species (Tree / Shrubs / Grasses / Climbers) :

b) Major prevalent species of each type.

1. Trees : Mango, Guava, Coconut, Eucalyptus, Teak wood, Badam, cashew, chiku, mehagene, jackfruit, Banana, Lemon , Palm etc.

2. Grasses : Chinese grass.Citronila

3. Shrubs : Bougainvillea

4. Climbers : Cucumber

8. PLANTATION DETAILS (Category and Methodology used)

Year of Plantation	Species planted	Spacing	Height attained	Total area Covered	Area still available
2022-23	20	10 feet	12 feet	557 SqM	
					951 Sqm

c). Survival of plantation

	FY-22-23 (up to Mar-23)
Total Plantation	40
Survival Nos	37
Survival %	92.50

STATEMENT FOR PLANT'S PLANTATION FROM

2022-2023 (Sep-22 to Oct-23)

YEAR	NO OF PLANTS	LOCATION	VARIETY	COST
2022-23	2200	Seasonal Flower all plant	Salvia/Calondula/ Dahlia/Gladiolious/ Pentunia/Zinoel/	19604
TOTAL -	2200		TOTAL-19604	
FOR Six MONTHS MAINTENANCE COST				5,30,255
TOTAL				5,49,859

For VISAKA INDUSTRIES LTD.

Biplab Banerjee
(Asst. Works Manager)

VISAKA INDUSTRIES LIMITED
AC DIVISION-IV SALBONI, MIDNAPUR(W), WEST BENGAL

PART:- A

The details of energy consurvation on running the pollution control equipment is given below.

	FY-2022-23 (Apr-22 to Sep-22)			FY-2022-23 (Oct-22 to Mar-23)		
	Energy Consumption		Value (Rs)	Energy Consumption		Value (Rs)
On dust collector running-Fibre	12792.55	KWH/Yr	Rs 1.09 Lac	11810.99	KWH/Yr	Rs 1.00 Lac
-Cement	4363.62	KWH/Yr	Rs. 0.37 Lac	3894.02	KWH/Yr	Rs. 0.33 Lac
Fly ash	1315.49	KWH/Yr	Rs. 0.11 Lac	1229.57	KWH/Yr	Rs. 0.10 Lac
Wet ball mill and sludge recycling .	39856.2	KWH/Yr	Rs. 3.39 Lac	36333	KWH/Yr	Rs. 3.09 Lac
Fiber bag opener & shredder	15127.47	KWH/Yr	Rs. 1.29 Lac	13966.76	KWH/Yr	Rs. 1.19 Lac
Centralised vacuum Cleaner	4545.16	KWH/Yr	Rs. 0.39 Lac	4331.97	KWH/Yr	Rs. 0.37 Lac
Total	**78000.490**	KWH/Yr	**Rs. 6.63 Lac**	**71566.310**	KWH/Yr	**Rs. 6.08 Lac**

PART- B

Additional measures / investment proposal for enviromental protection including abatment of Pollution , prevention of pollution

Additional investment proposal for environmental protection including abatment of pollution:-

Sr. no	Budget ahead	FY-2022-23 (Apr-22 to Sep-22)	FY-2022-23 (Oct-22 to Mar-23)
1	Capital Investment out lay & Utilised	Rs, ----------	Rs, ----------
2	Recurring Expenditure:-		
	Chemical	------	------
	Power	Rs 6,63,004	Rs 6,08,314
	Manpower	Rs 24,78,829	Rs 26,57,405
	Training	Rs ----------	Rs ----------
	Sample Testing	Rs 1, ,15,398	Rs 1, ,90,602
	Consumables	Rs 1,51,825	Rs 3,94,199
3	WBPCB administrating expenses (Concent fee, Lab, Fine etc)	Rs 29,560	Rs 5,03,155
4	Legal Issues	Rs ----------	Rs ----------
5	Miscellaneous (Plant +Fertilizer purchase)	Rs 6,890	Rs 28,754
	Total	*3,445,506*	*4,382,429*

Thanks & Regards
Biplab Banerjee
(Asst. Works Manager)
Visaka Industries Limited
W.B.

For VISAKA INDUSTRIES LTD.

Biplab Banerjee
(Asst. Works Manager)

Environment Monitoring Equipment Details:

Sl. No.	Equipment Name	Quantity	Make	For Measuring
1	High Volume Sampler	3	Envirotech APM 460 BL	Ambient Air Quality
2	Personal/Static Sampler	2	Envirotech APM 800	Fibre Count
3	Lux Metre	1	MEXTECH LX-100B	Illumination
4	Sound Metre	1	Lutron SL-4010	Noise Level
5	Hygrometer	1		Humidity

Environment Protection Equipment Details:

Sl. No.	Equipment Name	Quantity	Make	For Protecting
1	Cement Dust Collector	1	Rieco Industries Limited	Online Cement Dust
2	Fibre Dust Collector	1	Rieco Industries Limited	Online Fibre Dust
3	Fly Ash Dust Collector	1	Rieco Industries Limited	Online Fly Ash Dust
4	Central Vacuum Cleaner	1	Rieco Industries Limited	Collecting Spilled Fibre
5	Portable Vacuum Cleaner	1	Roots Multiclean (Sote Co BASE 303)	Collecting Spilled Fibre

For VISAKA INDUSTRIES LTD.

Biplab Bane
(Asst. Works M r)

FORM 4

[See Rules 9(3) and 10(5)]

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

4075

035028

PERMIT FOR SINKING OF NEW WELL

[U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.]

PERMIT NO. P1428430000100000001TSE

1. (a) Name of the applicant (user) : Shri/Smt. VISAKA INDUSTRIES LTD.
   (b) Son/Daughter of :
   (c) Address of the applicant : Salboni, Krishnapur
   (d) Category of farmer (Please tick) (in case of irrigation well) : Small Farmer/Marginal Farmer/Others
   (e) Serial No. of application Form and date of submission : BP/B 0191, SL-80, Dt - 04/09/2017
   (f) Specimen signature of the user :

Paschim Medinipur

2. Location particulars—
   (a) District : Paschim Medinipur
   (b) Block, Mouza, J. L. No., Plot No. : Salboni, Krishnapur, 430, 1
   (c) Municipality/Corporation Ward No./Borough No., Holding No. :

3. Particulars of the proposed well and pumping device—
   (a) Type of the well : T. W.
   (b) Approx. depth of the well (m) : 120 m
   (c) Purpose of the well : Industrial
   (d) Assembly size (for tube well) : 150 mm X 100 mm.
   (e) Approx. strainer length (for tube well) : 18 m.
   (f) Diameter (for dug well) : m.
   (g) Type of pump to be used : Submersible
   (h) H. P. of the pump : 7.5 H.P.
   (i) Operational device : Electric
   (j) Rate of withdrawal (m3/hr.) : 22 m³/hr
   (k) Maximum allowable running hours per day : 3 Hours

This permit authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3)(j) and for running hours / day as shown at Sl. (3) (k), and is valid subject to the observance of the conditions stated overleaf.

Place : Midnapore

Date : 3-11-2017

Office of the Geologist
Geological Sub-Divn. No. I/A, S.W.I.D.,
OFFICE
Member Secretary, D.L.A.
Paschim Medinipur

Chinmoyi Roy 3/11/17

Signature of the Issuing Authority and Designation.

Geologist
Geological Sub-Divn. No.- I/A
S.W.I.D., Medinipur
&
Member Secretary, D.L.A.
Paschim Medinipur

Conditions :

(1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
(2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at Sl. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
(3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found false at the time of verification at any subsequent stage, this permit is liable for cancellation.
(4) Any other condition imposed by the concerned Authority.

SPL/000/09-10/1,00,000

03/11/2017

Office of the Geologist
Geological Sub-Divn. No. I/A, S.W.I.D.,
OFFICE SEAL
Member Secretary, D.L.A.
Paschim Medinipur

P.T.O. for Conditionalities

Conditionality for Package Drinking Water Projects and Industries/Infrastructures:

1. Roof Top Rain Water Harvesting for Surface Storage :-

A. A Provision for Roof Top rain Water Harvesting is a must that should be kept within the industrial campus area.

B. At least 20% of the roof top areas of the industrial building are required to be brought under RWH programme.

C. Rain water is required to be collected in a surface storage reservoir (concrete) through a number of pipelines from roofs.

D. The roof top rain water collected should be utilized in-

i) Washing and cleaning purpose within the entire campus area.

ii) Plantations and gardening.

iii) Flushing in the toilets.

iv) To fulfill any other industrial needs.

E. I) Artificial Recharging Techniques into groundwater through any kind of recharge shafts/ filter points should not be allowed strictly by any user.

ii) Drinking water provisions through RWH structures should not be made.

2. Excavation of Pond of size 150 ft × 50 ft with 2 m. depth.
3. Chemical Quality Test Report from Govt./Semi-Govt. approved Laboratory in each year to be submitted to the Geologist & Member Secretary, D.L.A., Paschim Medinipur.
4. The Permit Certificate will be reviewed in every year from the date of issuance of Permit- based on local hydrogeological conditions that may prevail afterwards.
5. Arrangement of Water Meter at the outlet of Tube Well discharge and a logbook to be monitored by Govt. Officials as assigned by the D.L.A. to ascertain the quantity of water utilize (daily log book to be maintained by the users.)
6. The enhanced rate if any in future (including the rates revised retrospectively) of fees/charges/taxes for drawls of ground water on annual basis, should be borne by the applicants for operating their tube wells in a continuous manner.

Shimoji Roy 3/11/17

Geologist, Geological Sub Div No. IA,
S.W.I.D., Paschim Medinipur
&
Member Secretary, DLA, Paschim Medinipur

FORM 4

[See Rules 9(3) and 10(5)]

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

PERMIT FOR SINKING OF NEW WELL

[U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.]

4073

035026

PERMIT NO. P1428430000470000001TSE

1. (a) Name of the applicant (user) : Shri/Smt. VISAKA INDUSTRIES LTD.
   (b) Son/Daughter of :
   (c) Address of the applicant : Salboni, Krishnapur
   (d) Category of farmer (Please tick) (in case of irrigation well) : Small Farmer/Marginal Farmer/Others
   (e) Serial No. of application Form and date of submission : BP/B 0191, SL-78, Dt-04/09/2017
   (f) Specimen signature of the user :
2. Location particulars—
   (a) District : Paschim Medinipur
   (b) Block, Mouza, J. L. No., Plot No. : Salboni, Krishnapur, 430, 47
   (c) Municipality/Corporation Ward No./Borough No., Holding No. :
3. Particulars of the proposed well and pumping device—
   (a) Type of the well : T. W.
   (b) Approx. depth of the well (m) : 120 m
   (c) Purpose of the well : Industrial
   (d) Assembly size (for tube well) : 150 mm.X 100mm.
   (e) Approx. strainer length (for tube well) : 18 m.
   (f) Diameter (for dug well) : m.
   (g) Type of pump to be used : Submersible
   (h) H. P. of the pump : 7.5 H.P.
   (i) Operational device : Electric
   (j) Rate of withdrawal (m3/hr.) : 22 m^3/hr
   (k) Maximum allowable running hours per day : 3 Hours

This permit authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3)(j) and for running hours / day as shown at Sl. (3) (k), and is valid subject to the observance of the conditions stated overleaf.

Place : Midnapore

Date : 3-11-2017

Office of the Geologist
Geological Sub-Divn. No.- I/A, S.W.I.D.,
SEAL &
Member Secretary, D.L.A.
Paschim Medinipur

Chinmaya Roy 3/11/17
Signature of the Issuing Authority and Designation.

Geologist
Geological Sub-Divn. No.- I/A
S.W.I.D., Medinipur
&
Member Secretary, D.L.A.
Paschim Medinipur

Conditions :

(1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
(2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at Sl. (2), (3)(j) of this permit shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
(3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
(4) Any other condition imposed by the concerned Authority.

03/11/2017

Office of the Geologist
Geological Sub-Divn. No.- I/A, S.W.I.D.,
OFFICE SEAL
Member Secretary, D.L.A.
Paschim Medinipur

P.T.O. for Conditionalities

SPL/000/09-10/1,00,000

Conditionality for Package Drinking Water Projects and Industries/Infrastructures:

1. Roof Top Rain Water Harvesting for Surface Storage :-

A. A Provision for Roof Top rain Water Harvesting is a must that should be kept within the industrial campus area.

B. At least 20% of the roof top areas of the industrial building are required to be brought under RWH programme.

C. Rain water is required to be collected in a surface storage reservoir (concrete) through a number of pipelines from roofs.

D. The roof top rain water collected should be utilized in-

i) Washing and cleaning purpose within the entire campus area.

ii) Plantations and gardening.

iii) Flushing in the toilets.

iv) To fulfill any other industrial needs.

E. I) Artificial Recharging Techniques into groundwater through any kind of recharge shafts/ filter points should not be allowed strictly by any user.

ii) Drinking water provisions through RWH structures should not be made.

2. Excavation of Pond of size 150 ft × 50 ft with 2 m. depth.
3. Chemical Quality Test Report from Govt./Semi-Govt. approved Laboratory in each year to be submitted to the Geologist & Member Secretary, D.L.A., Paschim Medinipur.
4. The Permit Certificate will be reviewed in every year from the date of issuance of Permit- based on local hydrogeological conditions that may prevail afterwards.
5. Arrangement of Water Meter at the outlet of Tube Well discharge and a logbook to be monitored by Govt. Officials as assigned by the D.L.A. to ascertain the quantity of water utilize (daily log book to be maintained by the users.)
6. The enhanced rate if any in future (including the rates revised retrospectively) of fees/charges/taxes for drawls of ground water on annual basis, should be borne by the applicants for operating their tube wells in a continuous manner.

Chinmoyi Roy 3/11/17

Geologist, Geological Sub Div No. IA
S.W.I.D., Paschim Medinipur
&
Member Secretary, DLA, Paschim Medinipur

FORM 4

[See Rules 9(3) and 10(5)]

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

PERMIT FOR SINKING OF NEW WELL

[U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.]

4074

035027

PERMIT NO. P1428427000920000001TSE

1. (a) Name of the applicant (user) : Shri/Smt. VISAKA INDUSTRIES LTD.
   (b) Son/Daughter of :
   (c) Address of the applicant : Salboni, Changsole
   (d) Category of farmer (Please tick) (in case of irrigation well) : Small Farmer/Marginal Farmer/Others
   (e) Serial No. of application Form and date of submission : BP/B 0191, SL-79, Dt-04/09/2017
   (f) Specimen signature of the user : [ ]
2. Location particulars—
   (a) District : Paschim Medinipur
   (b) Block, Mouza, J. L. No., Plot No. : Salboni, Changsole, 427, 92
   (c) Municipality/Corporation Ward No./Borough No., Holding No. :
3. Particulars of the proposed well and pumping device—
   (a) Type of the well : T.W.
   (b) Approx. depth of the well (m) : 120 m
   (c) Purpose of the well : Industrial
   (d) Assembly size (for tube well) : 150 mm. X 100 mm.
   (e) Approx. strainer length (for tube well) : 18 m.
   (f) Diameter (for dug well) : m.
   (g) Type of pump to be used : Submersible
   (h) H. P. of the pump : 7.5 H.P.
   (i) Operational device : Electric
   (j) Rate of withdrawal (m3/hr.) : 22 m³/hr
   (k) Maximum allowable running hours per day : 4 Hours

This permit authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3)(j) and for running hours / day as shown at Sl. (3) (k), and is valid subject to the observance of the conditions stated overleaf.

Place : W. Midnapore

Date : 3-11-2017

Office of the Geologist
Geological Sub-Divn. No. - I/A, S.W.I.D.,
OFFICE SEAL
Member Secretary, D.L.A.
Paschim Medinipur

Chinmoyi Roy 3/11/17
Signature of the Issuing Authority and Designation

Geologist
Geological Sub-Divn. No.- I/A
S.W.I.D., Medinipur
&
Member Secretary, D.L.A.
Paschim Medinipur

Conditions :

(1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
(2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at Sl. (3) above of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
(3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be false at any subsequent stage, this permit is liable for cancellation.
(4) Any other condition imposed by the concerned Authority.

03/11/2017

Office of the Geologist
Geological Sub-Divn. No. - I/A, S.W.I.D.,
OFFICE SEAL
Member Secretary, D.L.A.
Paschim Medinipur

P.T.O. for Conditionalities

SPL/000/09-10/1,00,000

Conditionality for Package Drinking Water Projects and Industries/Infrastructures:

1. Roof Top Rain Water Harvesting for Surface Storage :-

A. A Provision for Roof Top rain Water Harvesting is a must that should be kept within the industrial campus area.

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C. Rain water is required to be collected in a surface storage reservoir (concrete) through a number of pipelines from roofs.

D. The roof top rain water collected should be utilized in-

i) Washing and cleaning purpose within the entire campus area.

ii) Plantations and gardening.

iii) Flushing in the toilets.

iv) To fulfill any other industrial needs.

E. I) Artificial Recharging Techniques into groundwater through any kind of recharge shafts/ filter points should not be allowed strictly by any user.

ii) Drinking water provisions through RWH structures should not be made.

2. Excavation of Pond of size 150 ft × 50 ft with 2 m. depth.
3. Chemical Quality Test Report from Govt./Semi-Govt. approved Laboratory in each year to be submitted to the Geologist & Member Secretary, D.L.A., Paschim Medinipur.
4. The Permit Certificate will be reviewed in every year from the date of issuance of Permit- based on local hydrogeological conditions that may prevail afterwards.
5. Arrangement of Water Meter at the outlet of Tube Well discharge and a logbook to be monitored by Govt. Officials as assigned by the D.L.A. to ascertain the quantity of water utilize (daily log book to be maintained by the users.)
6. The enhanced rate if any in future (including the rates revised retrospectively) of fees/charges/taxes for drawls of ground water on annual basis, should be borne by the applicants for operating their tube wells in a continuous manner.

Chinmoyi Roy 3/11/17

Geologist, Geological Sub Div No. IA
S.W.I.D., Paschim Medinipur
&
Member Secretary, DLA, Paschim Medinipur

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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

ISO 9001:2015 ISO 45001:2018 TC-11628

Towards Sustainable Growth

TEST REPORT

Date: 11.07.2023	:	**Report No: ICI/HL/W/RN-1105/2023**	**Format No: ICI/FM/H/67**		
Customer Name	:	**M/s. VISAKA INDUSTRIES LTD.**	**Sample ID No**	:	**2023/W-1105**
Address	:	Mouza: - Changsole, Vill. + P.O. – Sayedpur, P.S. - Salboni, Paschim Medinipur. Pin - 721147	**Receiving Date**	:	29.06.2023
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170064044	**Analysis Start Date**	:	01.07.2023
#Work Order No.	:	41711 Dtd. 16.05.2023	**Analysis complete Date**	:	10.07.2023
#Sample Description	:	**BOREWELL WATER**			
#Sample Condition	:	In Plastic Bottle			
# Location	:	**BOREWELL - 01**			
Material Specification	:	**IS 10500: 2012**			

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
	ORGANOLEPTIC AND PHYSICAL PARAMETERS					
1.	Odour	-	**Agreeable**	*Agreeable*	*Agreeable*	IS 3025(Part-5):2018 APHA 23rd Edition 2150 B
2.	pH (at 26°C)	-	**6.52**	*6.5 to 8.5*	*No Relaxation*	IS 3025(Part-11) 1983 RA 2017, APHA 23rd Edition 4500-H+ B
3.	Colour	Hazen Unit	**<5.0**	*5*	*15*	IS 3025(Part-4) 1983 RA 2017
4.	Conductivity	µS/cm	**83.17**	-	-	IS 3025(Part-14) 1984 RA 2019 APHA 23rd Edition 2510 B
5	Turbidity	N.T.U.	**<1.0**	*1 (Max)*	*5 (Max)*	IS 3025(Part-10) 1984 RA 2017 APHA 23rd Edition 2130 B
6	Total Dissolved Solid (TDS)	mg/L	**70.0**	*500 (Max)*	*2000 (Max)*	IS 3025(Part-16) 1984 RA 2017 APHA 23rd Edition 2540 C
	GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS					
7.	Total Hardness (as $CaCO_3$)	mg/L	**46.6**	*200 (Max)*	*600 (Max)*	IS 3025(Part-21) 2009 RA 2019 APHA 23rd Edition 2340 C
8.	Ca Hardness (as $CaCO_3$)	mg/L	**40.5**	-	-	APHA 23rd Edition 2340 C
9.	Mg Hardness (as $CaCO_3$)	mg/L	**6.1**	-	-	APHA 23rd Edition 2340 C
10.	Calcium (as Ca)	mg/L	**16.2**	*75 (Max)*	*200 (Max)*	IS 3025(Part-40) 1991 RA 2014 APHA 23rd Edition 3500Ca B
11.	Magnesium (as Mg)	mg/L	**1.5**	*30 (Max)*	*100 (Max)*	IS 3025(Part-46) 1994 RA 2019 APHA 23rd Edition 3500Mg B
12.	Chloride (as Cl)	mg/L	**11.5**	*250 (Max)*	*1000 (Max)*	IS 3025(Part-32) 1988 RA 2019 APHA 23rd Edition 4500Cl- B
13.	Total Alkalinity (as $CaCO_3$)	mg/L	**46.0**	*200 (Max)*	*600 (Max)*	IS 3025(Part-23) 1986 RA 2019 APHA 23rd Edition 2320 B
14.	P-Alkalinity (as $CaCO_3$)	mg/L	**Nil**	-	-	APHA 23rd Edition 2320B
15.	M-Alkalinity (as $CaCO_3$)	mg/L	**46.0**	-	-	APHA 23rd Edition 2320B
16.	Iron (as Fe)	mg/L	**0.14**	*0.3 (Max)*	*No Relaxation*	IS 3025(Part-53) 2003 RA 2019 APHA 23rd Edition 3500-Fe B
17.	Phosphate (as P)	mg/L	**<0.02**	-	-	APHA 23rd Edition 4500P D
18.	Fluoride (as F)	mg/L	**<0.04**	*1 (Max)*	*1.5 (Max)*	IS 3025(Part-60) 2008 RA 2019 APHA 23rd Edition 4500 FD

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

Towards Sustainable Growth

Report No: ICI/HL/W/RN-1105/2023 — **#Location: BOREWELL - 01**

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
	ORGANOLEPTIC AND PHYSICAL PARAMETERS					
19.	Appearance	-	Clear	-	-	Visual
	GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS					
20.	Sulfate (as SO_4)	mg/L	<1.5	*200 (Max)*	*400 (Max)*	IS 3025(Part-24) 1986, RA 2019 APHA 23rd Edition 4500 SO_4^{2-} E
21.	Silica (as SiO_2)	mg/L	2.6	-	-	IS 3025(Part-35) 1988, RA 2019 APHA 23rd Edition 4500 SiO_2 C
22	Manganese (as Mn)	mg/L	<0.1	*0.1 (Max)*	*0.3 (Max)*	APHA 23rd Edition 3111 B
	PARAMETERS CONCERNING TOXIC SUBSTANCES					
23.	Arsenic (as As)	mg/L	<0.01	*0.01 (Max)*	*0.05 (Max)*	APHA 23rd Edition 3500As B

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

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

Remarks:

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

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

Prepared By: N. Mondal

Checked By: A. Patra

For, **INDICATIVE CONSULTANT INDIA**

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil
Estimated Uncertainty: Not Required

Note :

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

End of Report

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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

ISO 9001:2015 ISO 45001:2018 TC-11928

Towards Sustainable Growth

TEST REPORT

Date: 11.07.2023	:	Report No: ICI/HL/W/RN-1106/2023		Format No: ICI/FM/H/67		
Customer Name	:	M/s. VISAKA INDUSTRIES LTD.		Sample ID No	:	2023/W-1106
Address	:	Mouza: - Changsole, Vill. + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147		Receiving Date	:	29.06.2023
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170064044		Analysis Start Date	:	01.07.2023
#Work Order No.	:	41711 Dtd. 16.05.2023		Analysis complete Date	:	10.07.2023
#Sample Description	:	BOREWELL WATER				
#Sample Condition	:	In Plastic Bottle				
# Location	:	BOREWELL - 02				
Material Specification	:	IS 10500: 2012				

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
	ORGANOLEPTIC AND PHYSICAL PARAMETERS					
1.	Odour	-	**Agreeable**	*Agreeable*	*Agreeable*	IS 3025(Part-5):2018 APHA 23rd Edition 2150 B
2.	pH (at 26°C)	-	**6.55**	*6.5 to 8.5*	*No Relaxation*	IS 3025(Part-11) 1983 RA 2017, APHA 23rd Edition 4500-H+ B
3.	Colour	Hazen Unit	**<5.0**	*5*	*15*	IS 3025(Part-4) 1983 RA 2017
4.	Conductivity	µS/cm	**61.82**	-	-	IS 3025(Part-14) 1984 RA 2019 APHA 23rd Edition 2510 B
5.	Turbidity	N.T.U.	**<1.0**	*1 (Max)*	*5 (Max)*	IS 3025(Part-10) 1984 RA 2017 APHA 23rd Edition 2130 B
6	Total Dissolved Solid (TDS)	mg/L	**56.0**	*500 (Max)*	*2000 (Max)*	IS 3025(Part-16) 1984 RA 2017 APHA 23rd Edition 2540 C
	GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS					
7.	Total Hardness (as $CaCO_3$)	mg/L	**34.4**	*200 (Max)*	*600 (Max)*	IS 3025(Part-21) 2009 RA 2019 APHA 23rd Edition 2340 C
8.	Ca Hardness (as $CaCO_3$)	mg/L	**28.3**	-	-	APHA 23rd Edition 2340 C
9.	Mg Hardness (as $CaCO_3$)	mg/L	**6.1**	-	-	APHA 23rd Edition 2340 C
10.	Calcium (as Ca)	mg/L	**11.3**	*75 (Max)*	*200 (Max)*	IS 3025(Part-40):1991 RA 2014 APHA 23rd Edition 3500Ca B
11.	Magnesium (as Mg)	mg/L	**1.5**	*30 (Max)*	*100 (Max)*	IS 3025(Part-46) 1994 RA 2019 APHA 23rd Edition 3500Mg B
12.	Chloride (as Cl)	mg/L	**13.4**	*250 (Max)*	*1000 (Max)*	IS 3025(Part-32) 1988 RA 2019 APHA 23rd Edition 4500Cl- B
13	Total Alkalinity (as $CaCO_3$)	mg/L	**24.0**	*200 (Max)*	*600 (Max)*	IS 3025(Part-23) 1986 RA 2019 APHA 23rd Edition 2320 B
14.	P-Alkalinity (as $CaCO_3$)	mg/L	**Nil**	-	-	APHA 23rd Edition 2320B
15.	M-Alkalinity (as $CaCO_3$)	mg/L	**24.0**	-	-	APHA 23rd Edition 2320B
16.	Iron (as Fe)	mg/L	**0.10**	*0.3 (Max)*	*No Relaxation*	IS 3025(Part-53) 2003 RA 2019 APHA 23rd Edition 3500-Fe B
17.	Phosphate (as P)	mg/L	**<0.02**	-	-	APHA 23rd Edition 4500P D
18.	Fluoride (as F)	mg/L	**<0.04**	*1 (Max)*	*1.5 (Max)*	IS 3025(Part-60) 2008 RA 2019 APHA 23rd Edition 4500 FD

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

Towards Sustainable Growth

Report No: ICI/HL/W/RN-1106/2023 — **#Location: BOREWELL - 02**

Sl. No.	Parameters	Unit	Result	As Per IS:10509:2012 Desirable Limit	As Per IS:10509:2012 Permissible limit in the absence of alternate source	Method Followed
	ORGANOLEPTIC AND PHYSICAL PARAMETERS					
19.	Appearance	-	Clear	-	-	Visual
	GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS					
20.	Sulfate (as SO_4)	mg/L	<1.5	*200 (Max)*	*400 (Max)*	IS 3025(Part-24):1986: RA 2019 APHA 23rd Edition 4500 SO_4^{2-} E
21.	Silica (as SiO_2)	mg/L	1.8	-	-	IS 3025(Part-35) 1988: RA 2019 APHA 23rd Edition 4500 SiO_2 C
22.	Manganese (as Mn)	mg/L	<0.1	*0.1 (Max)*	*0.3 (Max)*	APHA 23rd Edition 3111 B
	PARAMETERS CONCERNING TOXIC SUBSTANCES					
23.	Arsenic (as As)	mg/L	<0.01	*0.01 (Max)*	*0.05 (Max)*	APHA 23rd Edition 3500As B

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

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

Remarks:

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

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

Prepared By: K. Mondal

Checked By: A. Patra

For. INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil
Estimated Uncertainty: Not Required

Note :

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

End of Report

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

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

ISO 9001:2015 ISO 45001:2018 TC-11626

Towards Sustainable Growth

TEST REPORT

Date: 11.07.2023	:	Report No: ICI/HL/W/RN-1107/2023	Format No: ICI/FM/H/67		
Customer Name	:	M/s. VISAKA INDUSTRIES LTD.	Sample ID No	:	2023/W-1107
Address	:	Mouza: - Changsole, Vill. + P.O. – Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Receiving Date	:	29.06.2023
#Customer Representative Name & Contact Number	:	Mr. Sunil Chanda Mob. No. +91-8170064044	Analysis Start Date	:	01.07.2023
#Work Order No.	:	41711 Dtd. 16.05.2023	Analysis complete Date	:	10.07.2023
#Sample Description	:	BOREWELL WATER			
#Sample Condition	:	In Plastic Bottle			
# Location	:	BOREWELL - 03			
Material Specification	:	IS 10500: 2012			

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
	ORGANOLEPTIC AND PHYSICAL PARAMETERS					
1.	Odour	-	Agreeable	*Agreeable*	*Agreeable*	IS 3025(Part-5) 2018 APHA 23rd Edition 2150 B
2.	pH (at 26°C)	-	6.58	*6.5 to 8.5*	*No Relaxation*	IS 3025(Part-11) 1983 RA 2017 APHA 23rd Edition 4500-H+ B
3.	Colour	Hazen Unit	<5.0	*5*	*15*	IS 3025(Part-4) 1983 RA 2017
4.	Conductivity	µS/cm	60.86	-	-	IS 3025(Part-14) 1984 RA 2019 APHA 23rd Edition 2510 B
5.	Turbidity	N.T.U	<1.0	*1 (Max)*	*5 (Max)*	IS 3025(Part-10) 1984 RA 2017 APHA 23rd Edition 2130 B
6.	Total Dissolved Solid (TDS)	mg/L	54.0	*500 (Max)*	*2000 (Max)*	IS 3025(Part-16) 1984 RA 2017 APHA 23rd Edition 2540 C
	GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS					
7.	Total Hardness (as $CaCO_3$)	mg/L	32.4	*200 (Max)*	*600 (Max)*	IS 3025(Part-21) 2009 RA 2019 APHA 23rd Edition 2340 C
8.	Ca Hardness (as $CaCO_3$)	mg/L	24.3	-	-	APHA 23rd Edition 2340 C
9.	Mg Hardness (as $CaCO_3$)	mg/L	8.1	-	-	APHA 23rd Edition 2340 C
10.	Calcium (as Ca)	mg/L	9.7	*75 (Max)*	*200 (Max)*	IS 3025(Part-40) 1991 RA 2014 APHA 23rd Edition 3500Ca B
11.	Magnesium (as Mg)	mg/L	2.0	*30 (Max)*	*100 (Max)*	IS:3025(Part-46) 1994 RA 2019 APHA 23rd Edition 3500Mg B
12.	Chloride (as Cl)	mg/L	10.5	*250 (Max)*	*1000 (Max)*	IS 3025(Part-32) 1988 RA 2019 APHA 23rd Edition 4500Cl- B
13.	Total Alkalinity (as $CaCO_3$)	mg/L	30.0	*200 (Max)*	*600 (Max)*	IS 3025(Part-23) 1986 RA 2019 APHA 23rd Edition 2320 B
14.	P-Alkalinity (as $CaCO_3$)	mg/L	Nil	-	-	APHA 23rd Edition 2320B
15.	M-Alkalinity (as $CaCO_3$)	mg/L	30.0	-	-	APHA 23rd Edition 2320B
16.	Iron (as Fe)	mg/L	0.09	*0.3 (Max)*	*No Relaxation*	IS 3025(Part-53) 2003 RA 2019 APHA 23rd Edition 3500-Fe B
17.	Phosphate (as P)	mg/L	<0.02	-	-	APHA 23rd Edition 4500P D
18	Fluoride (as F)	mg/L	<0.04	*1 (Max)*	*1.5 (Max)*	IS 3025(Part-60) 2008 RA 2019 APHA 23rd Edition 4500 FD

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)

ISO 9001:2015 ISO 45001:2018

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

Towards Sustainable Growth

Report No: ICI/HL/W/RN-1107/2023				#Location: BOREWELL - 03		
Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
ORGANOLEPTIC AND PHYSICAL PARAMETERS						
19.	Appearance	-	Clear	-	-	Visual
GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS						
20.	Sulfate (as SO_4)	mg/L	<1.5	*200 (Max)*	*400 (Max)*	IS 3025(Part-24):1986, RA 2019 APHA 23rd Edition 4500 SO_4^{2-} E
21.	Silica (as SiO_2)	mg/L	2.0	-	-	IS 3025(Part-35):1988, RA 2019 APHA 23rd Edition 4500 SiO_2 C
22.	Manganese (as Mn)	mg/L	<0.1	*0.1 (Max)*	*0.3 (Max)*	APHA 23rd Edition 3111 B
PARAMETERS CONCERNING TOXIC SUBSTANCES						
23.	Arsenic (as As)	mg/L	<0.01	*0.01 (Max)*	*0.05 (Max)*	APHA 23rd Edition 3500As B

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

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

Remarks:

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

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Parbati Golui
(Quality Manager)
Signatory Authority

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil
Estimated Uncertainty: Not Required

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

End of Report

WEST BENGAL POLLUTION CONTROL BOARD

(Department of Environment, Govt. of West Bengal)

Paribesh Bhawan
Bldg. No. 10 A, Block-LA, Sector-III, Bidhan Nagar,
Kolkata – 700 098
Tel 0091 (033) 2335-9088 / 8861 / 8211 / 8073 / 6731
2335-0261 / 8212 / 8213 / 7428 / 5975
Fax 0091 (033) 2335 6730 / 2813
Website : www.wbpcb.gov.in, e-mail : wbpcbnet@wbpcb.gov.in

Memo No. 255 /2S (HW) –1942/2005

Date: 23.12.2022

FORM 2

Grant of Authorization under the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Ref.: Application authorization dated 22.04.2022 for management & handling of Hazardous & Other Waste (Management & Transboundary) Rules, 2016 and its amendment thereafter.

M/s. Visaka Industries Ltd.
Vill: Changsole, P.O.: Saiyedpur, P.S.: Salboni, Medinipur (W)-721147 is hereby granted an authorisation for generation, ~~collection, reception,~~ storage, ~~transport~~, reuse, ~~recycling, recovery, pre-processing, co-processing, utilisation, treatment~~, disposal, ~~or any other use~~ of hazardous ~~or other~~ wastes ~~or both~~ on the premises located at **Vill: Changsole, P.O.: Saiyedpur, P.S.: Salboni, Medinipur (W)-721147.**

Details of Authorisation:

Sl. no.	Category of Hazardous Waste as per the Schedule I, II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing etc.	Quantity (MT/year)
1.	15.2	Recycle in-house*	600.0
2.	15.3	Recycle in-house.*	28.9
3.	15.1	Disposal to CHWTSDF.*	0.048
4.	5.1	Recycle through authorized recycler.*	0.02 KL
5.	36.2	Disposal to CHWTSDF.*	0.015

** For detail refer to Specific Conditions.*

(1) Authorization shall be valid for a period upto **31.07.2026** with effect from the date of issue

(2) The authorization is subject to the following general and specific conditions:

[Chief Engineer]
West Bengal Pollution Control Board

Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B

A. General conditions of authorization:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be three months before the expiry of such authorisation.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th every year for the period ending 31st March of that year.

B. Specific conditions:

1. The unit shall store the hazardous wastes (category wise separately) under shade in an environment friendly safe manner within the premises at designated places and the unit shall not store hazardous waste on site for more than 90 days.
2. The unit shall dispose all the hazardous waste stored onsite immediately and submit compliance report within one month hereof.
3. Discarded asbestos (15.2), dust/particulate from exhaust air gas treatment (15.3), used/discarded DG set filters (36.2) and oil contaminated cotton/Jute wastes (5.2) shall be utilized in-house or shall be disposed to the CHWTSDF, West Bengal through Manifest system (Form-10) is not fit for recycling.
4. Asbestos containing residue (15.1) shall be disposed to the CHWTSDF through Manifest system (Form-10).
5. Used oil (5.1) shall be sold through manifest system (Form 10) to the authorized recyclers having valid authorization of the State Pollution Control Board. During each sale, original Pass-book issued by SPCB to the authorized recyclers shall be endorsed mentioning the quantity and copy of the same shall be kept as record. If not fit for recycling shall be sent to CHWTSDF facility with manifest system.

6. The unit shall submit copies of Form 10 to the State Board on a regular basis.
7. Transport of hazardous and other waste shall be in accordance with the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016, guidelines issued by the Central Pollution Control Board (CPCB) and rules made under the Motor Vehicle's Act, 1988. The responsibility of safe transport shall be either of the sender or the receiver whosoever arranges the transport and this responsibility shall be clearly indicated in the Manifest.
8. Records of hazardous waste generation, storage and disposal shall be maintained properly and shall be available to the inspecting officials of the State Board during inspection.
9. The unit shall update regularly the environmental information in Display Boards as per the order of the Hon'ble Supreme Court dated. 14.10.2003 in W.P.(C) NO.657 of 1995.
10. Authorisation will be revoked in case of non-compliances with any of the above conditions.

M/s. Visaka Industries Ltd.
Vill: Changsole, P.O.: Saiyedpur,
P.S.: Salboni, Medinipur (W)-721147

[Chief Engineer]
West Bengal Pollution Control Board

Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

REGISTERED

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'
Bldg. No. - 10A, Block - LA, Sector-III
Salt Lake City, Kolkata-700 098

Consent Letter Number : CO109261

Memo Number : 7465 hl-co-s/13/0161 Date : 31/01/2019

Consent to Operate

under

Section 25 & 26 of the **Water (Prevention and Control of Pollution) Act, 1974** and
Section 21 of the **Air (Prevention and Control of Pollution) Act, 1981**

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to :

M/s. Visaka Industries Ltd.

(Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at Vill - Changsole, P.O. Saiyedpur, P.S. Salboni, Midnapore (W) - 721147

(Detailed address of the manufacturing unit)

for a period from date of issue to 31. 12. 2023

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.

West Bengal Pollution Control Board
Haldia Regional Office
Super Market Building Durgachak Haldia
Dist Purba Medinipur

For and on behalf of the State Board

31/01/19

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Environmental Engineer
West Bengal Pollution Control Board
Regional Office

ANNEXURE

Consent to M/S. Visaka Industries Ltd.

for its unit at Vill. Changsole, PO. Saiyedpur, P.S. Salboni, Medinipore (W) - 721147

Conditions :

01. This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Asbestos Cement Roofing	13,367 T.
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		

02. The *Applicant* shall remain responsible for quantity and quality of liquid effluent and air emissions.

03. **Daily** discharge of industrial liquid effluent shall not exceed — KL.

04. **Daily** discharge of domestic liquid effluent shall not exceed 2.0 KL.

05. **Daily** discharge of mixed (industrial & domestic) liquid effluent shall not exceed — KL.

06. The *Applicant* shall discharge liquid effluent to Soak pit through septic tank (place of discharge) through 01 nos. outlets / outfalls.

07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.

08. The *Applicant* shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the *Standard* as given in Table-I in page 03.

Mandi 31/10/19

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)
Environmental Engineer
West Bengal Pollution Control Board
Regional Office

Continued.....

Consent to M/s. Visaka Industries Ltd.

for its unit at Vill. Changsole, PO. Saiyedpur, PS. Salboni, Medinipore (W) - 721147.

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
01	Domestic	pH	Between : 5.5-9.0	Yearly
		Total Suspended Solids	Not to exceed : 100 mg/l.	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed : 30mg/l.	
		Chemical Oxygen Demand	Not to exceed : 250mg/l.	
		Oil & Grease	Not to exceed : 10mg/l.	

09. The *Applicant* falls in the .....Category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the provisions of the said Act and Rules made thereunder.

10. **Daily** water consumption for the following purposes should not exceed :-

- Industrial cooling, spraying in mine pits and boiler feed water → 5 KL
  (Water used for gardening should be included in this category of use)
- Domestic purpose → 20 KL
- Processing whereby water gets polluted and the pollutants are easily biodegradable → — KL
- Processing whereby water gets polluted and the pollutants are not easily biodegradable → 180 KL

The *Applicant* shall regularly submit to the Board the Returns of Water Consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

Mardi 31/01/19

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr./ Asst. Env. Engr.)

Countersigned.....

Environmental Engineer
West Bengal Pollution Control Board
Regional Office

Consent to M/S. Visaka Industries Ltd.

for its unit at Vill: Changsole, PO: Saiyedpur, PS. Salboni, Medinipore (W) - 721147.

11. The *Applicant* shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the *State Board*.

12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to faciliate identification.

13. The *Applicant* shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the *Standard* as given in Table-II below :

Table-II

Stack No.	Stack height from G.L., (in mts.)	Stack attached to (sources and control system, if any):	Volume $Nm^3/hr.$	Velocity of gas emission m/sec	Concentrations of parameters not to exceed					Frequency of emission sampling
					SPM (mg/Nm^3)	CO_2 (%v/v)	Total Dust	Pure Asbestos Material		
S-I	15	Fly Ash Slurry Preparation tank	(Bag Filter)		150					Half-Yearly
S-2	15	BOD, ERM & Bag Shredder	(Bag Filter & Wet Scrubber)				2 mg/ Nm^3	0.2 fibres/cc		-do-
S-3	15	Cement Mixing Tank	(Bag Filter)		150					-do-
S-4	3.5m above roof level	01 NO. 600 KVA DG Set			150					-do-
S-5										
S-6										
S-7										
S-8										
S-9										
S-10										

31/01/19

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)
Environmental Engineer
West Bengal Pollution Control Board
Regional Office

ard

Continued.....

Consent to M/s. Visaka Industries Ltd.

for its unit at Vill. Changsole, P.O. Saiyedpur, P.S. Salboni, Medinipore (W) - 721147

14. The *Applicant* shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the *State Board's* staff as well as *State Board's* authorised agencies.

15. The *Applicant* shall observe the following fuel consumption pattern :-

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	HSD	—	DG Set.
02			
03			
04			
05			

16. The *Applicant* shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below :-

Type of waste	Quantity	Treatment	Disposal
Dust, Broken pieces	50 T.P.M.	—	Recycled through Wet Ball Mill.
Sludge/ Paste	—	—	Recycled.

17. The *Applicant* shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) L_{eq}
Day Time (06 a.m. to 10 p.m.)	70
Night Time (10 p.m. to 06 a.m.)	75

18. The *Applicant* shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.

19. The *Applicant* shall bring about at least 33% of the available open land under the green coverage / plantation.

20. The *Applicant* shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the *Applicant* to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the *Applicant* shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.

21. The *Applicant* shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.

22. The *Applicant* shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

23. The *Applicant* shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste.

Mandi 31/01/19

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Environmental Engineer
West Bengal Pollution Control Board
Regional Office

Continued...

Consent to M/S. Visaka Industries Ltd.

for its unit at Vill. Changsole, PO. Saiyedpur, PS. Salboni, Medinipore (W) - 721147

24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.

25. The *Applicant* shall get the samples of hazardous wastes/leachates analysed at least once in ..... from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.

26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.

27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.

28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.

29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.

30. The *Application* shall furnish to the *State Board* all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.

31. The *Applicant* shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.

32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.

33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.

34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.

35. The *Applicant* shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.

36. The *Applicant* shall comply with the conditions as laid down in the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions This certificate may be revoked in case of any valid public complaint against the unit from environmental point of view.

Environmental Engineer
West Bengal Pollution Control Board
Regional Office

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)