



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:- 01/06/20

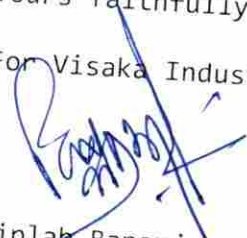
Sub :-Half Yearly Compliance Report for the period of Oct-19 to Mar-20
Ref:- Approval letter no. J-11011/92/2002-AII(1) dated 06-02-2003

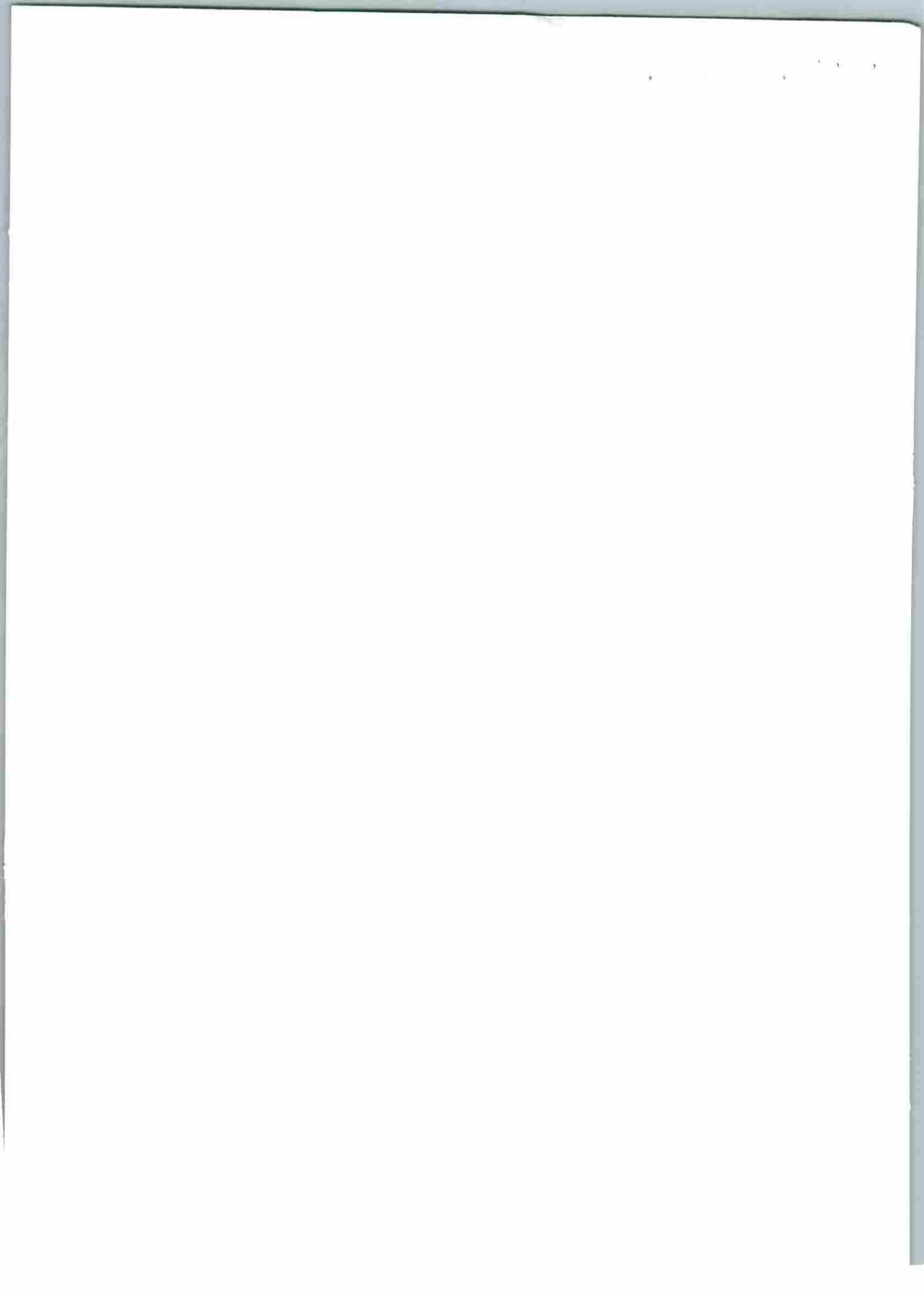
Dear Sir,

Enclose please find hard copy of the half- yearly compliance report
from Oct-19 to Mar-20 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 - III.
SALBONI # MIDNAPORE (W).**

**SIX MONTHLY COMPLIANCE REPORT
FOR THE PERIOD
OCTOBER -2019 MARCH -2020**

**SIX MONTHLY COMPLIANCE REPORT FOR THE PERIOD
OCTOBER- 2019 TO MARCH- 2020**

Ref: Approval letter no J-11011/92/2002-AII(1) dated 06-02-2003.

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.	We are adhering to the prescribed BIS standards and laws regarding use and handling of asbestos, safety of employees etc.
ii	Blue asbestos should not be utilized as a raw material in the manufacturing process. A written commitment in this regard should be furnished within a period of one month. .	We stand committed to our policy decision of not using Blue asbestos as one of the raw material.
iii	There should be no manual handling / opening of asbestos fibre bags. The company should 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.	The company shall comply with total dust emission limit of 2mg/Nm ³ as notified under the Environment (Protection) Act, 1986. Adequate measures should be adopted to control the process emission and ensure that the discharge of asbestos fibre does not exceed the emission limit of 0.2 fibre/cc. Further, in the work zone area the fibre count should not exceed 0.5 fibre/cc.	Our emission levels through fibre stack are well below the limits, prescribed by the MOEF in respect of total dust max 2 mg/NM3 and Fibre count not exceeding 0.2 fibre/cc. Work zone fibre count is not exceeding 0.1 fibre/cc, which has been revised in the clearance letter no J-11011/3/2004- IA II (I) dated 24.02.2006 from 0.5 fibre/cc to 0.1 fibre/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
v.	The air pollution control measures such as bag filters should be interlocked with the manufacturing process. In the event of failure of any pollution control system, the unit should be put out of operation immediately and should not be restarted until the control system is rectified to achieve the desired efficiency.	The Air pollution control measures such as bags filters are interlocked with the manufacturing process. In the event failure of any pollution control system the unit automatically is put out of operation immediately. We ensure that plant will be restarted after control system is rectified to achieve the desired efficiency.

vi.	Bags containing asbestos fibre should be stored in 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	Continuous measurement of pollutants in the work zone area should be undertaken. In addition, the asbestos fibre count in the work zone area should be monitored by an Independent Monitoring Agency like NIOH, ITRC/NCB etc on a six-monthly basis. The monitoring data should be submitted to the SPCB once in a three months 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(Bombay) & RLI (Kolkata). We are also getting the asbestos fibre count in work zone area monitored by MOEF approved/reputed Laboratories.
viii	As reflected in the EMP, there will be no discharge of process effluent. The entire process effluent should be reused / recycled in the manufacturing process. The domestic waste water should be adequately treated in a sewage treatment plant and used for green belt development.	No process effluent is discharged outside the plant premises. 100% is recycled to the process.
ix.	The company will ensure that the entire solid waste generated including process rejects, dust from bag filters and empty asbestos bag will be reused in the manufacturing process. The disposal facilities for asbestos waste should be in accordance with the bureau of Indian Standard Code.	We ensure that the entire solid waste generated including process rejects, dust from bag filters and empty fiber bag will be reused in the manufacturing process.
x	Regular medical examination of workers and health monitoring of the employees should be carried out and record maintained. 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 should be arranged under the existing laws.	Regular medical examination and health monitoring of employees is being carried out and record 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.

xi	The company should also undertake water-harvesting measures and plan of action should be submitted to MOEF within three months	We have already done rain water harvesting systems at our site. A complete layout drawing have been submitted earlier.
xii	As reflected in the EMP, 63% of the project area should be developed as greenery with local species in consultation with DFO.	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 mango, Arjun, Gulmohar, Kaiji, Kassia, Seesam, Neem, Ukaliptus, Amala, Jack fruit, Guava, Chiku etc.

C. GENERAL CONDITIONS:

	Conditions	Compliance Status
i.	The project authorities must strictly adhere to the stipulations made by the West Bengal State 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, 2000.	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 also comply with all the recommendations made by the public Hearing panel and safeguards recommended in the EIA/EMP Report.	We comply with all the recommendations made by public hearing panel and safe guards as recommended in the EIA/EMP reports.
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 adequate 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	We have provided adequate funds both recurring and non-recurring to implement the conditions stipulated by MOEF as well as state government. The funds so provided is not being diverted for any other purposes.

	stipulated herein. The fund so provided should not be 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 along with statistical interpretation should be submitted to them regularly.	We are regularly submitting a quarterly & half yearly compliance status report along with all the monitoring data's to WBPCB & MOEF respectively.
viii.	The project proponent should 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 Statesman" a leading daily news paper (English) 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)



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

List of Attachment Details of Compliance report (Hard copy)

1. Copies of Ambient Air Monitoring
2. Monitoring of PM2.5 for all AAQ monitoring 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. Environmental statement from Oct-19 to Mar-20. (Cost)
9. Environment monitoring equipment & control equipment details.
10. Details of Environmental Monitoring Cell (EMC)
11. Bore well Authorization certificate details.
12. Drinking water Test report.
13. Hazardous waste Authorization certificate.
14. NOC of consent to operate.
15. Personal sampler test report.

For **visaka Industries Limited**


Biplab Banerjee
(Asst. Works Manager)

For VISAKA INDUSTRIES LTD.

Biplab Banerjee
(Asst. Works Manager)



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO. - ICI/FM/51

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

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E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/H/19-20/1010

Issued To : M/s. Visaka Industries Ltd.

Address : Mouza: - Changsole, Vill. + P.O. - Sayedpur,
Salbani, Paschim Medinipur, Pin - 721147

Sample Ref. No. : A/H/1010

Report Date : 24.12.19

Date of Sampling : 19.12.19

Analysis Started on : 23.12.19

Analysis completed on : 23.12.19

Sample Description : Ambient Air

Location : Ambient Air Monitoring Station No. - 1 (Li)

Sample Condition : In Glass Microfibre Filter Paper & Plastic Bottle

Sampling Method : CPCB, Emission Regulation (Part III)

Test Method : CPCB, Emission Regulation (Part III), IS 5182 (Part - 2):2001 (RA 2017), IS 5182 (Part - 4):1999 (RA 2019), IS 5182 (Part - 6):2006 (RA 2017)

Time	Concentration ($\mu\text{g}/\text{m}^3$)				Ambient Temperature in $^{\circ}\text{C}$ (Average)
	SPM	RPM	SO ₂	NO ₂	
10:00 AM to 06:00 PM	239.34	79.62	13.95	38.85	23.0

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

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

SPM = No Limit,

RPM/PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, 24 hours basis (Industrial, Residential, Rural & Other Area)

RPM/PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, 24 hours basis (Ecologically Sensitive Area)

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

Nitu Sarddar

Checked By: Nitu Sarddar

For, Indicative Consultant India

Debashis Haider

(Sr. Chemist)

Signatory Authority



- Note:
1. Test results shown in this test report relate only to the item tested.
 2. This test report shall not be reproduce anywhere except in full and in same format without the approval of the laboratory.
 3. Retention period of tested samples (Filter Paper) is 6 months from the date of issue of test report unless otherwise specified.



UAM No. (MSME)
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TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/H/19-20/1011

Issued To : M/s. Visaka Industries Ltd.

Address : Mouza: - Changsole, Vill. + P.O. - Sayedpur,
Salbani, Paschim Medinipur, Pin - 721147

Sample Description : Ambient Air

Location : Ambient Air Monitoring Station No. - 2 (L₂)

Sample Condition : In Glass Microfibre Filter Paper & Plastic Bottle

Sampling Method : CPCB, Emission Regulation (Part III)

Test Method : CPCB, Emission Regulation (Part III), IS 5182 (Part - 2):2001 (RA 2017), IS 5182
(Part - 4):1999 (RA 2019), IS 5182 (Part - 6):2006 (RA 2017)

Sample Ref. No. : A/H/1011

Report Date : 24.12.19

Date of Sampling : 19.12.19

Analysis Started on : 23.12.19

Analysis completed on : 23.12.19

Time	Concentration ($\mu\text{g}/\text{m}^3$)				Ambient Temperature in °C (Average)
	SPM	RPM	SO ₂	NO ₂	
10:30 AM to 06:30 PM	269.74	69.40	14.95	37.94	23.0

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

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

SPM = No Limit.

RPM/PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, 24 hours basis (Industrial, Residential, Rural & Other Area)

RPM/PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, 24 hours basis (Ecologically Sensitive Area)

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

Checked By: Nitu Sarddar

For, Indicative Consultant India

Debashis Halder
(Sr. Chemist)
Signatory Authority



Towards Sustainable Growth

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UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO. - ICI/FM/5

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TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No.	: ICI/A/H/19-20/1012	Sample Ref. No.	: A/H/1012
Issued To	: M/s. Visaka Industries Ltd.	Report Date	: 24.12.19
Address	: Mouza: - Changsole, Vill. + P.O. - Sayedpur, Salbani, Paschim Medinipur, Pin - 721147	Date of Sampling	: 19.12.19
Sample Description	: Ambient Air	Analysis Started on	: 23.12.19
Location	: Ambient Air Monitoring Station No. - 3 (L ₃)	Analysis completed on	: 23.12.19
Sample Condition	: In Glass Microfibre Filter Paper & Plastic Bottle		
Sampling Method	: CPCB, Emission Regulation (Part III)		
Test Method	: CPCB, Emission Regulation (Part III), IS 5182 (Part - 2):2001 (RA 2017), IS 5182 (Part - 4):1999 (RA 2019), IS 5182 (Part - 6):2006 (RA 2017)		

Time	Concentration ($\mu\text{g}/\text{m}^3$)				Ambient Temperature in °C (Average)
	SPM	RPM	SO ₂	NO ₂	
11:00 AM to 07:00 PM	285.47	81.23	14.95	40.65	23.0

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

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

SPM = No Limit,

RPM/PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, SO₂ = 80 $\mu\text{g}/\text{m}^3$, NO₂ = 80 $\mu\text{g}/\text{m}^3$, 24 hours basis (Industrial, Residential, Rural & Other Area)

RPM/PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, SO₂ = 80 $\mu\text{g}/\text{m}^3$, NO₂ = 80 $\mu\text{g}/\text{m}^3$, 24 hours basis (Ecologically Sensitive Area)

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

Sardar

Checked By: Nitu Sarddar

For, Indicative Consultant India

Debashis Haldar
(Sr. Chemist)
Signatory Authority



Towards Sustainable Growth

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INDICATIVE CONSULTANT INDIA

(GOVT. REGISTERED TEST HOUSE)



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9001:2015

18001:2007

ISO/IEC 17025:2017
Certificate No.: TC-6159

TEST REPORT

Date: 03.03.2020	Report No: ICI/HL/A/PTC-105/2020	Format No: ICI/FM/H/62
Customer Name	M/s. Visaka Industries Ltd.	Sample ID No
Address	Mouza: - Changsole, Vill. + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date
Customer Representative Name & Contact Number	Mr. Sunil Chanda Mob. No. 8170064044	Analysis Start Date
Work Order No.	35152 Dtd. 21.02.2020	Analysis complete Date
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 Method	CPCB, Emission Regulation (Part III), IS 5182 (Part - 2):2001 (RA 2017), IS 5182 (Part-4):1999 (RA 2019), IS 5182 (Part - 6):2006 (RA 2017), IS : 5182 (Part - 23), 2006 (RA 2017)	

Sampling Time	Concentration ($\mu\text{g} / \text{m}^3$)				Ambient Temperature in $^{\circ}\text{C}$ (Average)
	SPM	RPM	SO ₂	NO ₂	
10:10 AM to 06:10 PM	197.09	70.25	13.95	37.04	28.0

Limit: ($\mu\text{g} / \text{m}^3$) Ambien Air Quality standard (National)

SPM = No Limit, RPM/PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, 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: N. Mondal

Checked By: A. Patra

Test Witnessed By: Nil
Estimated Uncertainty: Not Required



- Note:
1. Sample is drawn by M/s. Indicative Consultant India
 2. Sample submitted and identified by customer as: N.A.
 3. Test results shown in this test report relate only to the sample (s) only
 4. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 5. The reproduction of the report except in full is invalid without written approval of the laboratory
 6. Retention period of tested samples (Filter Paper) is 180 days & filter paper no. F-20 from the date of issue of test report unless otherwise specified.

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

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9001:2015

18001:2007

ISO/IEC 17025:2017
Certificate No.: TC-6159

TEST REPORT

Date: 03.03.2020	Report No: ICI/HL/APTC-106/2020	Format No: ICI/FM/H/62
Customer Name	M/s. Visaka Industries Ltd.	Sample ID No
Address	Mouza: - Changsole, Vill. + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date
Customer Representative Name & Contact Number	Mr. Sunil Chanda Mob. No. 8170064044	Analysis Start Date
Work Order No.	35152 Dtd. 21.02.2020	Analysis complete Date
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 Method	CPCB, Emission Regulation (Part III), IS 5182 (Part - 2):2001 (RA 2017), IS 5182 (Part-4):1999 (RA 2019), IS 5182 (Part - 6):2006 (RA 2017), IS : 5182 (Part - 23), 2006 (RA 2017)	

Sampling Time	Concentration ($\mu\text{g} / \text{m}^3$)				Ambient Temperature in °C (Average)
	SPM	RPM	SO ₂	NO ₂	
10:20 AM to 06:20 PM	217.58	82.00	14.95	41.56	28.0

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

SPM = No Limit, RPM/PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, 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: N. Mondal

Checked By: A. Patra



Test Witnessed By: Nil
Estimated Uncertainty: Not Required

- Note :
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End of Report

Page 1 of 1



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9001:2015

18001:2007

ISO/IEC 17025:2017
Certificate No.: TC-6159

TEST REPORT

Date: 03.03.2020	Report No: ICI/HL/APTC-107/2020	Format No: ICI/FM/H/62
Customer Name	M/s. Visaka Industries Ltd.	Sample ID No
Address	Mouza: - Changsole, Vill. + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date
Customer Representative Name & Contact Number	Mr. Sunil Chanda Mob. No. 8170064044	Analysis Start Date
Work Order No.	35152 Dtd. 21.02.2020	Analysis complete Date
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 Method	CPCB, Emission Regulation (Part III), IS 5182 (Part - 2):2001 (RA 2017), IS 5182 (Part-4):1999 (RA 2019), IS 5182 (Part - 6):2006 (RA 2017), IS : 5182 (Part - 23), 2006 (RA 2017)	

Sampling Time	Concentration ($\mu\text{g} / \text{m}^3$)				Ambient Temperature in °C (Average)
	SPM	RPM	SO ₂	NO ₂	
10:30 AM to 06:30 PM	198.14	69.51	15.95	38.85	28.0

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

SPM = No Limit, RPM/PM₁₀ = 100 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, 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: N. Mondal

Checked By: A. Patra



Test Witnessed By: Nil
Estimated Uncertainty: Not Required

- Note :
1. Sample is drawn by M/s. Indicative Consultant India
 2. Sample submitted and identified by customer as: N.A.
 3. Test results shown in this test report relate only to the sample (s) only
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 5. The reproduction of the report except in full is invalid without written approval of the laboratory
 6. Retention period of tested samples (Filter Paper) is 180 days & filter paper no. F-22 from the date of issue of test report unless otherwise specified.

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

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9001:2015

18001:2007

ISO/IEC 17025:2017
Certificate No. : TC-5159

TEST REPORT

Date: 05.03.2020	Report No: ICI/HL/A/RN-158/2020	Format No: ICI/FM/H/61
Customer Name	M/s. Visaka Industries Ltd.	Sample ID No
Address	Mouza: - Changsole, Vill. + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date
Customer Representative Name & Contact Number	Mr. Sunil Chanda Mob. No. 8170064044	Analysis Start Date
Work Order No.	35280 Dtd. 15.03.2020	Analysis complete Date
Sample Description	Ambient Air	
Location	In Between Weigh Bridge & Raw Material Godown	
Sample Condition	In Glass Microfibre Filter Paper & Plastic Bottle	
Sampling Method	CPCB, Emission Regulation (Part III)	
Test Method	CPCB, Emission Regulation (Part III), IS: 5182 (Part - 23) 2006 (RA 2017), USEPA CFR 40(Part-50): Appendix L, IS: 5182 (Part - 2):2001 (RA 2017), IS: 5182 (Part - 6):2006 (RA 2017), Non-Dispersive Infrared Spectrometry Method, Soxhlet Extraction and GC analysis, Atomic Absorption Spectrophotometric Method, Indophenol Blue Method	
Ambient Temperature in °C (Average)	24.0	

Towards Sustainable Growth

Time of Sampling	Concentration ($\mu\text{g} / \text{m}^3$)							Concentration (mg / m^3)	Concentration (ng / m^3)		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Pb	Benzene	NH ₃	CO	Benzo(a) Pyrene	As	Ni
10:00 AM to 06:00 PM	82.61	26.58	12.96	34.33	BDL	BDL	BDL	0.2567	BDL	BDL	BDL
06:15 PM to 02:15 AM	89.23	29.30	14.95	36.14	BDL	BDL	BDL	0.2788	BDL	BDL	BDL
02:30 AM to 10:30 AM	78.10	25.32	11.96	35.23	BDL	BDL	BDL	0.3160	BDL	BDL	BDL

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

PM₁₀= 100 $\mu\text{g}/\text{m}^3$, PM_{2.5}=60 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, Lead=1.0 $\mu\text{g}/\text{m}^3$, Ammonia=400 $\mu\text{g}/\text{m}^3$, 24 hours basis. Carbon mono oxide=2 mg/m^3 , 8 hours basis, Benzene=5 $\mu\text{g}/\text{m}^3$, Benzopyrene=1 ng/m^3 , Arsenic =6 ng/m^3 , Nickel=20 ng/m^3 , Annual basis
For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

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

Prepared By: N. Mondal

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debasish Halder
(Sr. Chemist)
Signatory Authority



Test Witnessed By: Nil
Estimated Uncertainty: Not Required

- Note :
1. Sample is drawn by M/s. Indicative Consultant India
 2. Sample submitted and identified by customer as: N.A.
 3. Test results shown in this test report relate only to the sample (s) only
 4. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
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INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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9001:2015

18001:2007

ISO/IEC 17025:2017
Certificate No.: TC-6159

TEST REPORT

Date: 05.03.2020	Report No: ICI/HL/A/RN-158A/2020	Format No: ICI/FM/H/61
Customer Name	: M/s. Visaka Industries Ltd.	Sample ID No : 2020/AC-158A
Address	: Mouza: - Changsole, Vill. + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date : 28.02.2020
Customer Representative Name & Contact Number	: Mr. Sunil Chanda Mob. No. 8170064044	Analysis Start Date : 02.03.2020
Work Order No.	: 35280 Dtd. 15.03.2020	Analysis complete Date : 02.03.2020
Sample Description	: Ambient Air	
Location	: In Between Weigh Bridge & Raw Material Godown	
Sample Condition	: Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle	
Sampling Method	: UV Photometric Method / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	
Test Method	: UV Photometric Method / Air Sampling & Analysis 3 rd Edition, CPCB Guideline (Vol. - 1)	
Ambient Temperature in °C (Average)	: 28.0	

Time of Sampling	Concentration ($\mu\text{g} / \text{m}^3$)
	Ozone as O ₃
10:00 AM to 06:00 PM	36.50

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

O₃-100 $\mu\text{g}/\text{m}^3$, 8 hours basis (Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area)

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

For, INDICATIVE CONSULTANT INDIA

Prepared By: N. Mondal

Checked By: A. Patra

Debasish Mondal
(Sr. Chemist)
Signatory & Author

Consultant
Surveyor & Regd.
Test House
HALDIA

Test Witnessed By: Nil
Estimated Uncertainty: Not Required

- Note:
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INDICATIVE CONSULTANT INDIA



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ISO/IEC 17025:2017
Certificate No.: TC-6159

TEST REPORT

Date: 03.03.2020	Report No: ICI/HL/A/PTC-102/2020	Format No: ICI/FM/H/58
Customer Name	M/s. Visaka Industries Ltd.	Sample ID No
Address	Mouza: - Changsole, Vill. + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date
Customer Representative Name & Contact Number		Sampling Time
Work Order No.		Analysis Start Date
Sample Description	Stack Air	Analysis complete Date
Location	Fly Ash Slurry Preparation Tank	
Sample Condition	In Glass Microfibre Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	
Test Method	CPCB, Emission Regulation (Part III), IS 11255 (Part -I): 1985 (RA 2019), IS 11255 (Part -3): 2008 (RA 2018), ORSAT Method.	

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	Circular
Stack attached to	Fly Ash Slurry Preparation Tank	Material of Construction	M.S.
Emission due to	Process Activity	Stack ID at sampling point (M)	0.3
Fuel Used	-	At Bottom (M)	-
Rated Fuel Consumption	-	At Top (M)	0.3
Working Fuel Consumption	-	Height Details :	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	15.0
Sulphur Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt.)	-	c) Ht. of sampling port from GL(M)	4.8
Pollution Control Device	Bag Filter	d) Ht. of port from disturbance zone (M)	2.2
Whether Stack is provided with permanent Platform / Ladder : Yes			

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	32	Steam Generation Capacity :	
Barometric Pressure, (mm Hg)	758	a) Rated	-
Velocity of Gas flow (m/s)	7.78	b) Running	-
Quantity of Gas flow (Nm³/hr)	1931.20	Load :	
Pressure	-	a) Rated	-
		b) Running	70 TPD

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm³)	18.0
02.	Particulate Matter Normalized to 12% CO₂ (V/V) - (mg/Nm³)	-
03.	Sulphur di-oxide (mg/Nm³)	-
04.	NOx (mg/m³)	-
05.	CO % (V/V)	<0.2
06.	CO₂ % (V/V)	<0.2

Prepared By: A. Patra

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debasish Halder
(Sr./Chemist)

Signatory Authority



Test Witnessed By: Nil

Estimated Uncertainty: Not Required

- Note :
- Sample is drawn by M/s. Indicative Consultant India
 - Sample submitted and identified by customer as: N.A.
 - Test results shown in this test report relate only to the sample (s) only
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 - All general information's of stack are provided by the party.

End of Report

Page 1 of 1



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA

FORMAT No. - ICI/FM/52

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TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No.	: ICI/A/H/19-20/1009	Sample Ref. No.	: A/H/1009
Issued To	: M/s. Visaka Industries Ltd.	Report Date	: 24.12.19
Address	: Mouza: - Changsole, Vill. + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur. Pin - 721147	Date of Sampling	: 19.12.19
Sample Description	: Stack Air	Analysis Started on	: 23.12.19
Location	: E. R. Mill & Automatic Bag Opening Device	Analysis Completed on	: 23.12.19
Sample Condition	: In Glass Microfibre Thimble	Time of Sampling	: 12:45 PM
Sampling Method	: CPCB, Emission Regulation (Part III)		
Test Method	: CPCB, Emission Regulation (Part III), IS: 11255 (Part -I), 1985, Reaffirmed 2003 IS: 11255 (Part -3), 2008, ORSAT Method		

A. GENERAL INFORMATION ABOUT STACK:

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

B. PHYSICAL DATA:

Flue Gas Temperature (°C)	: 31	Steam Generation Capacity :	
Barometric Pressure (mm Hg)	: 757	a) Rated	: -
Velocity of Gas flow (m/s)	: 8.03	b) Running	: -
Quantity of Gas flow (Nm³/hr)	: 3550.25	Load :	
Pressure	: -	a) Rated	: -
		b) Running	: 1.5 TPH

C. RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm³)	: 1.2
02.	Particulate Matter Normalised to 12% CO₂ (V/V) - (mg/Nm³)	: -
03.	Sulphur di-oxide (mg/ Nm³)	: -
04.	NOx (mg/m³)	: -
05.	CO % (V/V)	: <0.2
06.	CO₂ % (V/V)	: <0.2

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

Sarddar

Checked By: Nitu Sarddar

For, Indicative Consultant India

Debashis Halder
(Sr. Chemist)
Signatory Authority



Towards Sustainable Growth

- Note :**
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 3. Retention period of tested samples is 10 days from the date of issue of test report unless otherwise specified.
 4. All general informations of stack are provided by the party.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT No. - ICI/FM/52

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TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/H/19-20/1007
Issued To : M/s. Visaka Industries Ltd.
Address : Mouza: - Changsole, Vill. + P.O. - Sayedpur,
P.S. - Salboni, Paschim Medinipur, Pin - 721147

Sample Ref. No. : A/H/1007
Report Date : 24.12.19
Date of Sampling : 19.12.19
Analysis Started on : 23.12.19
Analysis Completed on : 23.12.19
Time of Sampling : 10:45 AM

Sample Description : Stack Air
Location : Fly Ash Slurry Preparation Tank
Sample Condition : In Glass Microfibre Thimble
Sampling Method : CPCB, Emission Regulation (Part III)
Test Method : CPCB, Emission Regulation (Part III), IS: 11255 (Part -I), 1985, Reaffirmed 2003 IS: 11255 (Part -3), 2008, ORSAT Method

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	: Circular
Stack attached to	: Fly Ash Slurry Preparation Tank	Material of Construction	: M.S
Emission due to	: Process Activity	Stack ID at sampling point (M)	: 0.30
Fuel Used	: -	At Bottom (M)	: -
Rated Fuel Consumption	: -	At Top (M)	: 0.30
Working Fuel Consumption	: -	Height Details :	
Calorific Value(Kcal/kg)	: -	a) Total Ht. Of stack from GL(M)	: 15.0
Sulphur Content (% by Wt)	: -	b) Total Ht. Of stack from RL(M)	: -
Ash Content (% by Wt.)	: -	c) Ht. of sampling port from GL(M)	: 4.8
Pollution Control Device	: Bag Filter	d) Ht. of port from disturbance zone (M)	: 2.2
Whether Stack is provided with permanent Platform / Ladder : Yes			

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 30	Steam Generation Capacity :	
Barometric Pressure.(mm Hg)	: 757	a) Rated	: -
Velocity of Gas flow (m/s)	: 7.76	b) Running	: -
Quantity of Gas flow (Nm ³ /hr)	: 1936.21	Load : a) Rated	: -
Pressure	: -	b) Running	: 70 TPD

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm ³)	: 1.4
02.	Particulate Matter Normalized to 12% CO ₂ (V/V) - (mg/Nm ³)	: -
03.	Sulphur di-oxide (mg/ Nm ³)	: -
04.	NOx (mg/m ³)	: -
05.	CO % (V/V)	: <0.2
06.	CO ₂ % (V/V)	: <0.2

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

Checked By: Nitu Sarddar

For, Indicative Consultant India

Debasish Halder
(Sr. Chemist)

Signatory Authority



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4. All general informations of stack are provided by the party.

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WB12E0004183

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FORMAT No. - ICI/FM/52

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TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No.

Issued To

Address

Sample Description

Location

Sample Condition

Sampling Method

Test Method

: ICI/A/H/19-20/1008

: M/s. Visaka Industries Ltd.

: Mouza: - Changsole, Vill. + P.O. - Sayedpur,

P.S. - Salboni, Paschim Medinipur, Pin - 721147

: Stack Air

: Cement Mixture Tank

: In Glass Microfibre Thimble

: CPCB, Emission Regulation (Part III)

: CPCB, Emission Regulation (Part III), IS: 11255 (Part -1), 1985, Reaffirmed 2003 IS: 11255 (Part -3),

2008, ORSAT Method

Sample Ref. No.

Report Date

Date of Sampling

Analysis Started on

Analysis Completed on

Time of Sampling

: A/H/1008

: 24.12.19

: 19.12.19

: 23.12.19

: 23.12.19

: 11:45 AM

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant

Stack attached to

Emission due to

Fuel Used

Rated Fuel Consumption

Working Fuel Consumption

Calorific Value(Kcal/kg)

: Cement Mixture Tank
Process Activity

Shape of Stack

Material of Construction

Stack ID at sampling point (M)

At Bottom (M)

At Top (M)

Height Details :

a) Total Ht. of stack from GL(M)

b) Total Ht. of stack from RL(M)

c) Ht. of sampling port from GL(M)

d) Ht. of port from disturbance zone (M)

: Circular

: M.S

: 0.30

: -

: 0.30

: 15.0

: -

: 4.2

: 2.7

Sulphur Content (% by Wt)

Ash Content (% by Wt)

Pollution Control Device

: Bag Filter

Whether Stack is provided with permanent Platform / Ladder : Yes

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)

Barometric Pressure, (mm Hg)

Velocity of Gas flow (m/s)

Quantity of Gas flow (Nm³/hr)

Pressure

: 30

: 757

: 8.14

: 2031.22

Steam Generation Capacity :

a) Rated

b) Running

Load : a) Rated

b) Running

: 100 TPD

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm ³)	
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	20.0
03.	Sulphur di-oxide (mg/ Nm ³)	-
04.	NOx (mg/m ³)	-
05.	CO % (V/V)	-
06.	CO ₂ % (V/V)	<0.2
		<0.2

End of Report

Checked By: Nitu Sarddar

For, Indicative Consultant India

Debashis Halder
(Sr. Chemist)

Signatory Authority



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4. All general informations of stack are provided by the party.

Towards Sustainable Growth



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9001:2015

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ISO/IEC 17025:2017
Certificate No.: TC-6199

TEST REPORT

Date: 03.03.2020	Report No: ICI/HL/A/PTC-103/2020	Format No: ICI/FM/H/58
Customer Name	M/s. Visaka Industries Ltd.	Sample ID No : 2020/PA-103
Address	Mouza: - Changsole, Vill. + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date : 28.02.2020
Customer Representative Name & Contact Number		Sampling Time : 11:15 AM
Work Order No.		Analysis Start Date : 02.03.2020
Sample Description	Stack Air	Analysis complete Date : 02.03.2020
Location	Cement Mixture Tank	
Sample Condition	In Glass Microfibre Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	
Test Method	CPCB, Emission Regulation (Part III), IS 11255 (Part -1): 1985 (RA 2019), IS 11255 (Part -3): 2008 (RA 2018), ORSAT Method.	

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)	0.30
Rated Fuel Consumption	-	At Bottom (M)	-
Working Fuel Consumption	-	At Top (M)	0.30
Calorific Value(Kcal/kg)	-	Height Details :	
Sulphur Content (% by Wt)	-	a) Total Ht. Of stack from GL(M)	15.0
Ash Content (% by Wt.)	-	b) Total Ht. Of stack from RL(M)	-
Pollution Control Device	Bag Filter	c) Ht. of sampling port from GL(M)	4.2
Whether Stack is provided with permanent Platform / Ladder : Yes		d) Ht. of port from disturbance zone (M)	2.7

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	34	Steam Generation Capacity :	
Barometric Pressure, (mm Hg)	758	a) Rated	-
Velocity of Gas flow (m/s)	8.19	b) Running	-
Quantity of Gas flow (Nm³/hr)	2019.54	Load : a) Rated	-
Pressure	-	b) Running	100 TPD

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm³)	12.0
02.	Particulate Matter Normalized to 12% CO₂ (V/V) - (mg/Nm³)	-
03.	Sulphur di-oxide (mg/ Nm³)	-
04.	NOx (mg/m³)	-
05.	CO % (V/V)	<0.2
06.	CO₂ % (V/V)	<0.2

Prepared By: A. Patra

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debashis Halder
(Sr. Chemist)
Signatory Authority



Test Witnessed By: Nil

Estimated Uncertainty: Not Required

- Note :
1. Sample is drawn by M/s. Indicative Consultant India
 2. Sample submitted and identified by customer as: N.A.
 3. Test results shown in this test report relate only to the sample (s) only
 4. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 5. The reproduction of the report except in full is invalid without written approval of the laboratory
 6. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T- 97 from the date of issue unless otherwise specified.
 7. All general information's of stack are provided by the party.

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

Page 1 of 1



INDICATIVE CONSULTANT INDIA



GOVT. REGISTERED TEST HOUSE)



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18001:2007

ISO/IEC 17025:2017
Certificate No.: TC-6159

TEST REPORT

Date: 03.03.2020	Report No: ICI/HL/A/PTC-104/2020	Format No: ICI/FM/H/58
Customer Name	M/s. Visaka Industries Ltd.	Sample ID No
Address	Mouza: - Changsole, Vill. + P.O. - Sayedpur, P.S. - Salboni, Paschim Medinipur, Pin - 721147	Sampling Date
Customer Representative Name & Contact Number		Sampling Time
Work Order No.		Analysis Start Date
Sample Description	Stack Air	Analysis complete Date
Location	E.R. Mill & Automatic Bag Opening Device	
Sample Condition	In Glass Microfibre Thimble	
Sampling Method	CPCB, Emission Regulation (Part III)	
Test Method	CPCB, Emission Regulation (Part III), IS 11255 (Part -1): 1985 (RA 2019), IS 11255 (Part -3): 2008 (RA 2018), ORSAT Method.	

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant		Shape of Stack	Circular
Stack attached to	E.R. Mill & Automatic Bag Opening Device	Material of Construction	M.S.
Emission due to	Process Activity	Stack ID at sampling point (M)	0.4
Fuel Used	-	At Bottom (M)	-
Rated Fuel Consumption	-	At Top (M)	0.4
Working Fuel Consumption	-	Height Details :	
Calorific Value(Kcal/kg)	-	a) Total Ht. Of stack from GL(M)	18.0
Sulphur Content (% by Wt)	-	b) Total Ht. Of stack from RL(M)	-
Ash Content (% by Wt.)	-	c) Ht. of sampling port from GL(M)	9.8
Pollution Control Device	Bag Filter With Wet Scrubber	d) Ht. of port from disturbance zone (M)	3.3
Whether Stack is provided with permanent Platform / Ladder :	Yes		

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	36	Steam Generation Capacity :	
Barometric Pressure, (mm Hg)	758	a) Rated	-
Velocity of Gas flow (m/s)	8.09	b) Running	-
Quantity of Gas flow (Nm³/hr)	3523.64	Load : a) Rated	-
Pressure	-	b) Running	1.5 TPH

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm³)	1.5
02.	Particulate Matter Normalized to 12% CO₂ (V/V) - (mg/Nm³)	-
03.	Sulphur di-oxide (mg/ Nm³)	-
04.	NOx (mg/m³)	-
05.	CO % (V/V)	<0.2
06.	CO₂ % (V/V)	<0.2

Prepared By: A. Patra

Checked By: A. Patra

For, INDICATIVE CONSULTANT INDIA

Debasish Talukder
(Sr. Chemist)

Signatory Authority



Test Witnessed By: Nil

Estimated Uncertainty: Not Required

- Note :
1. Sample is drawn by M/s. Indicative Consultant India
 2. Sample submitted and identified by customer as: N.A.
 3. Test results shown in this test report relate only to the sample (s) only
 4. The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 5. The reproduction of the report except in full is invalid without written approval of the laboratory
 6. Retention period of tested samples (Thimbles) is 180 days & thimbles no. T- 98 from the date of issue unless otherwise specified.
 7. All general information's of stack are provided by the party.

End of Report

Page 1 of 1

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

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

R1-1/22/1-2 Santoshnagar (M). Block-B. Maheshnagar, Kolkata-700142. Phone: 7797245819, 7797506

**VISAKA INDUSTRIES LIMITED®**

CIN: L52520TG1981PLC003072

FACTORY: MANIKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT, TAMIL NADU - 637 207
TEL: (04268) 250370 & 250380 FAX: (04268) 251376, www.visaka.in email: paramathi.factory@visaka.in

ASBESTOS FIBRE COUNTING CELL

Achieved a "1" rating Laboratory for counting of Asbestos Fibre by INSTITUTE OF OCCUPATIONAL MEDICINE,
Edinburgh, U.K., World Health Organization Collaborating Centre for Occupational Health

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS

OCTOBER - 2019

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.

Specifications : As Per AIA - R T M 1

Sampling Duration : 60 Minutes.

(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
PERSONAL SAMPLING					
1	14-10-2019	545-2019-10-3-1	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 0.025
2	14-10-2019	546-2019-10-3-24	Loading Platform	The worker carrying the sampler was working in FG loading section. He was using PPE's.	< 0.1 0.020
3	14-10-2019	547-2019-10-3-36	Forklift Driver While Carrying Fibre Bags	The forklift driver carrying the sampler was engaged in loading of AC sheets at loading area during the sampling.	< 0.1 0.008
4	15-10-2019	548-2019-10-3-3	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 0.016
5	15-10-2019	549-2019-10-3-19	Moulding Section	The worker carrying the sampler making AVS 10 moulded articles along with other workers. He was using PPE's.	< 0.1 0.049
6	15-10-2019	550-2019-10-3-44	Sheet Cutting Area	The worker carrying the sampler was engaged in operation of cutting the AC broken sheets. He was using PPE's.	< 0.1 0.041

31-OCTOBER-2019

Page 1 of 2


T. MURUGANANDHAM
SR. OFFICER (EHS)



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AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS OCTOBER - 2019

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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.

Specifications : As Per AIA - RTM 1

Sampling Duration : 60 Minutes.

(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	16-10-2019	551-2019-10-3-11	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 0.029
2	16-10-2019	552-2019-10-3-46	LDO Tank Area	The static sample is collected nearby LDO storage tank. The plant was in production of Fibre cement sheets.	< 0.1 0.012

31-OCTOBER-2019

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T. MURUGANANDHAM
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AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS
NOVEMBER - 2019

Name of the Company : **M/s. VISAKA INDUSTRIES LIMITED,** Analyzer Under : Carl Zeiss Make, Axioskop 40,
Saiyedpore-Post, P.S-Salboni, Phase Contrast Microscope,
West Midnapore, West Bengal-721147.

Flow Rate : 1.0 LPM.

Specifications : As Per A I A - R T M 1

Sampling Duration : 60 Minutes.

(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
PERSONAL SAMPLING					
1	14-11-2019	636-2019-11-3-1	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 0.057
2	14-11-2019	637-2019-11-3-24	Loading Platform	The worker carrying the sampler was working in FG loading section. He was using PPE's.	< 0.1 0.033
3	14-11-2019	638-2019-11-3-36	Forklift Driver While Carrying Fibre Bags	The forklift driver carrying the sampler was engaged in loading of AC sheets at loading area during the sampling.	< 0.1 0.025
4	15-11-2019	639-2019-11-3-3	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 0.041
5	15-11-2019	640-2019-11-3-19	Moulding Section	The worker carrying the sampler making AVS 10 moulded articles along with other workers. He was using PPE's.	< 0.1 0.053
6	15-11-2019	641-2019-11-3-44	Sheet Cutting Area	The worker carrying the sampler was engaged in operation of cutting the AC broken sheets. He was using PPE's.	< 0.1 0.049

27-NOVEMBER-2019

Page 1 of 2


T. MURUGANANDHAM
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AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS **NOVEMBER - 2019**

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.

Specifications : As Per AIA - RTM I

Sampling Duration : 60 Minutes.

(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
<u>STATIC SAMPLING</u>					
1	16-11-2019	642-2019-11-3-4	Raw Material Section	The static sample is collected from RM section. The plant was in production of Fibre cement sheets.	< 0.1 0.033
2	16-11-2019	643-2019-11-3-11	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 0.041

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Page 2 of 2


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AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS**DECEMBER - 2019**

Name of the Company : **M/s. VISAKA INDUSTRIES LIMITED,** Analyzer Under : Carl Zeiss Make, Axioskop 40,
Saiyedpore-Post, P.S-Salboni, Phase Contrast Microscope,
West Midnapore West Bengal-721147.

Flow Rate : 1.0 LPM.

Specifications : As Per AIA - R T M 1

Sampling Duration : 60 Minutes.

(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
PERSONAL SAMPLING					
1	16-12-2019	682-2019-12-3-1	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 0.033
2	16-12-2019	683-2019-12-3-24	Loading Platform	The worker carrying the sampler was working in FG loading section. He was using PPE's.	< 0.1 0.016
3	16-12-2019	684-2019-12-3-36	Forklift Driver While Carrying Fibre Bags	The forklift driver carrying the sampler was engaged in loading of AC sheets at loading area during the sampling.	< 0.1 0.020
4	17-12-2019	685-2019-12-3-3	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 0.049
5	17-12-2019	686-2019-12-3-19	Moulding Section	The worker carrying the sampler making AVS 10 moulded articles along with other workers. He was using PPE's.	< 0.1 0.041
6	17-12-2019	687-2019-12-3-44	Sheet Cutting Area	The worker carrying the sampler was engaged in operation of cutting the AC broken sheets. He was using PPE's.	< 0.1 0.057

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Page 1 of 2


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AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS **DECEMBER - 2019**

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.

Specifications : As Per A I A - R T M 1

Sampling Duration : 60 Minutes.

(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	18-12-2019	688-2019-12-3-28	LDO Tank Area	The static sample is collected from LDO tank section. The plant was in production of Fibre cement sheets.	< 0.1 0.016
2	18-12-2019	689-2019-12-3-11	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

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Page 2 of 2


T. MURUGANANDHAM
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 Edinburgh, U.K., World Health Organization Collaborating Centre for Occupational Health*

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS**JANUARY - 2020**

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.

Specifications : As Per AIA - RTM 1

Sampling Duration : 60 Minutes.

(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
PERSONAL SAMPLING					
1	16-01-2020	33-2020-1-3-1	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	16-01-2020	34-2020-1-3-24	Loading Platform	The worker carrying the sampler was working in FG loading section. He was using PPE's.	< 0.1 0.025
3	16-01-2020	35-2020-1-3-36	Forklift Driver While Carrying Fibre Bags	The forklift driver carrying the sampler was engaged in loading of AC sheets at loading area during the sampling.	< 0.1 0.016
4	16-01-2020	36-2020-1-3-3	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 0.033
5	18-01-2020	37-2020-1-3-19	Moulding Section	The worker carrying the sampler making AVS 10 moulded articles along with other workers. He was using PPE's.	< 0.1 0.057
6	18-01-2020	38-2020-1-3-44	Sheet Cutting Area	The worker carrying the sampler was engaged in operation of cutting the AC broken sheets. He was using PPE's.	< 0.1 0.065

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Page 1 of 2

T. MURUGANANDHAM
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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.

Specifications : As Per AIA - R T M 1

Sampling Duration : 60 Minutes.

(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
<u>STATIC SAMPLING</u>					
1	18-01-2020	39-2020-1-3-46	LDO Tank Area	The static sample is collected from LDO tank section. The plant was in production of Fibre cement sheets.	< 0.1 0.004
2	18-01-2020	40-2020-1-3-11	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

29-JANUARY-2020

Page 2 of 2


T. MURUGANANDHAM
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AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS
FEBRUARY - 2020

Name of the Company : M/s. VISAKA INDUSTRIES LIMITED,
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West Midnapore, West Bengal-721147.

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

Flow Rate : 1.0 LPM.

Specifications : As Per A I A - R T M 1

Sampling Duration : 60 Minutes.

(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
PERSONAL SAMPLING					
1	18-02-2020	31-2020-2-3-1	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 0.033
2	18-02-2020	32-2020-2-3-24	Loading Platform	The worker carrying the sampler was working in FG loading section. He was using PPE's.	< 0.1 0.016
3	18-02-2020	33-2020-2-3-36	Forklift Driver While Carrying Fibre Bags	The forklift driver carrying the sampler was engaged in loading of AC sheets at loading area during the sampling.	< 0.1 0.000
4	19-02-2020	34-2020-2-3-3	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 0.016
5	19-02-2020	35-2020-2-3-19	Moulding Section	The worker carrying the sampler making AVS 10 moulded articles along with other workers. He was using PPE's.	< 0.1 0.041
6	19-02-2020	36-2020-2-3-44	Sheet Cutting Area	The worker carrying the sampler was engaged in operation of cutting the AC broken sheets. He was using PPE's.	< 0.1 0.049

29-FEBRUARY-2020

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AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS FEBRUARY - 2020

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West Midnapore, West Bengal-721147.

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

Flow Rate

: 1.0 LPM.

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

Sampling Duration

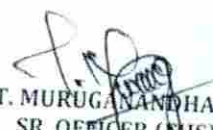
: 60 Minutes.

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	20-02-2020	37-2020-2-3-14	Destacker Area	The static sample is collected from Stock yard section. The plant was in production of Fibre cement sheets.	< 0.1 0.025
2	20-02-2020	38-2020-2-3-11	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 0.041

29-FEBRUARY-2020

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T. MURUGANANDHAM
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AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS**MARCH - 2020**

Name of the Company : **M/s. VISAKA INDUSTRIES LIMITED,** Analyzer Under : Carl Zeiss Make, Axioskop 40,
 Saiyedpore-Post, P.S-Salboni, Phase Contrast Microscope,
West Midnapore, West Bengal-721147.

Flow Rate : 1.0 LPM.

Specifications : As Per A I A - R T M 1

Sampling Duration : 60 Minutes.

(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
<u>PERSONAL SAMPLING</u>					
1	18-03-2020	105-2020-3-3-1	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 0.041
2	18-03-2020	106-2020-3-3-24	Loading Platform	The worker carrying the sampler was working in FG loading section. He was using PPE's.	< 0.1 0.020
3	18-03-2020	107-2020-3-3-36	Forklift Driver While Carrying Fibre Bags	The forklift driver carrying the sampler was engaged in loading of AC sheets at loading area during the sampling.	< 0.1 0.012
4	19-03-2020	108-2020-3-3-3	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
5	19-03-2020	109-2020-3-3-19	Moulding Section	The worker carrying the sampler making AVS 10 moulded articles along with other workers. He was using PPE's.	< 0.1 0.033
6	19-03-2020	110-2020-3-3-44	Sheet Cutting Area	The worker carrying the sampler was engaged in operation of cutting the AC broken sheets. He was using PPE's.	< 0.1 0.037

16-MAY-2020
 PARAMATHI - T.N.

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

REGD. OFFICE & FACTORY.: (A.C. DIVISION I), SURVEY NO.315, YELUMALA VILLAGE, R.C. PURAM MANDAL, MEDAK DISTRICT - 502 300 (T.S.)
 CORPORATE OFFICE.: "VISAKATOWERS" 1-8-303/69/3, S.P. ROAD, SECUNDERABAD - 500 003 (T.S.)



VISAKA INDUSTRIES LIMITED[®]

CIN: L52520TG1981PLC003072

FACTORY: MANIKANATHAM-VILLAGE, PARAMATHI-POST, NAMAKKAL-DISTRICT, TAMIL NADU - 637 207
TEL: (04268) 250370 & 250380 FAX: (04268) 251376, www.visaka.in email: paramathi.factory@visaka.in

ASBESTOS FIBRE COUNTING CELL

Achieved a "1" rating Laboratory for counting of Asbestos Fibre by INSTITUTE OF OCCUPATIONAL MEDICINE,
Edinburgh, U.K., World Health Organization Collaborating Centre for Occupational Health

AN EXTRACT OF WORK ZONE FIBRE COUNTING RESULTS **MARCH - 2020**

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.

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

Sampling Duration : 60 Minutes.

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
<u>STATIC SAMPLING</u>					
1	20-03-2020	111-2020-3-3-46	LDO Tank Area	The static sample is collected nearby LDO storage tank. The plant was in production of Fibre cement sheets.	< 0.1 0.008
2	20-03-2020	112-2020-3-3-11	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

16-MAY-2020
PARAMATHI - T.N.


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

REGD. OFFICE & FACTORY.: (A.C. DIVISION I), SURVEY NO.315, YELUMALA VILLAGE, R.C. PURAM MANDAL, MEDAK DISTRICT - 502 300 (T.S.)
CORPORATE OFFICE.: "VISAKATOWERS" 1-8-303/69/3, S.P. ROAD, SECUNDERABAD - 500 003 (T.S.)



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

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

Year -2019-20

Month	Asbestos sheets production (MT)	Qty of Asbestos used in process (MT)
Oct-19	5698.846	406.022
Nov-19	7502.756	536.073
Dec-19	7683.632	548.383
Jan-20	8268.883	593.040
Feb-20	9101.096	668.963
Mar-20	5194.568	390.503
Total	43449.781	3142.984

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:--

03227/285854

Telephone:--

8170064048

Signature of the
authority (seal &
date)

For VISAKA INDUSTRIES LTD.

Biplab Banerjee
(Asst. Works Manager)



Lifeline

DIAGNOSTIC

Ph.: (03222) 265607
Mob : 9434259982
9932218981
e_mail- sanjoypan6@gmail.com

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 :

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

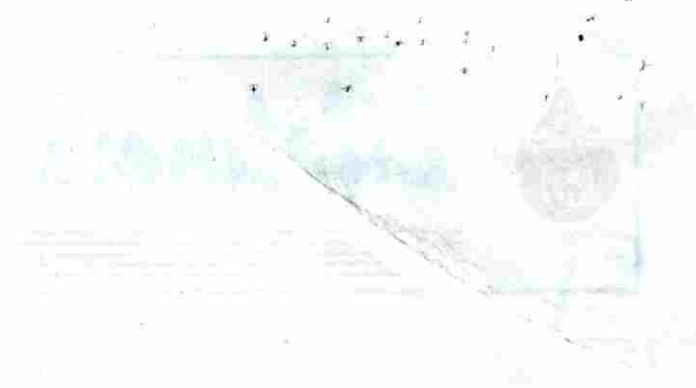
Dr. Bhakta
29/05/20

THE
OFFICE
OF THE
SHERIFF

NO. 1

1900

1900



1900

1900



DR. J. R. BRY
MEDICAL OFFICER
1900

1900

VISAKA INDUSTRIES LIMITED, MIDNAPORE DIVISION

(MEDICAL CHECK UP LIST FOR STAFF - 2019-2020)

S.NO	NAME	EMP.NO	DATE OF BIRTH	DATE OF JOINING	AGE	HT/MS	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	FEV1	PEFR				
										SYS DIS														Pred	PRE	Pred	PRE	Pred	PRE	
1	ANIRBAN BASU	10554	07-06-1967	02-05-2003	52	163	75	Asst. Manager Desp	B(+)	120/84	13.8	6000	58	35	03	04	0	18	132	NF	W.N.L	101/103	3.05	2.28	2.48	1.76	6.44	3.18	(FEVI/FV)	
2	SADHAN GHOSH	10551	15-02-1962	04-04-2003	58	168	82	Jr. Executive Desp	O(+)	130/86	13.1	8200	67	26	03	04	0	26	152	NF	W.N.L	95/98	3.04	2.68	2.43	2.16	6.36	7.07	(FEVI/FV)	
3	SUNANTA DAS	10538	22-05-1972	04-01-2003	48	166	60	Asst. Officer Prod.	B(+)	124/84	13.5	6200	64	29	05	02	0	12	122	NF	W.N.L	89/93	3.31	2.41	2.73	2.08	6.81	5.52	(FEVI/FV)	
4	SOUMEN DAS	10537	11-02-1971	04-01-2003	49	158	67	Jr Chemist	A(+)	240/110	12.8	8100	63	31	01	05	0	15	130	NF	W.N.L	100/102	3.13	3	2.57	2.4	6.57	5.07	(FEVI/FV)	
5	UDOY ROY	10539	29-03-1974	04-01-2003	46	170	70	Officer Q.C	O(+)	116/76	14	6800	56	37	02	05	0	16	170	NF	W.N.L	100/104	3.54	2.89	2.90	2.46	7.06	6.64	(FEVI/FV)	
6	AJIT UPADHYAY	10568	04-11-1969	01-08-2003	50	172	70	Lab Asst.	B(+)	116/76	13.6	6200	66	28	02	04	0	24	122	NF	W.N.L	86/90	2.88	2.87	2.38	2.2	6.29	6.85	(FEVI/FV)	
7	AMITAV PATRA	10564	05-11-1977	01-08-2003	42	170	65	Asst. Officer.	A(+)	114/76	13.5	5800	70	27	01	02	0	12	122	NF	W.N.L	96/100	3.51	2.85	2.9	1.93	7.06	5.41	(FEVI/FV)	
8	SUBRATA SANTRA	10567	09-02-1984	01-08-2003	36	162	48	Asst. Officer.	B(+)	116/76	13.2	6500	66	28	02	04	0	13	118	NF	W.N.L	81/83	3.19	3.07	2.72	2.42	6.81	5.94	(FEVI/FV)	
9	VIVEKANDA SAMANTA	10566	09-06-1977	01-08-2003	42	164	66	Asst. Officer.	AB(+)	118/80	12.6	6200	57	35	03	05	0	18	168	NF	W.N.L	95/96	3.58	2.85	2.95	2.38	7.12	7.1	(FEVI/FV)	
10	SANJOY KUMAR BAJORIA	10706	05-06-1978	01-11-2005	41	170	74	Asst Officer Store	O(+)	116/80	14	6800	72	24	02	04	0	18	93	NF	W.N.L	90/92	3.83	3.16	3.15	2.6	7.4	7.55	(FEVI/FV)	
11	CHANCHAL SARKAR	10709	12-03-1979	01-11-2005	41	172	56	Officer Prurchase	A(+)	116/76	13	6200	58	35	02	05	0	18	101	NF	W.N.L	81/82	3.85	3.05	3.17	2.31	7.44	6.48	(FEVI/FV)	
12	SAMIR KUMAR BISWAS	10726	11-05-1982	01-01-2006	38	165	62	Engineer	A(+)	120/80	13.6	6400	59	34	02	05	0	12	112	NF	W.N.L	84/86	3.47	2.79	2.92	2.33	7.08	3.78	(FEVI/FV)	
13	KOUSHIK GHOSH	10729	10-03-1986	01-01-2006	34	167	49	Jr. Executive.	O(+)	116/76	14.2	6500	64	32	01	03	0	17	112	NF	W.N.L	82/86	3.88	2.54	3.24	1.71	7.55	3.56	(FEVI/FV)	
14	UJJWAL KANTI ROY	10767	17-06-1980	01-05-2006	39	166	59	Sr Lab Asst.	AB(+)	124/80	13	8200	60	34	02	04	0	17	104	NF	W.N.L	89/92	3.66	3.37	3.04	2.67	7.26	3.54	(FEVI/FV)	
15	DIPANKAR MAHANTI	10810	15-01-1978	11-10-2006	42	173	75	Manager	B(+)	118/80	14.2	8200	60	34	02	04	0	12	106	NF	W.N.L	97/100	3.79	2.54	3.1	2.13	7.34	6.66	(FEVI/FV)	
16	BUDDHADEV PRAMANIK	10854	15-10-1980	01-02-2007	39	168	68	Sr. Engineer	A(+)	126/86	13.6	5400	67	26	02	05	0	16	128	NF	W.N.L	95/98	3.64	1.32	3.02	1.15	7.23	1.87	(FEVI/FV)	
17	SIBA PRASAD HATI	10918	12-03-1983	01-09-2007	37	166	78	Asst. Officer.	O(+)	120/80	14	6300	67	26	03	04	0	12	134	NF	W.N.L	100/103	3.47	3.11	2.92	2.59	7.08	6.62	(FEVI/FV)	
18	KUNTAL MAHANKUR	10920	07-10-1983	01-09-2007	36	165	75	Jr. Executive Store	B(+)	118/78	13.8	5800	70	24	01	05	0	24	128	NF	W.N.L	98/101	3.59	2.33	3	1.92	7.2	4.3	(FEVI/FV)	
19	SKSAHAJAN ALI	10961	01-03-1987	01-01-2008	33	170	61	Q.C Checker	O(+)	120/80	13.2	8200	62	32	01	05	0	13	86	NF	W.N.L	89/92	3.70	2.64	3.11	1.94	7.37	5.82	(FEVI/FV)	
20	SHYAMAL KR. MONDAL	11018	02-01-1966	02-06-2008	54	175	74	Asst Manager	B(+)	116/76	13.7	6800	69	24	02	05	0	18	186	NF	W.N.L	84/86	3.58	2.69	2.87	2.24	6.99	7.41	(FEVI/FV)	
21	PADMALOCHAN MAHARANA	11131	04-07-1981	01-10-2008	38	178	72	Accounts	B(+)	116/78	13.2	6400	66	28	02	04	0	18	112	NF	W.N.L	96/98	4.07	2.72	3.36	2.23	7.72	3.61	(FEVI/FV)	
22	SEKHAR PATRA	10543	04-01-1978	12-02-2003	42	159	68	Supervisor	B(+)	120/80	13.2	7200	67	26	02	05	0	14	124	NF	W.N.L	94/97	3.14	2.64	2.63	2.24	6.67	7.35	(FEVI/FV)	
23	SNEHASIS SINHA	10579	14-07-1973	01-10-2003	46	168	58	Supervisor	A(+)	116/76	12.8	8600	58	35	02	05	0	24	112	NF	W.N.L	84/86	3.58	2.69	2.87	2.24	6.99	7.41	(FEVI/FV)	
24	SANTOSH KUMAR DASH	10540	29-05-1982	27-01-2003	38	163	63	Foreman	B(+)	120/80	12.9	5600	68	26	02	04	0	19	98	NF	W.N.L	84/86	3.41	2.85	2.85	2.41	6.98	4.87	(FEVI/FV)	
25	BUDDHADEV HALDAR	10544	03-05-1979	21-02-2003	41	157	58	Foreman	A(+)	126/84	13	6100	58	36	02	04	0	15	120	NF	W.N.L	90/93	3.4	3.73	2.87	2.86	7.02	4.43	(FEVI/FV)	
26	SAGNIK GHOSH	10552	20-09-1978	06-04-2003	41	161	58	Foreman	O(+)	118/80	12.7	5600	70	27	02	05	0	20	106	NF	W.N.L	89/91	3.30	2.78	2.76	2.15	6.85	6.72	(FEVI/FV)	
27	RAJESH BHUNIA	11363	05-04-1981	01-01-2010	39	170	62	Jr. Executive.	A(+)	116/76	13.2	6400	64	32	01	03	0	15	116	NF	W.N.L	88/90	3.43	3.11	2.87	2.54	7.02	8.14	(FEVI/FV)	
28	VASKAR CHAKRABORTY	11364	11-03-1984	01-01-2010	36	170	64	Jr Chemist	A(+)	116/78	12.8	8400	57	36	02	05	0	26	122	NF	W.N.L	88/92	3.4	3.73	2.87	2.86	7.02	4.43	(FEVI/FV)	
29	SUNIL CHANDA	11691	08-01-1984	03-11-2010	36	165	75	Jr. Executive.	O(+)	130/88	13.3	8600	69	24	02	05	0	26	156	NF	W.N.L	86/88	3.36	2.08	2.83	1.8	6.95	5.21	(FEVI/FV)	
30	AVISHEK BHATTACHARYA	11797	23-05-1988	01-02-2011	32	185	86	Engineer	A(+)	120/80	14.6	7200	66	27	02	05	0	20	106	NF	W.N.L	96/98	4.52	3.82	3.74	2.87	8.27	5.87	(FEVI/FV)	
31	JOYDEV GHOSH	11806	13-10-1984	15-02-2011	35	164	66	Sr. Lab Asst.	A(+)	116/76	12.9	6500	68	26	02	04	0	21	109	NF	W.N.L	88/92	3.4	3.56	2.87	2.87	7.02	8.78	(FEVI/FV)	
32	SIBSANKAR ROY	11875	06-02-1987	19-04-2011	33	168	63	Asst Engineer	A(+)	120/76	13.6	5800	58	37	01	04	0	18	116	NF	W.N.L	88/93	3.75	2.67	3.14	2.24	7.4	3.89	(FEVI/FV)	
33	SUMANTA ROY	11914	18-02-1989	17-05-2011	31	175	90	Jr Engineer	A(+)	122/80	13.8	6800	63	30	02	05	0	21	132	NF	W.N.L	97/100	4.2	3.74	3.5	2.46	7.93	3.29	(FEVI/FV)	
34	RAJIB GAYEN	11925	08-06-1983	11-06-2011	36	166	66	Sr Lab Asst.	A(+)	120/84	14.6	5600	58	37	01	04	0	18	98	NF	W.N.L	90/92	3.73	3.1	3.11	2.4	7.36	6.52	(FEVI/FV)	
35	SOUMEN BANERJEE	12094	16-04-1984	19-12-2011	36	169	61	Jr. Executive.	B(+)	118/78	12.9	7400	70	24	01	05	0	22	122	NF	W.N.L	92/94	3.65	2.31	3.07	2.1	7.3	2.83	(FEVI/FV)	
36	DEBASIS DEY	12336	06-11-1983	19-11-2012	36	176	95	Safety Officer	B(+)	150/86	12.8	8200	68	29	01	02	0	19	198	NF	W.N.L	112/114	3.8	3.11	3.15	2.51	7.41	6.46	(FEVI/FV)	
37	SOMNATH AMBOLI	10704	05-06-1984	09-04-2013	35	169	68	Sr. Engineer	B(+)	122/80	14.2	6200	59	34	02	05	0	13	106	NF	W.N.L	93/97	3.73	3.1	3.11	2.4	7.36	6.52	(FEVI/FV)	
38	SURAJIT SARKAR	12620	07-04-1988	16-08-2013	32	166	58	Sr Asst. Despatch	B(+)	118/80	13.8	6800	56	37	02	05	0	08	106	NF	W.N.L	85/86	3.58	2.94	3.03	2.03	7.26	3.01	(FEVI/FV)	
39	KALYAN PAL	12621	07-09-1991	16-08-2013	28	176	80	Jr.Engineer	B(+)	120/80	15	5800	70	27	01	02	0	11	106	NF	W.N.L	116/78	3.64	3.28	3.1	2.84	7.36	6.31	(FEVI/FV)	
40	DINESH KUMAR PAL	12775	02-03-1989	14-04-2014	31	166	63	Sr Assistant	O(+)	116/78	13	6400	59	34	02	05	0	16	128	NF	W.N.L	118/80	3.49	1.95	2.96	1.31	7.16	3.52	(FEVI/FV)	
41	ANIKET SAHOO	12903	13-04-1991	01-01-2015	29	169	61	Junior Engineer	A(+)	120/80	13.5	6300	60	35	02	03	0	18	112	NF	W.N.L	88/90	3.64	3.28	3.1	2.84	7.36	6.31	(FEVI/FV)	
42	SATYANATH PANDA	12939	27-05-1978	21-03-2015	42	169	62	Asst Manager	AB(+)	124/84	13	6700	66	27	02	05	0	22	119	NF	W.N.L	88/92	3.28	2.47	2.73	1.92	6.81	6.82	(FEVI/FV)	
43	BUDDHADEV BHUNIA	12996	01-04-1988	09-09-2015	32	165	59	Sheet Checker	B+	118/78	13.2	5600	67	26	03	04	0	14	102	NF	W.N.L	86/88	3.49	2.09	2.96	1.72	7.16	3.4	(FEVI/FV)	
44	KOUSHIK PATRA	13116	10-05-1991	25-07-2016	29	164	56	Sheet Checker	B+	116/76	13	7200	66	27	02	05	0	22	98	NF	W.N.L	80/83	3.13	2.04	2.57	1.42	6.57	4.62	(FEVI/FV)	
45	RAJ KUMAR DAS	13252	05-04-1989	20-02-2017	31	171	65	Asst Accounts	AB(+)	120/80	15.6	5200	69	24	02	05	0	06	124	NF	W.N.L	88/92	4.03	3.47	3.4	2.93	7.79	7.84	(FEVI/FV)	
46	RIPLAB BANERJEE	13305	02-12-196																											

VISAKA INDUSTRIES LIMITED, MIDANPORE DIVISION

(MEDICAL CHECK UP LIST OF CONTRACTOR WORKERS - 2019-2020)

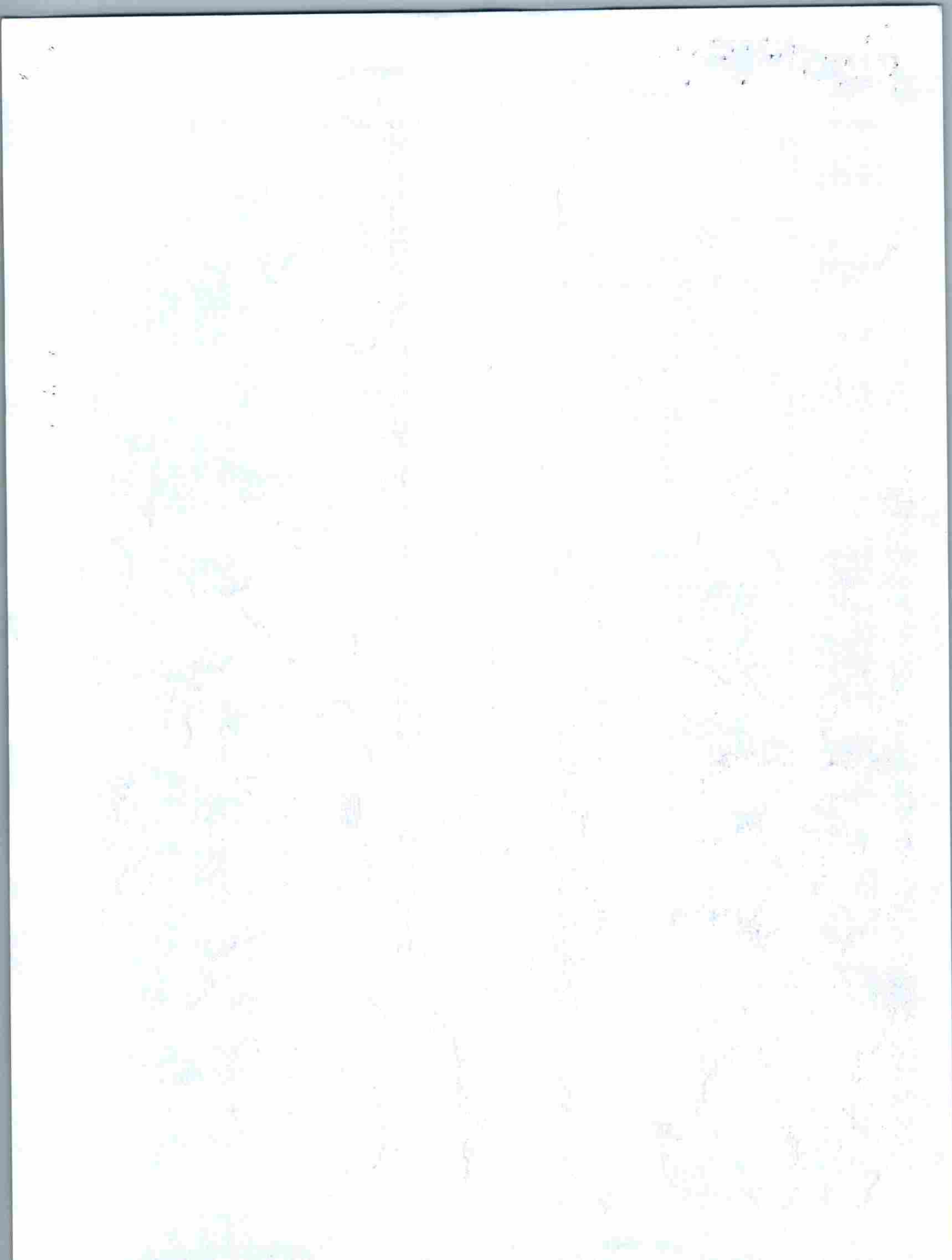
NO	NAME	CODE	DATE OF BIRTH	DATE OF JOINING	AGE	HEIGHT	WEIGHT	DESIGNATION	BLOOD GROUP	BLOOD PRESSURE	HB in gm%	WBC	N	L	M	E	B	ESR	RBS	Sputu	VISION	X-RAY	CHEST	FVC	FEV1	PEFR			
						CMS	KGS			SYS	DIS						mm/hr	mATB				EX(cms)	Pred	PRE	Pred	PRE	Pred	PRE	
1	Ajit Mahata	SKM-1	14-May-1981	22-Jun-2009	39	167	61	Contractor Worker	B+	116	74	127	8400	66	26	02	06	24	89	NF		W.N.L	83/88	3.43	3.32	2.87	2.77	7.02	8.06
2	Anand Mahata	SKM-2	1-Jan-1980	1-Apr-2006	40	160	55	Contractor Worker	A+	118	80	12	7600	72	20	02	06	18	119	NF		W.N.L	88/91	3.17	2.55	2.62	2.15	6.64	6.58
3	Barun Kumar Mahata	SKM-3	16-Dec-1974	1-Jun-2009	45	169	49	Contractor Worker	A+	124	82	131	6400	68	23	02	07	13	136	NF		W.N.L	81/83	3.30	1.72	2.76	1.66	6.85	5.91
4	Budheswar Mahata	SKM-4	15-Jul-1979	1-Feb-2004	40	164	45	Contractor Worker	B+	118	80	118	6600	69	23	02	06	15	118	NF		W.N.L	78/81	3.32	3.47	2.70	2.35	6.75	5.95
5	Dhananjay Ghosh	SKM-5	1-Jan-1983	1-Apr-2008	37	179	55	Contractor Worker	B+	120	80	129	8200	71	20	03	06	26	120	NF		W.N.L	83/86	3.51	3.16	2.90	2.02	7.06	3.06
6	Dipak Mahata	SKM-6	15-Jul-1979	1-Feb-2004	40	165	56	Contractor Worker	A+	118	82	126	8500	56	37	02	05	10	107	NF		W.N.L	81/83	3.33	3.58	2.84	2.03	6.98	2.63
7	Gobinda Mahata	SKM-7	15-Jul-1976	1-Jun-2009	43	176	52	Contractor Worker	O+	120	80	119	7300	69	23	02	06	14	125	NF		W.N.L	80/84	3.50	2.37	2.94	1.98	7.12	4.68
8	Gopal Mahata	SKM-8	3-Jul-1976	5-Jan-2007	43	167	55	Contractor Worker	O+	124	80	13	6900	63	23	02	06	19	103	NF		W.N.L	81/86	3.81	4.19	3.12	3.36	7.37	7.25
9	Jageswar Mahata	SKM-9	1-Jul-1978	1-Apr-2006	41	167	48	Contractor Worker	A+	126	85	124	8100	73	20	02	05	19	103	NF		W.N.L	81/83	3.47	3.76	2.86	3.02	6.99	6.10
10	Jaladhar Mahata	SKM-10	15-Jul-1987	21-Jul-2009	32	178	64	Contractor Worker	A+	124	80	136	5800	68	24	02	16	20	98	NF		W.N.L	88/93	2.76	3.40	2.38	2.80	6.31	7.41
11	Joydip Roy	SKM-11	12-Mar-1976	5-Jun-2009	44	165	58	Contractor Worker	B+	124	80	128	6700	56	37	02	05	21	112	NF		W.N.L	83/88	3.19	2.50	2.72	2.04	6.81	4.95
12	Kadan Murmu	SKM-12	15-Jul-1978	1-Nov-2003	41	162	54	Contractor Worker	B+	124	90	13	6000	73	20	02	05	11	124	NF		W.N.L	88/91	3.33	2.64	2.76	2.11	6.84	4.09
13	Mantu Charan Mahata	SKM-13	15-Jul-1971	1-Nov-2003	48	154	45	Contractor Worker	B+	126	84	128	6200	71	22	02	05	09	122	NF		W.N.L	81/83	3.32	3.03	2.7	2.45	6.75	4.3
14	Nandu Dola	SKM-14	1-Jun-1984	1-Apr-2008	35	165	60	Contractor Worker	B+	120	80	126	8300	69	24	02	05	13	136	NF		W.N.L	78/81	2.76	2.93	2.38	2.34	6.31	6.69
15	Nirmal Chandra Singh	SKM-15	7-Jun-1975	1-Jun-2009	44	163	53	Contractor Worker	O+	116	78	118	7200	72	20	02	06	13	136	NF		W.N.L	83/86	3.35	3.16	2.78	2.51	6.88	6.97
16	Dilip Mahata	SKM-16	28-Oct-1974	2-Jan-2012	45	153	46	Contractor Worker	A+	112	76	113	7200	68	24	02	06	13	103	NF		W.N.L	82/84	3.32	3.03	2.7	2.45	6.75	4.3
17	Palash Singh	SKM-17	15-Jul-1983	1-Apr-2005	36	158	44	Contractor Worker	O+	118	80	116	6300	67	26	02	05	16	102	NF		W.N.L	88/91	2.88	2.79	2.47	2.32	6.45	4.95
18	Prashanta Singh	SKM-18	2-Apr-1986	6-Jun-2009	34	159	55	Contractor Worker	B+	126	82	125	5800	69	23	02	06	18	106	NF		W.N.L	78/81	3.34	2.21	2.80	1.84	6.92	2.65
19	Ranjit Singh	SKM-19	15-Jul-1977	1-Nov-2003	42	158	46	Contractor Worker	A+	122	80	13	6200	68	24	02	06	19	98	NF		W.N.L	83/86	3.41	2.49	2.85	2.20	6.98	7.96
20	Sant Mahata	SKM-20	1-Jan-1986	10-Jan-2007	34	158	52	Contractor Worker	A+	110	76	133	7400	69	23	02	06	13	112	NF		W.N.L	71/76	3.54	3.65	2.99	2.76	7.19	6.69
21	Santanu Dola	SKM-21	1-Jun-1988	1-Apr-2008	31	164	54	Contractor Worker	B+	118	80	13	8300	73	20	02	05	12	100	NF		W.N.L	78/82	3.02	3.40	2.63	2.75	6.69	7.71
22	Sanyal Mahata	SKM-22	1-Jan-1984	2-Jan-2012	36	171	54	Contractor Worker	O+	120	80	129	6700	63	30	02	05	18	113	NF		W.N.L	88/91	3.33	3.58	2.84	2.03	6.98	2.63
23	Satish Mahata	SKM-23	15-Jul-1974	1-Nov-2003	45	161	59	Contractor Worker	B+	120	80	12	7600	57	35	02	06	16	102	NF		W.N.L	86/91	2.90	2.84	2.40	2.07	6.33	6.08
24	Shakti Padma Manu	SKM-24	1-Jan-1973	1-Jun-2009	47	172	75	Contractor Worker	O+	116	78	118	6500	62	30	02	06	09	98	NF		W.N.L	80/83	3.29	3.14	2.71	2.64	6.78	8.16
25	Shibaji Sautra	SKM-25	1-Jan-1977	2-Jan-2004	43	168	60	Contractor Worker	B+	114	76	126	5900	64	29	02	05	15	117	NF		W.N.L	88/91	3.49	3.12	2.88	2.41	7.03	5.95
26	Sibhas Mahata	SKM-26	15-Jul-1979	1-Feb-2007	40	160	49	Contractor Worker	A+	126	80	13	7200	60	33	02	05	18	121	NF		W.N.L	78/83	3.15	2.15	2.68	1.72	6.74	5.92
27	Suit Singh	SKM-27	1-Jul-1994	1-Apr-2006	35	161	50	Contractor Worker	O+	112	70	126	8300	73	20	02	05	13	91	NF		W.N.L	81/83	3.44	3.03	2.92	2.29	7.09	3.74
28	Susanta Mandal	SKM-28	6-Mar-1991	17-Jun-2009	29	161	52	Contractor Worker	O+	116	76	132	6400	68	24	02	06	21	115	NF		W.N.L	82/86	2.99	2.41	2.47	1.81	6.43	3.44
29	Tapan Ghosh	SKM-30	21-Nov-1971	1-Jun-2009	48	160	56	Contractor Worker	O+	118	80	127	6100	71	20	03	06	19	103	NF		W.N.L	75/79	3.15	2.15	2.68	1.72	6.74	5.92
30	Tapan Mahata (1)	SKM-31	15-Jul-1976	1-Apr-2005	43	158	53	Contractor Worker	O+	124	80	129	5800	67	26	02	05	08	121	NF		W.N.L	78/80	3.35	3.04	2.78	2.46	6.88	8.24
31	Tapan Kc Mahata (2)	SKM-32	15-Jul-1982	1-Apr-2005	37	158	47	Contractor Worker	O+	118	84	131	8400	57	35	03	05	13	117	NF		W.N.L	84/86	3.58	3.46	3.03	2.92	7.26	5.41
32	Ujjal Singh	SKM-33	15-Jul-1985	1-Jun-2003	34	166	56	Contractor Worker	A+	116	78	13	8300	51	42	03	04	19	106	NF		W.N.L	79/82	3.45	3.29	2.89	2.62	7.05	5.19
33	Umesh Mahata	SKM-34	15-Jul-1981	1-Apr-2005	38	168	59	Contractor Worker	B+	120	80	123	7200	59	33	02	06	20	110	NF		W.N.L	88/91	3.44	3.03	2.92	2.29	7.09	3.74
34	Mantu Mahata	SKM-35	10-Jan-1982	2-Aug-2016	38	165	68	Contractor Worker	B+	119	78	126	6700	58	34	02	06	17	107	NF		W.N.L	88/91	3.44	3.03	2.92	2.29	7.09	3.74
35	Anand Chola	SKM-36	11-Jan-1993	1-Jun-2019	26	167	50	Contractor Worker	B+	122	80	136	6400	68	24	02	06	21	82	NF		W.N.L	77/78	3.28	2.76	2.88	2.35	7.04	5.27
36	Kamal Lohar	SKM-37	16-Sep-1981	1-Dec-2018	38	160	52	Contractor Worker	A+	120	80	131	6500	73	20	01	06	18	87	NF		W.N.L	81/83	3.22	2.35	2.72	1.93	6.80	6.00
37	Anil Mahata	SKM-37	7-Aug-1987	8-Feb-2007	32	153	45	Contractor Worker	O+	118	76	12	6500	56	28	02	04	18	87	NF		W.N.L	77/78	3.08	2.67	2.64	2.67	6.70	8.76
38	Barun Roy	SKM-38	1-Jan-1980	2-Mar-2006	40	167	55	Contractor Worker	O+	110	74	132	7400	64	29	02	05	20	106	NF		W.N.L	81/83	3.45	3.17	2.89	2.64	7.05	9.21
39	Bhakti Dola	SKM-39	15-Jul-1974	1-Jun-2005	45	152	42	Contractor Worker	A	116	78	128	88																

53	Kartik Mandl	BM-17	25-Jan-1990	2-Jun-2009	30	152	44	Contractor Worker	A+	121	80	13.8	6200	67	26	02	05	13	89	NF		W.N.L.	97/100	3.74	3.56	3.16	3.18	7.44	6.35	(FEV)	
54	Kashinath Mahata	BM-18	1-Jul-1975	10-Apr-2006	44	168	73	Contractor Worker	O+	120	80	12.8	7100	73	20	01	06	24	116	NF		W.N.L.	82/84	2.74	2.20	2.27	1.85	6.15	4.62	(FEV)	
55	Khagen Mahata	BM-19	15-Jul-1987	2-May-2005	32	159	56	Contractor Worker	B+	110	80	13	7300	67	27	01	05	21	112	NF		W.N.L.	84/86	3.39	2.85	2.82	2.32	6.95	6.95	(FEV)	
56	Madhu Mahata	BM-20	1-Jan-1979	1-Mar-2006	41	165	60	Contractor Worker	B+	130	85	12.7	8100	56	28	02	04	17	109	NF		W.N.L.	82/86	3.53	2.69	2.93	2.13	7.09	4.50	(FEV)	
57	Mithun Mahata	BM-21	1-Jan-1980	2-Mar-2006	40	161	48	Contractor Worker	A+	114	76	13.6	8600	60	33	02	05	21	118	NF		W.N.L.	82/84	3.40	2.62	2.87	1.96	7.02	6.17	(FEV)	
58	Mantu Hemiram	BM-22	1-Jan-1985	8-Jun-2009	35	166	49	Contractor Worker	B+	124	82	14.2	6700	64	29	02	05	20	92	NF		W.N.L.	83/87	3.15	3.37	2.68	2.72	7.24	4.50	(FEV)	
59	Mortu Roy	BM-23	2-Apr-1989	1-Feb-2009	31	163	50	Contractor Worker	AB+	116	78	12	7600	73	20	01	06	13	113	NF		W.N.L.	80/82	3.55	3.32	3.03	2.68	7.26	5.71	(FEV)	
60	Murari Mahata	BM-24	1-Jan-1985	1-Sep-2011	35	153	46	Contractor Worker	B+	114	78	12.9	8000	60	33	02	05	12	110	NF		W.N.L.	78/80	3.07	3.05	2.58	2.44	6.60	6.06	(FEV)	
61	Nanda Dulai	BM-25	15-Jul-1970	2-Jun-2007	49	162	55	Contractor Worker	O+	122	80	12.6	7500	72	21	02	05	24	126	NF		W.N.L.	87/89	3.13	3.33	2.65	2.15	6.71	5.36	(FEV)	
62	Nirmal Duley	BM-26	9-Feb-1983	1-Feb-2007	37	163	54	Contractor Worker	AB+	106	74	12.8	7200	60	36	01	03	24	87	NF		W.N.L.	80/83	3.63	3.02	3.04	2.52	7.27	5.79	(FEV)	
63	Pasupat Mahata (1)	BM-27	1-Jan-1981	1-Jun-2009	39	160	60	Contractor Worker	A+	110	78	12.3	8400	67	26	03	04	21	98	NF		W.N.L.	89/92	3.34	2.36	2.72	1.69	6.78	3.85	(FEV)	
64	Pintu Roy	BM-28	1-Apr-1991	1-Sep-2011	29	163	42	Contractor Worker	B+	120	80	13	6200	68	29	01	02	15	86	NF		W.N.L.	82/86	3.66	3.68	3.38	3.13	2.77	7.39	4.91	(FEV)
65	Prasanta Duley	BM-29	15-Jul-1983	1-Jun-2009	36	167	50	Contractor Worker	AB+	124	82	13.2	7300	69	24	02	05	13	102	NF		W.N.L.	90/92	3.17	2.25	2.70	1.93	6.78	4.75	(FEV)	
66	Rakhal Mahata	BM-30	1-Jul-1981	1-Jun-2004	38	155	43	Contractor Worker	O+	120	80	12.8	6500	70	27	01	02	18	118	NF		W.N.L.	79/84	3.13	3.33	2.65	2.15	6.71	5.36	(FEV)	
67	Sanjoy Bhundari	BM-31	1-Jan-1985	1-Sep-2011	35	159	51	Contractor Worker	A+	116	78	12.6	6800	69	24	02	05	16	102	NF		W.N.L.	79/84	3.13	3.33	2.65	2.15	6.71	5.36	(FEV)	
68	Subash Mahata	BM-32	1-Jan-1979	1-Jun-2009	41	160	54	Contractor Worker	O+	114	76	12.3	8400	65	28	01	06	22	276	NF		W.N.L.	86/90	2.89	3.20	2.43	2.57	6.39	8.10	(FEV)	
69	Sunil Kumar Mandi	BM-33	15-Jan-1985	1-Feb-2009	35	158	66	Contractor Worker	B+	126	80	14.5	7100	66	27	02	05	14	106	NF		W.N.L.	94/98	3.19	3.07	2.72	2.71	6.81	5.24	(FEV)	
70	Sunil Singh	BM-34	15-Jul-1979	9-Jun-2009	40	160	62	Contractor Worker	B+	112	70	13	7600	67	26	02	05	18	134	NF		W.N.L.	86/88	3.32	2.64	2.78	2.27	6.88	8.6	(FEV)	
71	Susanta Duley	BM-35	15-Apr-1989	9-Jun-2009	31	163	43	Contractor Worker	A+	110	76	12.6	6700	60	35	02	03	22	98	NF		W.N.L.	82/84	3.25	2.68	2.66	2.02	6.71	6.98	(FEV)	
72	Swapan Ghosh	BM-36	1-Jan-1976	17-Jul-2009	44	165	51	Contractor Worker	A+	114	76	12.8	7600	58	36	02	04	20	126	NF		W.N.L.	80/83	3.12	3.22	2.61	2.36	6.63	3.65	(FEV)	
73	Swapan Mahata (1)	BM-37	1-Jan-1974	3-Mar-2006	46	160	65	Contractor Worker	O+	118	78	10.8	8200	55	39	02	04	17	217	NF		W.N.L.	90/92	2.9	1.91	2.4	1.55	6.33	6.16	(FEV)	
74	Swapan Mahata (5)	BM-38	1-Jan-1982	10-Nov-2009	38	168	69	Contractor Worker	B+	112	76	12.9	8000	55	39	02	04	20	126	NF		W.N.L.	75/78	2.95	2.79	2.5	2.28	6.49	4.7	(FEV)	
75	Tapan Mahata	BM-39	15-Jul-1975	2-May-2005	44	169	54	Contractor Worker	O+	114	76	11.8	7400	66	27	02	05	18	120	NF		W.N.L.	80/82	3.34	2.63	2.72	1.71	6.78	3.38	(FEV)	
76	Tapan Mahata	BM-40	15-Jul-1984	1-Jun-2004	35	150	55	Contractor Worker	B+	116	80	11.6	6900	60	34	02	04	20	118	NF		W.N.L.	82/84	3.01	2.59	2.57	2.02	6.59	5.83	(FEV)	
77	Ashish Mahata	BM-41	29-Dec-1980	7-Aug-2016	39	165	56	Contractor Worker	B+	124	82	12.6	8300	62	31	02	05	14	109	NF		W.N.L.	80/83	2.95	2.79	2.5	2.28	6.49	4.7	(FEV)	
78	Ganga Roy	BM-42	8-Jan-1975	1-Aug-2016	45	162	55	Contractor Worker	B+	120	80	12	8200	58	35	02	05	15	100	NF		W.N.L.	82/84	3.45	2.93	2.89	2.37	7.05	5.63	(FEV)	
79	Iten Mahata	BM-43	23-Apr-1987	1-Aug-2016	33	154	43	Contractor Worker	AB+	124	82	12.8	6100	66	28	02	04	26	102	NF		W.N.L.	82/84	4.19	3.45	3.46	2.77	7.86	6.37	(FEV)	
80	Nirmal Ghosh	BM-44	12-Aug-1976	7-Aug-2016	43	165	58	Contractor Worker	AB+	120	80	13.1	8900	66	27	02	05	17	116	NF		W.N.L.	82/84	2.85	1.93	2.45	1.40	6.41	2.61	(FEV)	
81	Phatik Mahata	BM-45	15-Jul-1972	1-Aug-2016	47	163	54	Contractor Worker	A+	120	80	12.3	6400	67	26	02	05	19	110	NF		W.N.L.	80/82	2.67	3.01	2.24	2.77	6.10	6.32	(FEV)	
82	Pranpat Mahata	BM-46	17-Mar-1963	1-Aug-2016	57	153	45	Contractor Worker	O+	116	78	12	7800	60	35	02	03	21	124	NF		W.N.L.	89/92	3.36	3.19	2.83	2.67	6.95	6.39	(FEV)	
83	Samar Doul	BM-47	1-Jan-1980	1-Aug-2016	40	158	46	Contractor Worker	B+	114	76	13.2	8500	58	36	02	04	26	111	NF		W.N.L.	80/82	3.45	3.12	2.89	2.76	7.05	7.01	(FEV)	
84	Shakti Mahata	BM-48	13-Feb-1968	12-Aug-2016	52	159	50	Contractor Worker	O+	126	80	13.4	8300	55	39	02	04	17	130	NF		W.N.L.	87/89	2.90	2.19	2.40	1.63	6.33	5.41	(FEV)	
85	Suvarnar Singha	BM-49	16-Jun-1991	1-Aug-2016	28	158	46	Contractor Worker	A+	114	76	14	6500	58	35	03	04	13	89	NF		W.N.L.	80/83	3.36	3.19	2.83	2.67	6.95	6.39	(FEV)	
86	Blairam Mahata	BM-50	1-Jan-1971	1-Dec-2018	49	158	46	Contractor Worker	A+	124	82	12.9	7700	66	27	02	05	18	128	NF		W.N.L.	78/80	3.13	3.33	2.65	2.15	6.71	5.36	(FEV)	
87	Aojan Ghobay	HM-1	7-Dec-1988	1-Sep-2010	31	181	90	Contractor Worker	B+	120	82	13	8400	52	40	02	06	0	12	124	NF	W.N.L.	109/111	4.18	3.95	3.48	3.41	7.90	6.16	(FEV)	
88	Arun Mahata	HM-2	1-Jan-1981	6-Jun-2009	39	163	52	Contractor Worker	AB+	120	80	12.8	8200	68	24	02	06	0	24	89	NF	W.N.L.	81/83	3.59	3.64	3	2.7	7.2	3.6	(FEV)	
89	Ashis Mondal	HM-3	15-Jul-1984	1-Nov-2004	36	154	52	Contractor Worker	O+	116	72	12.5	6700	69	24	02	05	0	18	106	NF	W.N.L.	86/88	3.06	3.07	2.62	2.5	6.66	7.75	(FEV)	
90	Bapi Biswas	HM-4	25-May-1990	1-Jun-2009	30	160	58	Contractor Worker	B+	122	84	12.7	7600	67	27	02	04	0	17	113	NF	W.N.L.	83/82	3.28	2.56	2.56	2.07	6.68	5.9	(FEV)	
91	Bulu Dolal	HM-5	29-Apr-1982	10-Jul-2009	38	170	54	Contractor Worker	A+	126	82	12.3	5800	55	37	03	05	0	13	124	NF	W.N.L.	83/85	3.3	2.65	2.84	1.89	6.98	4.70	(FEV)	
92	Debas Biswas	HM-6	2-Apr-1991	1-Jun-2009	29	162	50	Contractor Worker	O+	121	80	12.6	8500	67	26	02	06	0	25	110	NF	W.N.L.	75/78	3.56	3.46	3.01	2.59	7.22	6.29	(FEV)	
93	Dilip Mahata	HM-7	15-Jul-1982	1-Nov-2004	38	170	65	Contractor Worker	A+	120	80	11.8	5700	68	24	02	06	0	12	106	NF	W.N.L.	84/86	3.47	3.8	2.94	3.04	7.12	6.3	(FEV)	
94	Ganesh Biswas	HM-8	15-Jul-1982	1-Nov-2004	38	160	58	Contractor Worker	B+	116	78	12.9	6300	69	24	02	05	0	18	106	NF	W.N.L.	90/92	3.36	2.73	2.83	2.34	6.95	5.67	(FEV)	
95	Gurudas Mondal	HM-9	10-Mar-1984	1-May-2003	36	162	55	Contractor Worker	B+	114	72	13	5900	73	20	02	05	0	15	120	NF	NORMAL	W.N.L.	84/86	3.17	2.93	2.7	2.27	6.78	6.19	(FEV)
96	Joydeb Mahata	HM-11	15-Jul-1978	1-Nov-2004	42	172	69	Contractor Worker	B+	130	86	11.8	7200	68	24	02	06	0	17	113	NF	W.N.L.	82/86	3.31	2.9	2.82	2.28	6.94	6.68	(FEV)	
97	Kishore Adhikary	HM-12	8-May-1986	5-Mar-2006	34	173	75	Contractor Worker	B+	114	76	13	6200	64	29	02	05	0	13	88	NF	W.N.L.	94/97	3.56	3.46	3.01	2.59	7.22	6.29	(FEV)	
98	Laxmikanta Mahata	HM-13	1-Apr-1986	5-Apr-2006	34	163	62	Contractor Worker	A+	120	80	11.8	5800	59	32	03	06	0	18	98	NF	W.N.L.	85/88	3.24	2.7	2.77	2.29	6.88	6.79	(FEV)	
99	Laxminarayan Mahata	HM-14	8-Mar-1985	2-Mar-2006	35	170	54	Contractor Worker	AB+	116	78	13.2	6200	56	38	02	04	0	21	121	NF	W.N.L.	84/86	3.73	2.76	3.11	2.25	7.36	4.62	(FEV)	
100	Makhan Mandal	HM-15	15-Jul-1968	1-Jun-2009	52	163	64	Contractor Worker	O+	120	80	11.8	8200	64	29	02	05	0	24	136	NF	W.N.L.	81/83	3.16	2.28	2.57	1.72	6.57	3.33	(FEV)	
101	Mithun Chakraborty	HM-16	14-Mar-1987	1-Mar-2006	33	161	50	Contractor Worker	A+	128	94	13	5400	63	29	02	06	0	20	108	NF	W.N.L.	88/91	3.1	3						

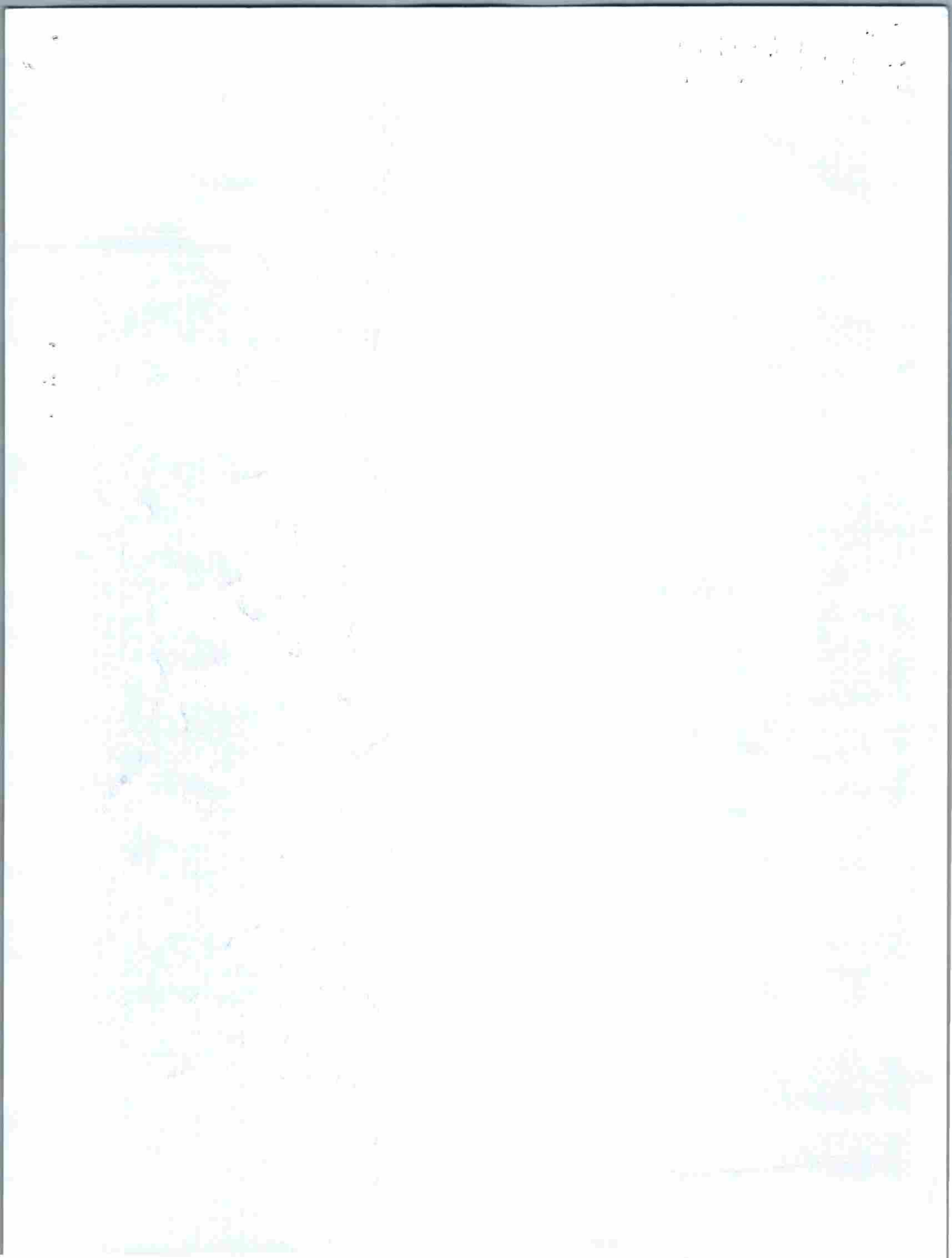
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(MEDICAL CHECK UP LIST FOR WORKERS- 2019-2020)

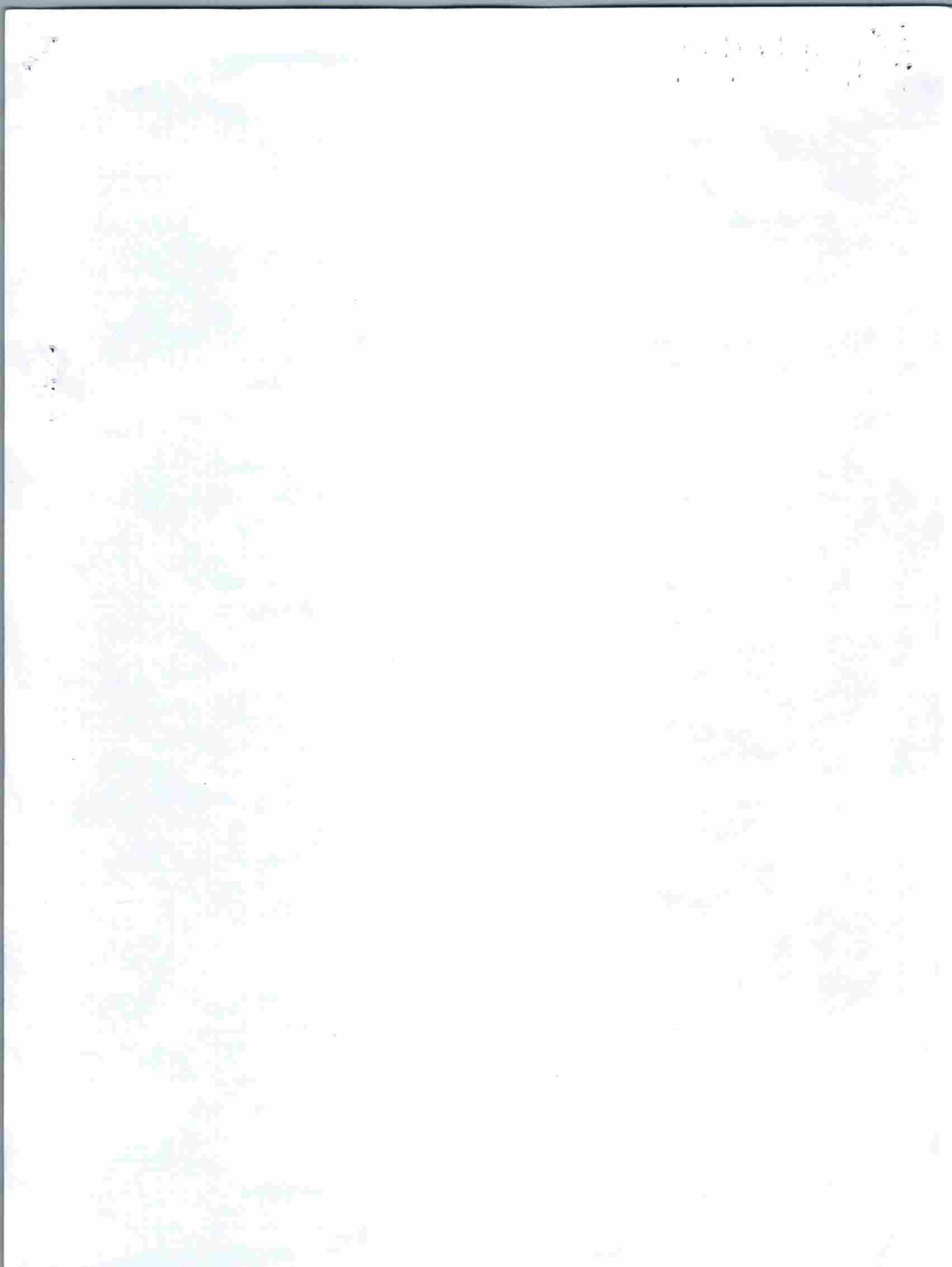
Sl	NAME	EMP NO	DATE OF BIRTH	DATE OF JOINING	AGE	HT/MS	WT/KGS	DESIG.	BLOOD GROUP	BLOOD PRESSURE SYS/DIS	HB gm/dl	WBC	N	L	M	E	B	ESR mm/hr	RBS	Sputum AFB	VISION	X-RAY	CHEST EXP (cms)	Pred	PRE	Pred	PRE	PEPR	Pred	PRE
1	JAGABANDHU MAHATA	10542	25-12-1977	05-02-2003	42	168	65	Ope/Tech.	0+	120 80	13.2	6500	70	24	02	04		19	93	NF		W.N.L	87/91	3.51	2.18	2.90	1.67	7.06	6.24	(FEV)
2	SUDIP MONDAL	10545	27-01-1982	25-03-2003	38	165	52	Ope/Tech.	0+	116 76	12.9	5600	70	23	02	05		16	86	NF		W.N.L	84/86	3.40	2.59	2.87	2.10	7.02	6.88	(FEV)
3	P. SASIBHUSAN RAO	10549	01-01-1978	01-04-2003	42	153	50	Ope/Tech.	0+	114 72	12.6	5900	58	35	02	05		21	254	NF	NORMAL	W.N.L	88/90	2.72	2.18	2.33	1.71	6.24	8.24	(FEV)
4	GOUTAM MAHATA	10550	01-01-1980	03-04-2003	40	166	64	Ope/Tech.	0+	118 80	13.2	7200	68	29	01	02		18	119	NF		W.N.L	92/98	3.41	3.67	2.85	2.63	6.98	8.78	(FEV)
5	ARUP RAJAK	10555	19-02-1981	01-08-2003	39	174	75	Ope/Tech.	0+	126 82	13	8100	67	26	03	04		21	170	NF		W.N.L	91/94	3.89	3.50	3.22	2.82	7.51	8.10	(FEV)
6	MANOJ MAHATA	10563	10-10-1980	01-08-2003	39	168	60	Ope/Tech.	0+	116 76	13.8	7200	60	34	02	04		14	124	NF		W.N.L	86/91	3.35	3.65	2.95	3.07	7.13	7.07	(FEV)
7	MANAS BISAL	10562	10-02-1980	01-08-2003	40	175	55	Ope/Tech.	0+	118 80	12.8	6400	65	27	02	06		18	105	NF		W.N.L	83/88	3.76	4.42	3.10	3.46	7.34	8.93	(FEV)
8	SANJIB DUTTA	10572	27-11-1976	01-09-2003	43	164	56	Ope/Tech.	0+	124 80	12.8	5800	69	24	02	05		12	136	NF		W.N.L	82/86	3.28	2.42	2.73	1.85	6.81	7.06	(FEV)
9	SASADIP MAHATA	10574	02-03-1967	01-09-2003	53	173	60	Ope/Tech.	0+	116 76	13	6400	70	27	02	05		19	128	NF	NORMAL	W.N.L	91/92	3.17	2.43	2.70	2.06	6.78	3.25	(FEV)
10	GOUTAM HALDAR	10577	02-05-1984	01-10-2003	36	159	54	Ope/Tech.	0+	118 80	12.8	7200	66	27	02	05		13	126	NF		W.N.L	86/92	3.25	2.76	2.66	2.28	6.71	5.27	(FEV)
11	HARIDAS MANDAL	10578	25-12-1981	01-10-2003	38	164	72	Ope/Tech.	0+	126 80	13.6	8400	59	34	02	05		16	122	NF	NORMAL	W.N.L	90/92	3.34	2.21	2.80	1.84	6.92	2.65	(FEV)
12	BHANU PANDEY	10580	29-10-1979	01-11-2003	40	166	66	Ope/Tech.	0+	124 82	13.4	6200	58	35	02	05		10	98	NF		W.N.L	96/99	3.41	2.49	2.85	2.20	6.98	7.96	(FEV)
13	RAMSESH BAIRAGI	10599	02-03-1982	01-06-2004	38	155	59	Ope/Tech.	0+	120 80	14.6	6300	70	23	02	05		12	113	NF	NORMAL	W.N.L	89/91	3.11	2.72	2.63	2.24	6.67	6.37	(FEV)
14	BINOD KR. HAZIRA	10665	19-01-1982	01-06-2005	38	159	56	Ope/Tech.	0+	116 80	13	5800	65	28	01	06		21	106	NF		W.N.L	86/88	3.78	3.11	3.12	2.54	7.37	8.18	(FEV)
15	DEBASIS MANDI	10688	24-01-1980	01-09-2005	40	171	57	Ope/Tech.	0+	118 76	14	6300	55	39	02	04		17	118	NF		W.N.L	86/88	3.78	3.11	3.12	2.54	7.37	8.18	(FEV)
16	ASHOK KR. SHAW	10692	26-06-1987	01-09-2005	32	180	84	Ope/Tech.	0+	120 80	15.2	5200	60	35	02	03		12	124	NF		W.N.L	96/98	3.56	3.17	3.01	2.65	7.22	8.14	(FEV)
17	SANDIP MAHATA	10697	15-01-1982	01-09-2005	38	157	84	Ope/Tech.	0+	116 76	12.8	6400	67	26	02	05		18	86	NF		W.N.L	82/96	3.11	2.72	2.63	2.24	6.67	6.37	(FEV)
18	SUSANTA GHOSH	10684	09-03-1982	01-09-2005	38	153	47	Ope/Tech.	0+	120 80	12.8	5600	66	27	02	05		24	110	NF		W.N.L	83/85	2.76	2.06	2.38	1.72	6.31	5.63	(FEV)
19	CH. SATISH KUMAR	10783	15-02-1981	01-07-2006	39	167	75	Ope/Tech.	0+	124 82	13	8400	68	29	01	02		16	126	NF		W.N.L	86/88	3.39	3.20	2.82	2.76	6.95	8.81	(FEV)
20	JAY RAM DEISINGHA	10813	06-04-1984	01-11-2006	36	170	50	Ope/Tech.	0+	120 80	12.7	6500	67	26	03	04		15	114	NF		W.N.L	81/83	3.35	3.30	2.95	2.05	7.13	7.41	(FEV)
21	ISHIKANTA GHAKAMI	10850	18-05-1985	01-01-2007	35	155	47	Ope/Tech.	0+	124 76	12.8	5800	58	36	02	04		19	118	NF		W.N.L	93/95	2.98	2.49	2.59	2.07	6.62	5.62	(FEV)
22	ISHU ROYTH	10876	26-03-1981	01-05-2007	39	156	62	Ope/Tech.	0+	120 80	13	8400	68	29	01	02		14	112	NF		W.N.L	78/82	3.73	3.89	3.11	3.12	7.36	6.30	(FEV)
23	BHIOY DAS	10921	01-08-1985	01-09-2007	41	169	57	Ope/Tech.	0+	124 80	13.8	5400	68	29	01	02		18	120	NF		W.N.L	85/87	3.60	3.19	2.97	2.82	7.16	7.90	(FEV)
24	SINUL MAHATA	10922	29-06-1978	01-09-2007	44	168	63	Ope/Tech.	0+	116 76	12.9	6900	70	27	01	05		16	120	NF		W.N.L	91/93	3.43	3.15	2.87	2.52	7.02	5.01	(FEV)
25	PRAYARANIAN GHITA	11023	27-03-1981	01-03-2008	39	168	59	Ope/Tech.	0+	116 76	13.9	6700	70	27	01	02		13	128	NF		W.N.L	93/96	3.55	3.30	2.95	2.65	7.13	7.41	(FEV)
26	DILIP KR. GOUDA	11085	01-11-1980	01-07-2008	39	163	66	Ope/Tech.	0+	122 82	13	7600	69	24	02	05		18	106	NF		W.N.L	86/92	3.37	2.75	2.88	2.45	7.05	5.50	(FEV)
27	SOURMER PAL	11322	21-10-1982	01-10-2009	37	171	55	Ope/Tech.	0+	116 76	14	4900	66	27	02	05		15	128	NF		W.N.L	90/94	3.82	3.65	3.17	3.15	7.44	7.90	(FEV)
28	RESWAJIT SAMANTA	11323	21-10-1982	01-10-2009	37	171	55	Ope/Tech.	0+	116 76	13.8	7200	60	35	02	04		18	128	NF		W.N.L	92/94	3.63	2.63	3.06	2.25	7.29	6.25	(FEV)
29	GANESH MAHATA	10922	07-03-1986	01-09-2007	34	169	65	Ope/Tech.	0+	114 76	12.8	6800	58	36	02	04		18	118	NF		W.N.L	88/92	2.98	2.49	2.59	2.07	6.62	5.62	(FEV)
30	KARTIK CHALAK	10916	08-02-1989	01-09-2007	31	159	50	Ope/Tech.	0+	118 80	12.6	8600	64	32	01	03		22	110	NF		W.N.L	88/92	2.98	2.49	2.59	2.07	6.62	5.62	(FEV)
31	SUDHANSU RHA	10919	01-03-1987	01-09-2007	31	159	50	Ope/Tech.	0+	118 80	12.6	8600	64	32	01	03		22	110	NF		W.N.L	88/92	2.98	2.49	2.59	2.07	6.62	5.62	(FEV)
32	GHANSHYAM PANDEY	10931	10-10-1988	01-10-2007	31	157	55	Ope/Tech.	0+	116 74	13.6	8200	67	26	03	04		23	118	NF		W.N.L	82/84	2.98	2.49	2.59	2.07	6.62	5.62	(FEV)
33	SK. KAMALUDDIN	11053	12-01-1987	02-05-2008	33	165	70	Ope/Tech.	0+	116 74	13.6	8200	67	26	03	04		23	118	NF		W.N.L	92/94	3.26	2.62	2.77	1.99	6.87	7.07	(FEV)
34	ANAL MAHATA	11055	03-05-1988	04-05-2008	32	162	61	Ope/Tech.	0+	116 78	14.2	6400	68	29	01	02		18	120	NF		W.N.L	92/94	3.26	2.62	2.77	1.99	6.87	7.07	(FEV)
35	SANJOY MANA	11073	04-01-1979	02-06-2008	41	165	62	Ope/Tech.	0+	116 78	14.2	6400	68	29	01	02		18	120	NF		W.N.L	92/94	3.26	2.62	2.77	1.99	6.87	7.07	(FEV)
36	SAMIT ADHIKARI	11098	12-09-1985	01-08-2008	34	164	49	Ope/Tech.	0+	118 80	12.9	8500	70	27	01	05		18	116	NF		W.N.L	78/80	3.26	2.62	2.77	1.99	6.87	7.07	(FEV)
37	ANITU GHOSH	11105	23-09-1989	02-08-2008	30	167	60	Ope/Tech.	0+	124 84	14	6200	60	35	02	03		12	111	NF		W.N.L	86/88	3.60	3.10	3.06	2.62	7.29	7.53	(FEV)
38	SANTU DOAL	11128	01-05-1987	01-10-2008	33	168	65	Ope/Tech.	0+	124 84	14	6200	60	35	02	03		12	111	NF		W.N.L	86/88	3.60	3.10	3.06	2.62	7.29	7.53	(FEV)
39	SANKAR MONDAL	11197	25-04-1976	01-03-2010	44	160	65	Ope/Tech.	0+	122 80	13.8	6800	60	34	02	04		16	118	NF		W.N.L	83/98	3.56	2.72	3.01	2.28	7.22	3.35	(FEV)
40	SOUGATA PAN	11442	01-05-1990	02-02-2009	30	166	60	Ope/Tech.	0+	122 80	13.8	6800	60	34	02	04		16	118	NF		W.N.L	85/90	3.62	2.83	3.08	2.16	6.84	6.86	(FEV)
41	RINTU BHINJA	11743	15-05-1984	01-06-2009	36	157	54	Ope/Tech.	0+	120 80	13.6	5900	58	37	01	04		17	124	NF		W.N.L	87/89	3.26	2.62	2.77	1.99	6.87	7.07	(FEV)
42	KAMPADA MAHATA	11772	24-01-1989	01-07-2009	31	159	55	Ope/Tech.	0+	118 80	12.8	7200	64	32	02	04		22	108	NF		W.N.L	86/88	3.58	2.67	3.03	2.12	7.26	4.91	(FEV)
43	SWARNA KAMAL SHIT	11774	15-04-1988	01-01-2011	32	173	71	Ope/Tech.	0+	116 76	13.9	7200	58	36	02	04		13	136	NF		W.N.L	88/92	3.83	3.25	3.23	2.64	7.54	7.98	(FEV)
44	BHIDHADEV PANJA	11775	23-02-1990	01-01-2011	30	168	50	Ope/Tech.	0+	114 76	13.9	6800	64	32	01	03		12	112	NF		W.N.L	78/81	3.76	3.75	3.18	3.09	7.47	8.57	(FEV)
45	SUKTAR MAHATA	11899	24-03-1990	02-10-2009	30	164	60	Ope/Tech.	0+	118 80	14.2	7200	69	24	02	05		15	121	NF		W.N.L	89/92	3.49	4.20	2.96	2.95	7.16	7.57	(FEV)
46	SANAT MAHATA	11911	05-11-1988	01-11-2009	31	171	51	Ope/Tech.	0+	116 80	13.6	6600	58	35	03	04		14												



110	Swadesh Majumdar	HM-25	22-Apr-1985	1-Aug-2011	35	168	53	Contractor Worker	B+	118	78	131	5800	49	42	03	06	0	19	98	NF	NORMAL	W.N.L.	80/84	3.5	3.27	2.94	2.8	7.12	6.97	(FEV)
111	Swadesh Majumdar	HM-25	10-Nov-1977	1-May-2003	43	156	56	Contractor Worker	B+	116	78	129	6400	72	20	02	06	0	16	119	NF		W.N.L.	85/87	2.73	2.07	2.31	1.71	6.21	7.15	(FEV)
112	Tapan Biswas	HM-26	15-Jul-1984	1-Nov-2004	36	155	54	Contractor Worker	B+	120	80	13	6100	71	22	02	05	0	17	100	NF		W.N.L.	82/83	3.24	2.49	2.77	2.42	6.88	5.47	(FEV)
113	Tarun Kumar Mahata	HM-27	5-Jul-1971	1-Mar-2006	49	166	65	Contractor Worker	B+	124	82	128	6200	56	36	03	05	0	14	134	NF		W.N.L.	84/86	3.27	3.11	2.69	2.48	6.74	6.79	(FEV)
114	Tuck Chand Paria	HM-28	1-Jan-1971	1-Apr-2010	49	170	62	Contractor Worker	A+	118	80	118	6000	64	29	02	05	0	13	136	NF		W.N.L.	82/84	3.49	3.44	2.88	2.61	7.03	4.81	(FEV)
115	Saiten Mahata	HM-29	3-Jan-1974	1-Apr-2006	41	159	45	Contractor Worker	A+	114	78	128	6900	69	24	02	05	0	18	124	NF		W.N.L.	80/82	2.96	2.04	2.47	1.55	6.43	2.94	(FEV)
116	Sujit Mahata	HM-30	15-Jul-1980	1-Nov-2016	34	157	44	Contractor Worker	A+	126	80	128	6800	73	20	02	06	0	18	118	NF		W.N.L.	78/80	2.91	3.07	2.46	2.50	6.42	7.17	(FEV)
117	Ram Halder	HM-31	26-Nov-1980	1-Aug-2016	37	160	48	Contractor Worker	A+	116	78	115	8400	69	23	02	06	0	18	118	NF	NORMAL	94/97	2.7	1.73	2.31	1.13	6.21	2.54	(FEV)	
118	Manojit Mondal	HM-32	13-Apr-1990	1-Aug-2016	28	158	66	Contractor Worker	O+	126	80	13.6	8300	52	4	05	03	0	25	98	NF	NORMAL	82/86	3.43	3.26	2.95	2.88	7.15	7.53	(FEV)	
119	Pintu Ghosh	HM-33	1-Jan-1987	1-Aug-2016	31	160	62	Contractor Worker	O+	118	78	128	7500	70	23	02	05	0	14	86	NF		W.N.L.	83/85	3.17	3.07	2.7	2.58	6.78	5.1	(FEV)
120	Pradip Mahata	HM-34	7-Feb-1995	1-Aug-2016	23	163	46	Contractor Worker	AB+	116	74	119	5700	68	24	02	06	0	16	78	NF		W.N.L.	86/88	3.59	4.11	3.08	3.48	7.33	4.7	(FEV)
121	Shankar Pan	HM-35	1-Jul-1970	1-Aug-2016	48	165	48	Contractor Worker	O+	118	78	108	7100	73	20	01	06	0	13	166	NF		W.N.L.	80/84	3.13	2.21	2.57	1.89	6.57	4.21	(FEV)
122	Milan Chakraborty	HM-36	3-Jan-1989	1-Aug-2016	29	160	58	Contractor Worker	A+	118	78	13	7800	68	24	02	06	0	12	99	NF		W.N.L.	82/83	3.26	2.91	2.79	2.71	6.91	5.01	(FEV)
123	Bablu Mahata	HM-37	7-Feb-1991	1-Aug-2016	27	168	45	Contractor Worker	AB+	116	76	11.2	6400	59	34	02	05	0	14	124	NF		W.N.L.	80/82	3.13	2.26	2.57	1.71	6.57	3.8	(FEV)
124	Ajit Singh	KM-1	1-Jul-1982	1-Jul-2003	38	166	53	Contractor Worker	O+	118	76	128	7200	71	23	02	04	0	11	76	NF		W.N.L.	78/82	3.22	3.15	2.81	2.3	6.94	6.29	(FEV)
125	Anjan Bag	KM-2	1-Jan-1988	1-Apr-2006	32	162	55	Contractor Worker	O+	120	80	13	6400	73	20	02	05	0	22	86	NF		W.N.L.	82/83	3.34	2.36	2.72	1.69	6.78	3.85	(FEV)
126	Bhakti Patar	KM-3	12-Jan-1988	1-Apr-2006	32	162	61	Contractor Worker	O+	116	76	12.6	5800	69	23	02	05	0	16	78	NF		W.N.L.	84/86	3.66	3.38	3.13	2.77	7.39	4.91	(FEV)
127	Biswanath Mahanta	KM-4	1-Jan-1987	7-Jul-2006	33	156	55	Contractor Worker	B+	114	76	13.1	8200	52	41	02	05	0	19	92	NF		W.N.L.	82/93	3.58	3.29	3.03	2.89	7.26	12.06	(FEV)
128	Buddheswar Mahato	KM-5	15-Jul-1976	4-Oct-2006	44	160	58	Contractor Worker	O+	116	78	12.7	6300	59	34	02	05	0	13	106	NF		W.N.L.	79/81	2.93	1.71	2.48	0.99	6.46	1.7	(FEV)
129	Chitta Mahtar	KM-6	15-Jul-1970	1-Nov-2003	50	160	46	Contractor Worker	B+	120	80	118	8100	72	21	02	05	0	14	124	NF		W.N.L.	80/82	3.13	2.26	2.57	1.71	6.57	3.8	(FEV)
130	Dipak Roy	KM-7	1-Jan-1986	7-Apr-2006	34	160	52	Contractor Worker	A+	118	76	13.6	7200	63	30	02	05	0	11	76	NF		W.N.L.	78/82	3.22	3.15	2.81	2.3	6.94	6.29	(FEV)
131	Dulai Mahato	KM-8	1-Jul-1970	1-Apr-2006	50	161	47	Contractor Worker	B+	124	76	12.9	6700	73	20	02	05	0	10	112	NF		W.N.L.	81/83	3.28	2.63	2.82	2.32	6.95	5.79	(FEV)
132	Ganesh Singh	KM-9	1-Jan-1986	7-Apr-2006	34	156	52	Contractor Worker	B+	126	80	119	7600	72	20	02	06	0	15	93	NF		W.N.L.	81/83	3.4	2.96	2.87	2.66	7.02	6.61	(FEV)
133	Gouri Dolai	KM-10	1-Jul-1969	1-Apr-2006	51	162	51	Contractor Worker	O+	116	76	12	6400	63	30	02	05	0	16	102	NF		W.N.L.	83/85	2.53	2.62	2.12	2.05	5.94	4.61	(FEV)
134	Jelashnar Mahato	KM-11	1-Jul-1989	16-Aug-2006	31	159	54	Contractor Worker	B+	118	78	11.9	8500	61	33	02	04	0	11	82	NF		W.N.L.	79/82	3.58	3.29	3.03	2.89	7.26	12.06	(FEV)
135	Pradip Manata	KM-12	15-Jul-1985	1-Jul-2003	35	160	54	Contractor Worker	O+	124	84	12.3	5800	62	30	02	06	0	13	87	NF		W.N.L.	82/84	3.54	3.46	2.99	2.95	7.19	7.45	(FEV)
136	Prakash Mahata	KM-13	15-Jul-1968	1-Jul-2003	52	151	49	Contractor Worker	B+	126	84	12.8	6100	70	24	02	04	0	13	121	NF		W.N.L.	82/84	2.51	2.8	2.1	2.05	5.9	7.43	(FEV)
137	Rakhabari Mahato	KM-14	1-Jan-1969	1-Apr-2006	51	156	53	Contractor Worker	O+	126	84	12.8	6100	70	24	02	04	0	18	116	NF		W.N.L.	81/83	2.96	1.89	2.47	1.83	6.43	4.66	(FEV)
138	Sanjoy Patra	KM-15	3-Feb-1987	4-Apr-2006	33	158	55	Contractor Worker	A+	122	78	12.4	7400	55	38	02	05	0	19	87	NF		W.N.L.	79/81	3.28	2.63	2.82	2.32	6.95	5.79	(FEV)
139	Sharikat Mahata	KM-16	15-Jul-1975	1-Jul-2003	45	166	56	Contractor Worker	O+	124	80	12.1	5900	70	23	02	05	0	13	98	NF		W.N.L.	84/86	3.43	2.37	2.81	1.93	6.92	6.91	(FEV)
140	Sunit Mahata	KM-17	15-Jul-1978	1-Jul-2003	42	163	53	Contractor Worker	A+	124	86	13	5200	72	20	02	06	0	16	76	NF		W.N.L.	78/82	3.12	2.67	2.69	1.89	6.77	3.56	(FEV)
141	Sunit Mahata	KM-18	15-Jul-1978	1-Jul-2003	42	163	53	Contractor Worker	A+	124	86	13	5200	72	20	02	06	0	16	76	NF		W.N.L.	81/83	3.5	3.27	2.94	2.8	7.12	6.97	(FEV)
142	Karik Mahata	KM-20	12-Dec-1977	1-Aug-2016	40	153	48	Contractor Worker	O+	420	80	12	7800	68	27	02	03	0	12	121	NF		W.N.L.	81/84	3.74	4.13	3.08	2.97	7.31	8.22	(FEV)
143	Mangal Mandi	KM-21	1-Nov-1978	1-Aug-2016	40	162	55	Contractor Worker	B+	120	80	12.8	6300	68	24	02	06	0	15	100	NF		W.N.L.	85/87	3.33	3.58	2.84	2.03	6.98	2.63	(FEV)
144	Sanjay Roy	KM-22	22-Apr-1975	3-Aug-2016	43	163	56	Contractor Worker	AB+	126	84	13	6500	70	224	02	04	0	18	104	NF		W.N.L.	79/82	2.90	2.84	2.40	2.07	6.33	6.08	(FEV)
145	Ashok Mahato	IA-2	1-Jul-1975	5-Apr-2006	45	171	53	Contractor Worker	B+	116	76	12.8	6200	67	27	01	05	0	13	102	NF		W.N.L.	81/82	3.94	3.44	3.26	2.83	7.58	8.62	(FEV)
146	Barun Mahata(A)	IA-3	15-Jul-1981	1-May-2003	39	162	42	Contractor Worker	A+	114	78	12.1	5800	66	27	02	05	0	18	106	NF		W.N.L.	84/85	3.01	3.26	2.57	2.58	6.59	6.45	(FEV)
147	Basir Mallick	IA-4	1-Jan-1985	4-Jun-2009	35	159	58	Contractor Worker	O+	126	84	13	6400	65	29	02	04	0	19	86	NF		W.N.L.	84/85	3.74	3.13	3.08	2.71	7.31	4.05	(FEV)
148	Bholanath Mahato	IA-5	15-Jul-1972	1-May-2003	48	162	50	Contractor Worker	O+	122	80	118	6500	56	28	02	04	0	21	104	NF		W.N.L.	82/84	2.96	2.44	2.47	2.09	6.43	7.1	(FEV)
149	Biswanath Deb	IA-6	15-Jul-1973	1-Jan-2005	47	169	60	Contractor Worker	B+	124	80	12.9	8400	72	20	02	06	0	13	86	NF		W.N.L.	81/85	3.06	3.51	2.62	2.62	6.66	7.48	(FEV)
150	Bubu Singh	IA-7	15-Jul-1983	1-May-2003	37	165	54	Contractor Worker	B+	124	80	11.7	6800	69	24	02	05	0	21	121	NF		W.N.L.	81/85	3.06	3.51	2.62	2.62	6.66	7.48	(FEV)
151	Chhatrapati Mahato	IA-9	1-Jan-1982	5-Apr-2006	38	162	54	Contractor Worker	A+	122	82	12.7	8200	64	28	02	06	0	19	108	NF		W.N.L.	82/86	3.03	2.82	2.60	2.33	6.63	7.07	(FEV)
152	Ganesh Mahata(A)	IA-10	11-Aug-1975	1-May-2003	45	165	48	Contractor Worker	B+	124	80	11.7	6800	69	24	02	05	0	21	121	NF		W.N.L.	85/88	3.31	3.20	2.73	2.4	6.81	6.61	(FEV)
153	Jamshed Khan	IA-11	1-Jul-1986	15-Mar-2006	34	181	61	Contractor Worker	B+	126	78	13.2	8600	73	20	01	06	0	25	109	NF		W.N.L.	86/88	4.23	3.98	3.50	3.83	7.92	8.51	(FEV)
154	Kamal Hosen Khan	IA-12	1-Jan-1980	4-Jun-2009	40	163	63	Contractor Worker	B+	120	80	12.9	5900	70	21	02	07	0	14	112	NF		W.N.L.	92/94	2.97	2.78	2.53	2.24	6.52	7.43	(FEV)
155	Lukhoh Mahato	IA-13	1-Jan-1976	4-Apr-2006	44	153	45	Contractor Worker	O+	122	80	13	7400	68	24	02	06	0	13	113	NF		W.N.L.	90/92	3.22	3.15	2.81	2.3	6.94	6.29	(FEV)
156	Mahadev Mahata	IA-14	15-Jul-1982	11-Jun-2009	38	155	43	Contractor Worker	B+	118	76	12.8	6900	65	27	02	06	0	20	103	NF		W.N.L.	79/81	4.01	2.07	3.3	1.41	7.62	4.27	(FEV)
157	Mangal Mahato	IA-15	1-Jul-1966	5-Apr-2006	54	165	54	Contractor Worker	O+	128	86	13	5900	63	30	02	05	0													



167	Sunil Duley	IA-25	15-Jul-1978	1-May-2003	42	167	56	Contractor Worker	B+	112	74	13.1	6700	58	34	02	06	0	25	105	NF		W.N.L	86/88	2.7	2.02	2.23	1.5	6.08	5.07	(FE
168	Sunil Karmokar	IA-26	1-Jul-1974	1-May-2003	46	156	50	Contractor Worker	B+	128	86	11.9	5900	56	37	02	05	0	13	102	NF		W.N.L	78/81	2.73	2.25	2.31	1.86	6.21	4.55	(FE
169	Swapan Mahata	IA-27	5-Jan-1978	15-Mar-2006	42	169	70	Contractor Worker	A+	114	74	12.6	5700	68	24	02	06	0	09	108	NF		W.N.L	92/95	3.16	2.61	2.65	2	6.7	7.3	(FE
170	Tarani Mahata	IA-28	15-Jul-1973	1-Jan-2005	47	182	68	Contractor Worker	AB+	118	76	13.2	7500	73	20	02	05	0	21	121	NF		W.N.L	89/92	3.13	2.26	2.57	1.71	6.57	3.8	(FE
171	Thakurdas Mahata	IA-29	18-May-1986	15-Mar-2006	34	165	54	Contractor Worker	A+	120	80	13	8200	74	20	02	04	0	15	130	NF		W.N.L	86/88	2.73	2.25	2.31	1.86	6.21	4.55	(FE
172	Wajed Ali Chaudhuri	IA-30	1-Jan-1977	12-Jun-2009	43	162	48	Contractor Worker	O+	124	84	12.7	8300	72	20	02	06	0	10	98	NF		W.N.L	84/86	3.01	3.26	2.57	2.58	6.59	6.45	(FE
173	Ananda Mahata	IA-31	6-May-1977	2-Aug-2016	41	167	58	Contractor Worker	AB+	120	80	13.6	7600	66	27	02	05	0	24	100	NF		W.N.L	80/86	3.49	2.31	2.88	1.81	7.03	3.66	(FE
174	Basanta Debsingha	IA-32	1-Jan-1984	4-Aug-2016	34	158	45	Contractor Worker	O+	126	86	13.4	6700	67	26	02	05	0	13	113	NF		W.N.L	79/81	3.94	3.44	3.26	2.83	7.58	8.62	(FE
175	Dilwar Khan	IA-33	1-May-1990	3-Aug-2016	28	167	53	Contractor Worker	O+	120	80	13.6	5500	60	34	02	04	0	18	96	NF		W.N.L	75/65	3.6	2.95	3.06	2.52	7.29	5.33	(FE
176	Manoranjon Mahata	IA-34	10-Jul-1989	5-Aug-2016	29	163	55	Contractor Worker	A+	116	80	13	6100	68	26	02	04	0	11	86	NF		W.N.L	96/98	3.22	3.05	2.64	2.54	6.67	5.01	(FE
177	Deepak Mahata	SUV-1	2-Jul-1985	1-Jun-2006	35	163	47	Contractor Worker	A+	118	78	13	6600	62	30	02	06	0	24	121	NF		W.N.L	77/80	3.31	2.93	2.82	2.41	6.94	6.01	(FE
178	Kartik Mahata	SUV-2	1-Jan-1985	16-Jun-2006	35	170	58	Contractor Worker	A+	124	82	12.8	7100	73	20	02	05	0	20	115	NF		W.N.L	82/84	4	3.26	3.33	2.69	7.68	5.89	(FE
179	Manik Roy	SUV-3	1-Jan-1969	1-Jun-2006	51	160	54	Contractor Worker	A+	126	88	12.5	8000	69	24	02	05	0	13	128	NF		W.N.L	84/86	2.76	2.65	2.3	2.28	6.18	6.46	(FE
180	Nanyan Chalak	SUV-5	1-Dec-1987	1-Jun-2006	33	167	54	Contractor Worker	O+	124	82	13.6	6400	70	24	02	04	0	15	103	NF		W.N.L	82/84	3.53	3.9	3.01	3.22	7.23	6.01	(FE
181	Rajib Bhandari	SUV-6	14-Feb-1987	16-Jun-2006	33	153	44	Contractor Worker	A+	126	80	13.2	5900	56	38	02	04	0	21	98	NF		W.N.L	79/81	3.06	2.92	2.68	2.4	6.76	6.78	(FE
182	Amit Ray	BCM-1	1-Jul-1981	20-Sep-2011	39	158	52	Contractor Worker	B+	128	82	12.9	7300	60	32	02	06	0	18	119	NF		W.N.L	82/84	3.35	3.02	2.78	2.61	6.88	8.02	(FE
183	Madan Mohanti	BCM-2	1-Jan-1968	1-Apr-2013	52	168	77	Contractor Worker	A+	130	84	12.7	8200	61	32	02	05	0	16	120	NF		W.N.L	92/94	3.08	1.64	2.48	1.63	6.43	5.26	(FE
184	Tarapada Mahata	BCM-3	15-Aug-1968	1-Apr-2013	52	161	47	Contractor Worker	AB+	118	78	13	7600	70	24	02	04	0	10	108	NF		W.N.L	77/79	2.86	3.16	2.35	2.48	6.26	6.40	(FE
185	Buddhadev Mahata	BCM-4	01-06-1988	20-12-2017	30	158	50	Contractor Worker		120	80	14	6400	73	20	02	05	0	19	89	NF		W.N.L	80/83	3.56	2.79	3.01	2.24	7.22	3.89	(FE
186	Shyam Sundar Ghosh	BCM-5	01-01-1988	09-05-2017	30	163	53	Contractor Worker		122	80	13.6	6500	61	20	02	05	0	11	113	NF		W.N.L	85/89	3.58	2.11	3.03	1.64	7.26	4.28	(FE
187	Haru Mondal	BCM-6	22-01-1979	09-05-2017	39	153	55	Contractor Worker		122	84	13.2	6700	63	30	02	04	0	13	128	NF		W.N.L	78/81	2.86	3.16	2.35	2.48	6.26	6.40	(FE



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./ : Mouza- Changsole, Post- Saiyedpur
State : 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 : 11 Acres
(roads/building/Factory etc)
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 : As above
species still available : [Akashmoni -11 nos, Krisnachura- 20 nos , Asoka -28 nos, Palm
in the area : Tree- 2 nos , Mango Trees -45 nos]
c) By protecting the area will : Yes
Indigenous stock come up ?
d) Extent of green belt developed. : 17 Acres
7. Plantations required to be carried
Out as per.
a) Conditions of Environmental : Followed Env. Act 1986
Clearance in ha. /nos
b) Conditions of forest C Act. : N.A.
Clearance in ha. /nos
c) Voluntarily in ha. /nos. : N.A.

For VISAKA INDUSTRIES LTD.

Biplab Banerjee

8.Plantation

a) Total area available for
plantation in each category

i) Green belt plantation	ii) Demos	iii) Back filled areas.	iv) Road sides	v) Block
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)	--15111
Survival %	--94.73

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 Plant	Year	Funds allocated	Expenditure made	Average cost of each surviving
1	2019-20 (Oct-19 to Mar-20)	2,10,000	4,93,098	657.46 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.

:- And also we have developed a tea garden in south side of plant
in approx. 1.5 acre land with the guidance of Expert professional
of IIT, Kharagpur & as per their observation it is the best quality
tea in south Bengal region.

11. Remarks / any others information (Density)

: 0.26 Nos/SqM

For VISAKA INDUSTRIES LTD.

Biplab Banerjee
(Asst. Works Manager)

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
2019-20 (Up to Mar-20)	40	10 feet	12 feet	557 SqM	
					951 Sqm

c). Survival of plantation FY-19-20 (up to Mar-20)

Total Plantation	40
Survival Nos	38
Survival %	95.00

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 consumption on running the pollution control equipment is given below.

	FY-2019-20 (Apr-19 to Sep-19)			FY-2019-20 (Oct-19 to Mar-20)		
	Energy Consumption		Value (Rs)	Energy Consumption		Value (Rs)
On dust collector running-Fibre	13480.37	KWH/Yr	Rs. 1.15 Lac	10549.80193	KWH/Yr	Rs. 0.90 Lac
-Cement	9023.93	KWH/Yr	Rs. 0.77 Lac	7978.60	KWH/Yr	Rs. 0.68 Lac
Fly ash	1399.72	KWH/Yr	Rs. 0.12 Lac	1103.70	KWH/Yr	Rs. 0.09 Lac
Wet ball mill and sludge recycling	71317.275	KWH/Yr	Rs. 6.06 Lac	29837.1	KWH/Yr	Rs. 2.54 Lac
Fiber bag opener & shredder	15940.84	KWH/Yr	Rs. 1.35 Lac	12475.38	KWH/Yr	Rs. 1.06 Lac
Centralised vacuum Cleaner	4967.26875	KWH/Yr	Rs. 0.42 Lac	4007.93	KWH/Yr	Rs. 0.34 Lac
Total	116129.4175	KWH/Yr	Rs. 11.14 Lac	65952.505	KWH/Yr	Rs. 5.61 Lac

PART- B

Additional measures / investment proposal for environmental protection including abatement of Pollution, prevention of pollution

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

Sr. no	Budget ahead	FY-2019-20 (Apr-19 to Sep-19)		FY-2019-20 (Oct-19 to Mar-20)	
1	Capital Investment out lay & Utilised	Rs.	-----	Rs.	-----
2	Recurring Expenditure:-				
	Chemical		-----		-----
	Power	Rs	9,87,100	Rs	5,60,596
	Manpower	Rs	20,06,118	Rs	22,15,964
	Training	Rs	6,000	Rs	1,1500
	Sample Testing	Rs	,84,000	Rs	,77,257
	Consumables	Rs	3,27,588	Rs	4,34,184
3	WBPCB administrating expenses (Concent fee, Lab, Fine etc)	Rs	18,500	Rs	9,500
4	Legal Issues	Rs	-----	Rs	-----
5	Miscellaneous (Plant +Fertilizer purchase)	Rs	4,825	Rs	10,455
	Total		3,434,131		3,319,456

For VISAKA INDUSTRIES LTD.

Biplab Banerjee
(Asst. Works Manager)

Thanks & Regards
Biplab Banerjee

(Asst. Works Manager)
Visaka Industries Limited
W.B.

1870

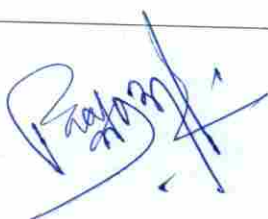
1870

Environment Monitoring Equipment Details:

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

Environment Protection Equipment Details:

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



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	Manager Production	Diploma in Mechanical Engineering	biplab.banerjee@visaka.in	Chairmen
2	Debasish Dey	Officer EHS	Post Graduate Diploma in Industrial Safety	safetyofficer.midnapur@visaka.in	Secretary
3	Amitava.Patra	Asst. officer QC	Diploma in auto mobile	quality.midnapur@visaka.in	Member
4	Subrata Santra	Asst. officer QC	BA	quality.midnapur@visaka.in	Member
5	Samir Dey	Dy. Manager HRD	MBA (HR)	samir.dey@visaka.in	Member
6	Dipankar Mahanti	Asst. Manager (Mech.)	Diploma Mechanical	dipankar.mahanti@visaka.in	Member
7	Satya Nath Panda	Sr. Engineer(Electrical)	Diploma Electrical	Satyanath.panda@visaka.in	Member
8	Rajarshi Majumder	Officer (Stores)	Diploma in Material management	Rajarshi.majumder@visaka.in	Member
9	Koushik Ghosh	Jr. Executive(Despatch)	M.A	Despatch.midnapur@visaka.in	Member
10	Somnath Amboli	Sr. Engineer (Production)	Diploma Mechanical	production.midnapur@visaka.in	Member
11	Ashok Shaw	Operator (Production)	ITI (Diesel Mechanical)		Member
12	Manoj Mahato	Electrician (Electrical)	ITI (Electrical)		Member
13	Jagabandhu Mahato	Welder(Mechanical)	ITI (Welder)		Member
14	Ganesh Das	Pharmacist	D. Pharma		Member
15	Tapan Mahato	Casual Labour (EHS)			Member



For VISAKA INDUSTRIES LTD.

Biplab Banerjee
(Asst. Works Manager)

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.]

PERMIT NO. P1428427000920000001TSE

035027

4074

1. (a) Name of the applicant (user)
- (b) Son/Daughter of
- (c) Address of the applicant
- (d) Category of farmer (Please tick)
(in case of irrigation well)
- (e) Serial No. of application Form
and date of submission
- (f) Specimen signature of the user

Shri/Smt. VISAKA INDUSTRIES LTD.

Salboni, Changsole

Small Farmer/Marginal Farmer/Other

BP/B 0101, SL-79, Dt-04/09/2017

2. Location particulars—

- (a) District
- (b) Block, Mouza, J. L. No., Plot No.
- (c) Municipality/Corporation
Ward No./Borough No., Holding No.

Paschim Medinipur

Salboni, Changsole, 427, 92

3. Particulars of the proposed well and pumping device—

- (a) Type of the well
- (b) Approx. depth of the well (m)
- (c) Purpose of the well
- (d) Assembly size (for tube well)
- (e) Approx. strainer length (for tube well)
- (f) Diameter (for dug well)
- (g) Type of pump to be used
- (h) H. P. of the pump
- (i) Operational device
- (j) Rate of withdrawal (m³/hr.)
- (k) Maximum allowable running hours per day

T. W.

120 m

Industrial

150 mm X 100 mm

18 m

m

Submersible

7.5 H.P.

Electric

22 m³/hr

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-Div. No. 1/A S.W.D.,
OFFICE

Member Secretary, D.L.A.
Paschim Medinipur

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

Geologist
Geological Sub-Div. No. - 1/A

S.W.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) for 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 false or incorrect at any subsequent stage, this permit is liable for cancellation.
- (4) Any other condition imposed by the concerned Authority.

Office of the Geologist
Geological Sub-Div. No. 1/A S.W.D.,
OFFICE

Member Secretary, D.L.A.
Paschim Medinipur

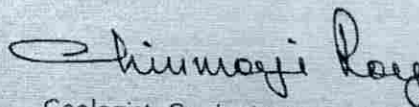
3/11/2017

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

P.T.O. for Conditionality

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 x 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.

 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.]

005028

PERMIT NO. P14284300001000000ITSE

1. (a) Name of the applicant (user) : Shri/Smt. **VISAKA INDUSTRIES LTD.**
 (b) Son/Daughter of : **Salboni, Krishnapur**
 (c) Address of the applicant : **Small Farmer/Marginal Farmer/Other**
 (d) Category of farmer (Please tick) : **BP/B 0191, SL-80, Dt-04/09/2017**
 (in case of irrigation well)
 (e) Serial No. of application Form and date of submission : **[Signature]**
 (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 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 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****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)(j) and (k) 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 shall be found incorrect at any subsequent stage, this permit is liable for cancellation.
- (4) Any other condition imposed by the concerned Authority.

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

Chinnaji Roy
 Signature of the Issuing Authority
 and Designation.

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

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

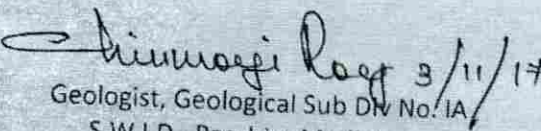
3/11/2017

Office of the Geologist
Geological Sub-Div. No. - I/A, S.W.D.,
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 x 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.


Geologist, Geological Sub Div No. 1A
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.]

035026

PERMIT NO. **P1428430000470000001TSE**

1. (a) Name of the applicant (user) : Shri/Smt. **VISAKA INDUSTRIES LTD.**
 (b) Son/Daughter of : **Salboni, Krishnapur**
 (c) Address of the applicant : **Small Farmer/Marginal Farmer/Other**
 (d) Category of farmer (Please tick)
 (in case of irrigation well) : **BP/B 0191, SL-78, Dt-04/09/2017**
 (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 : **W. K. Khatun**
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 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****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) 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.

Office of the Geologist
Geological Sub-Div. No. - I/A, S.W.D.,

SEAL &

Member Secretary, D.L.A.
Paschim MedinipurChinmaji Roy 3/11/17
Signature of the Issuing Authority
and Designation.Geologist
Geological Sub-Div. No. - I/A
S.W.D., Medinipur shall be
&
Member Secretary, D.L.A.
Paschim MedinipurOffice of the Geologist
Geological Sub-Div. No. - I/A, S.W.D.,

OFFICE

Member Secretary, D.L.A.
Paschim Medinipur

P.T.O. for Conditionalities

03/11/2017

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 x 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.

Chinmaji Rao 3/11/17

Geologist, Geological Sub Div No. 1A

S.W.I.D., Paschim Medinipur

&

Member Secretary, DLA, Paschim Medinipur



S.S.I. Reg. No.
190192100010

INDICATIVE CONSULTANT INDIA



(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)
HPL Link Road, Basudevpur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

FORMAT NO.: ICI/FM/334

☎ : 03224-275765, ☎ : 9434017584, 9232395890, 7797506973
E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is not drawn by M/s. Indicative Consultant India
Sample submitted and identified by customer as: *Drinking Water*

Report No. : ICI/W/19-20/235
Issued To : M/s. Visaka Industries Ltd.
Address : Mouza: - Changsole, Vill. + P.O. -
Sayedpur, Salbani, Paschim Medinipur,
PIN - 721 147.
Sample Condition : In Plastic Bottle
Sample Description : Drinking Water
Sampling Method : N.A.
Test Method : APHA 22nd ed 2012, IS:3025
Location : Bore Well No. - 3

Sample Ref. No. : W/235
Report Date : 06.06.19
Date of Receiving : 27.05.19
Analysis Started on : 28.05.19
Analysis Completed on : 04.06.19
Time of Sampling : -

Towards Sustainable Growth

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
1.	Appearance	-	Clear	-	-	-
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):1983; RA 2012 APHA 22 nd Edition 2150 B
3.	pH (at 26°C)	-	5.37	6.5 to 8.5	No Relaxation	IS:3025(Part-11):1983; RA 2012 APHA 22 nd Edition 4500-H B
4.	Conductivity	μS/cm	120.0	-	-	IS:3025(Part-14):1984; RA 2013 APHA 22 nd Edition 2510 B
5.	Colour	Hazen Unit	<5.0	5	15	IS:3025(Part-4):1983; RA 2012
6.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10):1984; RA 2012 APHA 22 nd Edition 2130 B
7.	Total Dissolved Solid (TDS)	mg/L	90.0	500 (Max)	2000 (Max)	IS:3025(Part-16):1984; RA 2012 APHA 22 nd Edition 2540 C
8.	Total Hardness as CaCO ₃	mg/L	41.5	200 (Max)	600 (Max)	IS:3025(Part-21):2009; RA 2012 APHA 22 nd Edition 2340 C
9.	Ca Hardness as CaCO ₃	mg/L	30.4	-	-	APHA 22 nd Edition 2340 C
10.	Mg Hardness as CaCO ₃	mg/L	11.1	-	-	APHA 22 nd Edition 2340 C
11.	Calcium as Ca	mg/L	12.2	75 (Max)	200 (Max)	IS:3025(Part-40):1991; RA 2014 APHA 22 nd Edition 3500Ca B
12.	Magnesium as Mg	mg/L	2.7	30 (Max)	100 (Max)	IS:3025(Part-46):1994; RA 2014 APHA 22 nd Edition 3500Mg B
13.	Chloride as Cl	mg/L	8.3	250 (Max)	1000 (Max)	IS:3025(Part-32):1988; RA 2014 APHA 22 nd Edition 4500Cl B
14.	Total Alkalinity as CaCO ₃	mg/L	45.2	200 (Max)	600 (Max)	IS:3025(Part-23):1986; RA 2014 APHA 22 nd Edition 2320 B
15.	P-Alkalinity as CaCO ₃	mg/L	Nil	-	-	APHA 22 nd Edition 2320B
16.	M-Alkalinity as CaCO ₃	mg/L	45.2	-	-	APHA 22 nd Edition 2320B





S.S.I. Reg. No.
190192100010

INDICATIVE CONSULTANT INDIA



(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)
HPL Link Road, Basudevpur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

FORMAT NO.: ICI/FM/55A

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973
E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

Report No : ICI/W/19-20/235

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
17.	Iron as Fe	mg/L	<0.01	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003; RA 2012 APHA 22 nd Edition 3500-Fe B
18.	Sulfate as SO ₄	mg/L	<1.5	200 (Max)	400 (Max)	IS:3025(Part-24):1986; RA 2014 APHA 22 nd Edition 4500 SO ₄ E
19.	Phosphate as P	mg/L	<0.02	-	-	APHA 22 nd Edition 4500P D
20.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 22 nd Edition 3500As B
21.	Manganese as Mn	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 22 nd Edition 3111 B
22.	Silica as SiO ₂	mg/L	29.0	-	-	IS:3025(Part-35):1988; RA 2014 APHA 22 nd Edition 4500 SiO ₂ C
23.	Fluoride as F	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008; RA 2013 APHA 22 nd Edition 4500 FD

Remarks:: Chemically unsatisfactory due to low pH.

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

Checked By

For, Indicative Consultant India

Debashis Halder
(Sr. Chemist)
Signatory Authority



Towards Sustainable Growth

Note :

1. Test results shown in this test report relate only to the item tested
2. This test report shall not be reproduce anywhere except in full and in same format without the approval of the laboratory.
3. Retention period of tested samples is 10 days from the date of issue of test report unless otherwise specified.



S.S.I. Reg. No.
190192100010

INDICATIVE CONSULTANT INDIA

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)
HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

FORMAT NO.: ICI/FM/33A

☎ : 03224-275765, ☎ : 9434017584, 9232395890, 7797506973
E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is not drawn by M/s. Indicative Consultant India
Sample submitted and identified by customer as: *Drinking Water*

Report No. : ICI/W/19-20/234
Issued To : M/s. Visaka Industries Ltd.
Address : Mouza: - Changsole, Vill. + P.O. -
Sayedpur, Salbani, Paschim Medinipur,
PIN - 721 147,
Sample Condition : In Plastic Bottle
Sample Description : Drinking Water
Sampling Method : N.A.
Test Method : APHA 22nd ed 2012, IS:3025
Location : Bore Well No. - 2

Sample Ref. No. : W/234
Report Date : 06.06.19
Date of Receiving : 27.05.19
Analysis Started on : 28.05.19
Analysis Completed on : 04.06.19
Time of Sampling : -

Towards Sustainable Growth

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
1.	Appearance	-	Clear	-	-	-
2.	Odour	-	Agreeable	Agreeable	Agreeable	-
3.	pH (at 26°C)	-	5.56	6.5 to 8.5	No Relaxation	IS:3025(Part-5):1983: RA 2012 APHA 22 nd Edition 2150 B
4.	Conductivity	µS/cm	89.0	-	-	IS:3025(Part-11):1983: RA 2012 APHA 22 nd Edition 4500-H B
5.	Colour	Hazen Unit	<5.0	5	15	IS:3025(Part-14):1984: RA 2013 APHA 22 nd Edition 2510 B
6.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-4):1983: RA 2012
7.	Total Dissolved Solid (TDS)	mg/L	60.0	500 (Max)	2000 (Max)	IS:3025(Part-10):1984: RA 2012 APHA 22 nd Edition 2130 B
8.	Total Hardness as CaCO ₃	mg/L	38.4	200 (Max)	600 (Max)	IS:3025(Part-16):1984: RA 2012 APHA 22 nd Edition 2540 C
9.	Ca Hardness as CaCO ₃	mg/L	20.2	-	-	IS:3025(Part-21):2009: RA 2012 APHA 22 nd Edition 2340 C
10.	Mg Hardness as CaCO ₃	mg/L	18.2	-	-	APHA 22 nd Edition 2340 C
11.	Calcium as Ca	mg/L	8.1	75 (Max)	200 (Max)	APHA 22 nd Edition 2340 C
12.	Magnesium as Mg	mg/L	4.4	30 (Max)	100 (Max)	IS:3025(Part-40):1991: RA 2014 APHA 22 nd Edition 3500C B
13.	Chloride as Cl	mg/L	8.3	250 (Max)	1000 (Max)	IS:3025(Part-46):1994: RA 2014 APHA 22 nd Edition 3500Mg B
14.	Total Alkalinity as CaCO ₃	mg/L	28.6	200 (Max)	600 (Max)	IS:3025(Part-32):1988: RA 2014 APHA 22 nd Edition 4500Cl B
15.	P-Alkalinity as CaCO ₃	mg/L	Nil	-	-	IS:3025(Part-23):1986: RA 2014 APHA 22 nd Edition 2320 B
16.	M-Alkalinity as CaCO ₃	mg/L	28.6	-	-	APHA 22 nd Edition 2320B APHA 22 nd Edition 2320B





S.S.I. Reg. No.
190192100010

INDICATIVE CONSULTANT INDIA



(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)
HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

FORMAT NO.: ICI/FM/35A

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973
E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

Report No : ICI/W/19-20/234

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
17.	Iron as Fe	mg/L	<0.01	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003: RA 2012 APHA 22 nd Edition 3500-Fe B
18.	Sulfate as SO ₄	mg/L	<1.5	200 (Max)	400 (Max)	IS:3025(Part-24):1986: RA 2014 APHA 22 nd Edition 4500 SO ₄ ²⁻ E
19.	Phosphate as P	mg/L	<0.02	-	-	APHA 22 nd Edition 4500P D
20.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 22 nd Edition 3500As B
21.	Manganese as Mn	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 22 nd Edition 3111 B
22.	Silica as SiO ₂	mg/L	26.3	-	-	IS:3025(Part-35):1988, RA 2014 APHA 22 nd Edition 4500 SiO ₂ C
23.	Fluoride as F	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008: RA 2013 APHA 22 nd Edition 4500 FD

Remarks:: Chemically unsatisfactory due to low pH.

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

[Signature]

Checked By

For, Indicative Consultant India

[Signature]
Debashis Halder
(Sr. Chemist)

Signatory Authority



Note :

1. Test results shown in this test report relate only to the item tested.
2. This test report shall not be reproduce anywhere except in full and in same format without the approval of the laboratory.
3. Retention period of tested samples is 10 days from the date of issue of test report unless otherwise specified.



S.S.I. Reg. No.
190192100010

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/FM/55.1

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)
HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, ☎ : 9434017584, 9232395890, 7797506973
E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is not drawn by M/s. Indicative Consultant India
Sample submitted and identified by customer as: *Drinking Water*

Report No. : ICI/W/19-20/233
Issued To : M/s. Visaka Industries Ltd.
Address : Mouza: - Changsole, Vill. + P.O. -
Sayedpur, Salbani, Paschim Medinipur,
PIN - 721 147.
Sample Condition : In Plastic Bottle
Sample Description : Drinking Water
Sampling Method : N.A.
Test Method : APHA 22nd ed 2012, IS:3025
Location : Bore Well No. - 1

Sample Ref. No. : W/233
Report Date : 06.06.19
Date of Receiving : 27.05.19
Analysis Started on : 28.05.19
Analysis Completed on : 04.06.19
Time of Sampling : -

Towards Sustainable Growth

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
1.	Appearance	-	Clear	-	-	-
2.	Odour	-	Agreeable	Agreeable	Agreeable	-
3.	pH (at 26°C)	-	5.52	6.5 to 8.5	No Relaxation	IS:3025(Part-5):1983; RA 2012 APHA 22 nd Edition 2150 B
4.	Conductivity	µS/cm	90.0	-	-	IS:3025(Part-11):1983; RA 2012, APHA 22 nd Edition 4500-H B
5.	Colour	Hazen Unit	<5.0	5	15	IS:3025(Part-14):1984; RA 2013 APHA 22 nd Edition 2510 B
6.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-4):1983; RA 2012
7.	Total Dissolved Solid (TDS)	mg/L	62.0	500 (Max)	2000 (Max)	IS:3025(Part-10):1984; RA 2012 APHA 22 nd Edition 2130 B
8.	Total Hardness as CaCO ₃	mg/L	28.3	200 (Max)	600 (Max)	IS:3025(Part-16):1984; RA 2012 APHA 22 nd Edition 2540 C
9.	Ca Hardness as CaCO ₃	mg/L	20.2	-	-	IS:3025(Part-21):2009; RA 2012 APHA 22 nd Edition 2340 C
10.	Mg Hardness as CaCO ₃	mg/L	8.1	-	-	APHA 22 nd Edition 2340 C
11.	Calcium as Ca	mg/L	8.1	75 (Max)	200 (Max)	APHA 22 nd Edition 2340 C
12.	Magnesium as Mg	mg/L	2.0	30 (Max)	100 (Max)	IS:3025(Part-40):1991; RA 2014 APHA 22 nd Edition 3500Ca B
13.	Chloride as Cl	mg/L	6.9	250 (Max)	1000 (Max)	IS:3025(Part-46):1994; RA 2014 APHA 22 nd Edition 3500Mg B
14.	Total Alkalinity as CaCO ₃	mg/L	29.8	200 (Max)	600 (Max)	IS:3025(Part-32):1988; RA 2014 APHA 22 nd Edition 4500Cl B
15.	P-Alkalinity as CaCO ₃	mg/L	Nil	-	-	IS:3025(Part-23):1986; RA 2014 APHA 22 nd Edition 2320 B
16.	M-Alkalinity as CaCO ₃	mg/L	29.8	-	-	APHA 22 nd Edition 2320B APHA 22 nd Edition 2320B





S.S.I. Reg. No.
190192100010

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/FM/55A

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)
HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

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Report No : ICI/W/19-20/233

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
17.	Iron as Fe	mg/L	<0.01	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003: RA 2012 APHA 22 nd Edition 3500-Fe B
18.	Sulfate as SO ₄	mg/L	<1.5	200 (Max)	400 (Max)	IS:3025(Part-24):1986: RA 2014 APHA 22 nd Edition 4500 SO ₄ ²⁻ E
19.	Phosphate as P	mg/L	<0.02	-	-	APHA 22 nd Edition 4500P D
20.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 22 nd Edition 3500As B
21.	Manganese as Mn	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 22 nd Edition 3111 B
22.	Silica as SiO ₂	mg/L	26.3	-	-	IS:3025(Part-35):1988, RA 2014 APHA 22 nd Edition 4500 SiO ₂ C
23.	Fluoride as F	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008 : RA 2013 APHA 22 nd Edition 4500 FD

Remarks:: Chemically unsatisfactory due to low pH.

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

For, Indicative Consultant India

Debasish Halder
(Sr. Chemist)
Signatory Authority



Towards Sustainable Growth

Note :

1. Test results shown in this test report relate only to the item tested.
2. This test report shall not be reproduce anywhere except in full and in same format without the approval of the laboratory.
3. Retention period of tested samples is 10 days from the date of issue of test report unless otherwise specified.



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 : wbpcbnnet@wbpcb.gov.in

Authorisation letter no.:

Memo No. 171 /2S(HW) -1942/2005

Date: 10.09.2018

FORM 2

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

Ref.: Application for extension of authorization dated 31/07/2017 for management & handling of hazardous & other waste.

M/s Visaka Industries Ltd. of Changsole, PO-Saivedpur, PS-Salboni, Dist-Medinipur (W), Pin-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 situated at Changsole, PO-Saivedpur, PS-Salboni, Dist-Medinipur (W), Pin-721147.

Details of Authorisation

Sl. no.	Category of Hazardous Waste as per the Schedule I, II and III of these rules	Authorized mode of disposal or recycling or utilization or co-processing etc.	Quantity (ton/annum)
1	15.2	Recycling in House *	600
2	15.1	Disposal to CHWTSDF *	0.048

*For detail refer to Specific Conditions.

2(1) Authorization shall be valid for a period up to 31/07/2020 w.e.f. the date of issue

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


[Chief Engineer]

Waste Management Cell

West Bengal Pollution Control Board

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 made 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 (Form 4) shall be filed by June 30th every year for the period ending 31st March of that year.

Specific conditions:

- i. The unit shall store all hazardous waste under shade in an environment friendly manner within the premises at designated place & shall not store hazardous wastes onsite for more than 90 days.
 - ii. The unit shall reuse asbestos wastes (rejected / damaged sheets) in the process. Non-recyclable asbestos wastes / residues shall be sent to the Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) following the manifest system (Form 10).
- Hazardous wastes accumulated on site shall be disposed immediately and a compliance report shall be submitted within three months.
- iii. Transport of hazardous waste shall be as per provision of Hazardous & Other Waste Management Rules, 2018 guidelines issued by the Central Pollution Control Board (CPCB) and rules made under the Central Motor Vehicles Act, 1988. The responsibility of safe transport shall be either of the sender or the receiver whosoever arranges the transport and this shall be clearly indicated in the manifest.
 - iv. Records of hazardous waste generation, storage and disposal shall be maintained in Form 3 properly and shall be made available to the inspecting officials of the State Board during inspection.
 - v. The unit shall update regularly the environmental information in Display Boards installed outside the main gate for access of general public as per the order of the Hon'ble Supreme Court dated 14/10/2003 in W.P. (C) No. 657 of 1995.
 - vi. Authorization will be revoked in case of non-compliances with any of the above conditions.

✓ M/s Visaka Industries Ltd.
Changsole, PO-Saiyedpur, PS-Salboni,
Dist-Medinipur (W), Pin-721147


Chief Engineer
Waste Management Cell
West Bengal Pollution Control Board

REGISTERED

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'

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



Consent Letter Number : C0109261

Memo Number : 7466 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. V. Isaka Industries WEST BENGAL

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

(hereinafter referred to as Applicant) for its unit located at Vill - Changsala - Po. Saiyedpur,
PS. Salboni - Medinipur (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

(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. Changsale, PO. Saiyedpur, P. Sahoni,
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.

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

West Bengal Pollution Control Board
 Regional Office

(4)

Consent to M/s. Visaka Industries Ltd.for its unit at Vill: Changsale, 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 facilitate 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-1	15	FlyAsh 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 fibre/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									

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

Environmental Engineer
West Bengal Pollution Control Board
Regional Office

ard

(5)

Consent to M/s. Visaka Industries Ltd.
 for its unit at Vill. Changsole, PO. Saiyedpur, P. 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.

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

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.

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 *Applicant* 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 Transport of Hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

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

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

Handwritten signature
17/1/19
Environmental Engineer
West Bengal Pollution Control Board
Regional Office

At: 1st Floor, 100A, 100B, 100C, 100D, 100E, 100F, 100G, 100H, 100I, 100J, 100K, 100L, 100M, 100N, 100O, 100P, 100Q, 100R, 100S, 100T, 100U, 100V, 100W, 100X, 100Y, 100Z, 100AA, 100AB, 100AC, 100AD, 100AE, 100AF, 100AG, 100AH, 100AI, 100AJ, 100AK, 100AL, 100AM, 100AN, 100AO, 100AP, 100AQ, 100AR, 100AS, 100AT, 100AU, 100AV, 100AW, 100AX, 100AY, 100AZ, 100BA, 100BB, 100BC, 100BD, 100BE, 100BF, 100BG, 100BH, 100BI, 100BJ, 100BK, 100BL, 100BM, 100BN, 100BO, 100BP, 100BQ, 100BR, 100BS, 100BT, 100BU, 100BV, 100BW, 100BX, 100BY, 100BZ, 100CA, 100CB, 100CC, 100CD, 100CE, 100CF, 100CG, 100CH, 100CI, 100CJ, 100CK, 100CL, 100CM, 100CN, 100CO, 100CP, 100CQ, 100CR, 100CS, 100CT, 100CU, 100CV, 100CW, 100CX, 100CY, 100CZ, 100DA, 100DB, 100DC, 100DD, 100DE, 100DF, 100DG, 100DH, 100DI, 100DJ, 100DK, 100DL, 100DM, 100DN, 100DO, 100DP, 100DQ, 100DR, 100DS, 100DT, 100DU, 100DV, 100DW, 100DX, 100DY, 100DZ, 100EA, 100EB, 100EC, 100ED, 100EE, 100EF, 100EG, 100EH, 100EI, 100EJ, 100EK, 100EL, 100EM, 100EN, 100EO, 100EP, 100EQ, 100ER, 100ES, 100ET, 100EU, 100EV, 100EW, 100EX, 100EY, 100EZ, 100FA, 100FB, 100FC, 100FD, 100FE, 100FF, 100FG, 100FH, 100FI, 100FJ, 100FK, 100FL, 100FM, 100FN, 100FO, 100FP, 100FQ, 100FR, 100FS, 100FT, 100FU, 100FV, 100FW, 100FX, 100FY, 100FZ, 100GA, 100GB, 100GC, 100GD, 100GE, 100GF, 100GG, 100GH, 100GI, 100GJ, 100GK, 100GL, 100GM, 100GN, 100GO, 100GP, 100GQ, 100GR, 100GS, 100GT, 100GU, 100GV, 100GW, 100GX, 100GY, 100GZ, 100HA, 100HB, 100HC, 100HD, 100HE, 100HF, 100HG, 100HH, 100HI, 100HJ, 100HK, 100HL, 100HM, 100HN, 100HO, 100HP, 100HQ, 100HR, 100HS, 100HT, 100HU, 100HV, 100HW, 100HX, 100HY, 100HZ, 100IA, 100IB, 100IC, 100ID, 100IE, 100IF, 100IG, 100IH, 100II, 100IJ, 100IK, 100IL, 100IM, 100IN, 100IO, 100IP, 100IQ, 100IR, 100IS, 100IT, 100IU, 100IV, 100IW, 100IX, 100IY, 100IZ, 100JA, 100JB, 100JC, 100JD, 100JE, 100JF, 100JG, 100JH, 100JI, 100JJ, 100JK, 100JL, 100JM, 100JN, 100JO, 100JP, 100JQ, 100JR, 100JS, 100JT, 100JU, 100JV, 100JW, 100JX, 100JY, 100JZ, 100KA, 100KB, 100KC, 100KD, 100KE, 100KF, 100KG, 100KH, 100KI, 100KJ, 100KK, 100KL, 100KM, 100KN, 100KO, 100KP, 100KQ, 100KR, 100KS, 100KT, 100KU, 100KV, 100KW, 100KX, 100KY, 100KZ, 100LA, 100LB, 100LC, 100LD, 100LE, 100LF, 100LG, 100LH, 100LI, 100LJ, 100LK, 100LL, 100LM, 100LN, 100LO, 100LP, 100LQ, 100LR, 100LS, 100LT, 100LU, 100LV, 100LW, 100LX, 100LY, 100LZ, 100MA, 100MB, 100MC, 100MD, 100ME, 100MF, 100MG, 100MH, 100MI, 100MJ, 100MK, 100ML, 100MM, 100MN, 100MO, 100MP, 100MQ, 100MR, 100MS, 100MT, 100MU, 100MV, 100MW, 100MX, 100MY, 100MZ, 100NA, 100NB, 100NC, 100ND, 100NE, 100NF, 100NG, 100NH, 100NI, 100NJ, 100NK, 100NL, 100NM, 100NN, 100NO, 100NP, 100NQ, 100NR, 100NS, 100NT, 100NU, 100NV, 100NW, 100NX, 100NY, 100NZ, 100OA, 100OB, 100OC, 100OD, 100OE, 100OF, 100OG, 100OH, 100OI, 100OJ, 100OK, 100OL, 100OM, 100ON, 100OO, 100OP, 100OQ, 100OR, 100OS, 100OT, 100OU, 100OV, 100OW, 100OX, 100OY, 100OZ, 100PA, 100PB, 100PC, 100PD, 100PE, 100PF, 100PG, 100PH, 100PI, 100PJ, 100PK, 100PL, 100PM, 100PN, 100PO, 100PP, 100PQ, 100PR, 100PS, 100PT, 100PU, 100PV, 100PW, 100PX, 100PY, 100PZ, 100QA, 100QB, 100QC, 100QD, 100QE, 100QF, 100QG, 100QH, 100QI, 100QJ, 100QK, 100QL, 100QM, 100QN, 100QO, 100QP, 100QQ, 100QR, 100QS, 100QT, 100QU, 100QV, 100QW, 100QX, 100QY, 100QZ, 100RA, 100RB, 100RC, 100RD, 100RE, 100RF, 100RG, 100RH, 100RI, 100RJ, 100RK, 100RL, 100RM, 100RN, 100RO, 100RP, 100RQ, 100RR, 100RS, 100RT, 100RU, 100RV, 100RW, 100RX, 100RY, 100RZ, 100SA, 100SB, 100SC, 100SD, 100SE, 100SF, 100SG, 100SH, 100SI, 100SJ, 100SK, 100SL, 100SM, 100SN, 100SO, 100SP, 100SQ, 100SR, 100SS, 100ST, 100SU, 100SV, 100SW, 100SX, 100SY, 100SZ, 100TA, 100TB, 100TC, 100TD, 100TE, 100TF, 100TG, 100TH, 100TI, 100TJ, 100TK, 100TL, 100TM, 100TN, 100TO, 100TP, 100TQ, 100TR, 100TS, 100TT, 100TU, 100TV, 100TW, 100TX, 100TY, 100TZ, 100UA, 100UB, 100UC, 100UD, 100UE, 100UF, 100UG, 100UH, 100UI, 100UJ, 100UK, 100UL, 100UM, 100UN, 100UO, 100UP, 100UQ, 100UR, 100US, 100UT, 100UU, 100UV, 100UW, 100UX, 100UY, 100UZ, 100VA, 100VB, 100VC, 100VD, 100VE, 100VF, 100VG, 100VH, 100VI, 100VJ, 100VK, 100VL, 100VM, 100VN, 100VO, 100VP, 100VQ, 100VR, 100VS, 100VT, 100VU, 100VV, 100VW, 100VX, 100VY, 100VZ, 100WA, 100WB, 100WC, 100WD, 100WE, 100WF, 100WG, 100WH, 100WI, 100WJ, 100WK, 100WL, 100WM, 100WN, 100WO, 100WP, 100WQ, 100WR, 100WS, 100WT, 100WU, 100WV, 100WW, 100WX, 100WY, 100WZ, 100XA, 100XB, 100XC, 100XD, 100XE, 100XF, 100XG, 100XH, 100XI, 100XJ, 100XK, 100XL, 100XM, 100XN, 100XO, 100XP, 100XQ, 100XR, 100XS, 100XT, 100XU, 100XV, 100XW, 100XX, 100XY, 100XZ, 100YA, 100YB, 100YC, 100YD, 100YE, 100YF, 100YG, 100YH, 100YI, 100YJ, 100YK, 100YL, 100YM, 100YN, 100YO, 100YP, 100YQ, 100YR, 100YS, 100YT, 100YU, 100YV, 100YW, 100YX, 100YY, 100YZ, 100ZA, 100ZB, 100ZC, 100ZD, 100ZE, 100ZF, 100ZG, 100ZH, 100ZI, 100ZJ, 100ZK, 100ZL, 100ZM, 100ZN, 100ZO, 100ZP, 100ZQ, 100ZR, 100ZS, 100ZT, 100ZU, 100ZV, 100ZW, 100ZX, 100ZY, 100ZZ

Dr. : December 05, 2018

CALIBRATION CERTIFICATE

M/s. Vivala Industries Limited,
Salbani Block, Dist. : Midnapore West Bengal,
PIN : 721147, West Bengal

This is to certify that the Personal Sampler & Analyser Model RPM 800 ISI No. 490-DT-2006, was duly calibrated by us. Details of units tested were calibrated against reference units are given below. Reference units used in calibration were duly calibrated against national standard units available with our records.

Sl. No.	Name of Unit	Calibrated using	Reference No.
1.	Rotameter	Soap Bubble Meter	142.8 197 dt. 12/11/2017
2.	Rotameter	Soap Bubble Meter	Valid upto 14-06-2019

VALIDITY : This calibration is valid upto 4th December, 2019. It is then recommended to get it recalibrated for good results.

1-1 MICROLOGIC SOFTWARE FOR R & D

(Authorized Signatory)

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ACKNOWLEDGMENTS

Reference No.

15 JUL 1997

ANAL. Calcd for $C_{10}H_{10}O_2$: C, 80.0%; H, 6.7%. Found: C, 79.8%; H, 6.6%.