



VISAKA INDUSTRIES LIMITED[®]

CIN: L52520TG198IPLC003072

Vill. : Kannawan P. S. Bachhrawan, Tehsil : Maharajganj, Distt. : Rae Bareli - 229301 (U.P.)
Mob. : 8176915519, 9721548535

To,
The Member Secretary,
UP Pollution Control Board,
TC-12 V, Vibhuti khand,
Gomtinagar,
LUCKNOW (U.P)

Date: 16-09-2022

Sub: Submission of Environmental Statement for F.Year 2021-22.

Dear Sir,

Here with we are submitting the Environmental statement for the financial Year 2021-22
The duly filled form -V along with Part A to Part- I attached for your ready reference.

Pl. acknowledges the same.

Thanking You,
Yours Faithfully,

For VISAKA INDUSTRIES LTD.

Mr. Dinesh Goutam
Works Manager



Received
Regional Officer
U.P. Pollution Control Board
Raebareli

आक प्राप्ति रसीद
प्राप्ति दिनांक 16-9-22
प्राप्तकर्ता के हस्ताक्षर
संयोजक प्रमुख निदेशक, उत्तर प्रदेश सरकार

C.C. Regional Officer, UPPCB, Raebareli-229301.

Corporate Office	: "VISAKA TOWERS" 1-8-303/69/3, S.P. Road, Secunderabad-500 003
Regd. Office & Factory	: (A.C. Division), Survey No. 315, Yelumala Village, R.C. Puram Mandal, Medak District - 502 300 (T.S.)
Factory : (A.C. Division II)	: Behind Supa Gas, Manikantham Village, Paramati - Velur Taluq, Namakkal District - 637 207, Tamil Nadu.
Factory : (A.C. Division III)	: 70/3, Sahajpur Industrial Area, Nandur (Village), daund (Taluka), Pune District-412 020, Maharashtra.
Factory : (A.C. Division IV)	: Changsol Mcuza, Bankibundh, GP.No. 4, Saliboniblock, Midnapore West (W.B.) 721147
Factory : (A.C. Division V)	: No. 27/1, G. Nagenahali Village, Kora Hobli, Tumkur - 572138, (Karnataka State)
Factory : (A.C. Division VI)	: Vill. Kannawan, PS Bachhrawan, Tehsil Maharajganj, Dist. Raibareli - UP-229 301
Factory : (A.C. Division VII)	: Survey No. 385, 386, Jujur Village, Veerullapadu Mandal, Near Kanchika Cherla, Krishna District-521 181 (A.P)
Factory : (A.C. Division VIII)	: Behind Supa Gas, Manikantham Village, Paramati - Velur Taluq, Namakkal District - 637 207, Tamil Nadu.
Factory : (Textile Division)	: Survey No. 179 & 180, Chiruva Village, Mouda Taluq, Nagpur District, Maharashtra.
Factory : (V-Boards Division I)	: Gajalapuram Village, Peddadevalapally Post, Tripuramam Mandal, Near Miryalaguda, Nalgonda Dist-508 207. (T.S)
Factory : (V-Boards Division II)	: Gate No. 262 to 269, Delwadi Village, Daund Taluq, Pune-Dist, Maharashtra-412 214

Scanned with CamScanner

Visaka Industries Limited, Unit:- Raebareli-229301

FORM - V

(See Rule 14)

Environmental Statement for the financial year ending the 31st March 2022

PART -- A

- | | | |
|---|--|--|
| 1 | Name & Address of the owner/
Occupier of the industry
Operation or Process | : Visaka Industries Limited
Village-Kannawan ,PO. Bachrawan
Tahsil - Maharajganj, Dist - Raebareli |
| 2 | Industry Category
Primary : (SIC Code)
Secondary : (SIC Code) | :
: Asbestos Cement sheets Products |
| 3 | Production Capacity -(Units) | : 3,20,000MT / Year |
| 4 | Year of establishment | : 2005 |
| 5 | Date of last environment
Statement submitted. | : 23.09.2021 |



PART -- B

Water And Raw Material Consumption

Water Consumption M3/Day at Maximum Production

a)	Process	295	M ³ / Day
	Cooling & Curing	17	M ³ / Day
b)	Domestic	40	M ³ / Day
c)	Gardining+Others	48	M ³ / Day
	Total	400	M ³ / Day

Process water consumption / Product Output

<u>Name of Product</u>	<u>During the previous Financial Year 2020-21</u>	<u>During the Current Financial Year 2021-22</u>
Asbestos Cement Corrugated Sheet and accessories	0.2278 MT	0.2166 MT

Raw Material Consumption

Name of the Raw Material	Name of the Product	Consumption of Raw Material per unit of output			
		During the previous Financial Year		During the current Financial Year	
		2020-21		2021-22	
Asbestos Fibre, Cotton Rag Pulp	Asbestos Cement Products	95.51	Kg/MT	88.5	Kg/MT
Binder (Cement , Fly ash Water)		647.11	Kg/MT	633.63	Kg/MT
Waste products Re- cycled (Sludge+Broken Pieces)		7.58	Kg/MT	6.78	Kg/MT
Electrical Power		28.23	U/MT	28.34	U/MT
Fuel (Furnace Oil)					
Note per 1 MT of Production Raw Material requirement is		750.20	Kgs	728.86	Kgs



<u>PART - C</u>			
Pollution discharged to environment per unit of out put (Parameter as specified in the consent issued)			
Pollutants	Quantity of Pollutant discharged(Kg/Day)	Concentration of pollution in discharge(Kg/ Vol)	% of variation from prescribed std. With reasons
Water	a) Waste water fully recycled to process b) Discharges	N A Nil	N A Nil
Air	0.018 Kg/day	SPM in the stack emission ie. Total dust Avg. 0.83 Mg/nm ³ (as par sample report)	Well within the limits Std. values as per UPPCB is 2.0 Mg / nm ³)
<u>PART - D</u>			
<u>Hazardous Wastes</u> (As specified under [Hazardous Waste Management ,Handling and Transboundary Movement) Rules , 2008])			
Hazardous Wastes		Total Quantity (Kgs)	
		During the previous Financial Year 2020-21	During the Current Financial Year 2021-22
a)	From process Sludge (mixture of Cemant, Fly ash & Asbestos)	Fully Recycle through wet ball Mill	Fully recycle through wet ball mill
	Asbestos Content 0.8%	Nil	Nil
b)	From pollution Control Facilities (re used)	Negligible	Negligible
Note : -- Discharge from air tight rotatry valve of the dust collector equipment is negligible and recycled to the process in wet form. The Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2016 notified vide S.O.2265(E), dated 24.9.2008.. The Environment 532 (Protection) Rules, 1986 -- 100%Recycling of process sludge is being done through Wet ball Mill & Sludge dissolver(Pulper)			



PART - E

SOLID WASTE

		<u>Total Quantity (MT.)</u>	
		During the previous Financial Year 2020-21	During the Current Financial Year 2021-22
a)	From process waste (Sludge)	15.815 MT	17.082 MT
b)	From pollution control facilities	Negligible	Negligible
c)	Quantity recycled or re utilised within the unit. (Hard Ground Waste) Broken Pieces	891.465 MT	928.408 MT

PART:- F

Please specify the characterisation (in terms of composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Sludge : It is in semi solids form and contains the fines mainly cement & flyash and to an extent asbestos dust. It is the reaction product of Cement + Flyash with water.

Chemical Form:- Silicates of lime , alumina & Magnesium.

Hazardous material contained in it is asbestos which does not undergoes any chemical changes and which mostly comprises the fine dust (fibrous form being embedded in the asbestos cement layer which is laminated & compacted to form the product.)

Asbestos fibre of the size of dia 3 micron to 5 micron which is the respirable fraction being aerodynamically proactive in the total fibre content is the hazardous fraction.
(In dry form) rest being harmless

As we have installed wet Ball Mill we are able to recycle total sludge quantity.
Through WBM and sludge recycling tank.

Solid Waste:-

High density waste (density around 1.4 g/cc)

Chemical form:- compound silicate of lime, Mg & Silica.

Total waste recycled through Wet -Ball Mill and Wet Pulper back to our process in our own premises .



PART:- G

Impact of pollution abatement measures taken on conservation of natural resources and on the cost of production.

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

		Toward Energy Spent		
		KW/Yr		Rs in Lacs
On dust collector running	Fibre	27582		2.78
	Cement	13844		1.39
	Fly Ash	14776		1.49
Wet scrubber at mill		1633		0.16
Wet ball mill and sludge recycling tank		128494		12.94
Fiber bag opener		14784		1.49
Bag shredding & recycling		27582		2.78
Total		228696		23.03

Towards Productivity.

By adding 12 Kg Per
Charge Precious Raw
Material Quantity to
that extent is saved
and Product output
around

0.68%



PART- H


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

Sr. no.	Budget ahead	Last year (2020-21)			Current year (2021-22)		
1	Capital Investment out lay & Utilised	Rs	36.10	Lac	Rs	36.10	Lac
2	Recurring Expenditure:-						
	Chemical	Rs	NA		Rs	NA	
	Power	Rs	22.68	Lac	Rs	23.03	Lac
	Manpower	Rs	40.98	Lac	Rs	37.26	Lac
	Sample Testing & Medical test	Rs	1.87	Lac	Rs	5.47	Lac
3	UPPCB administrating expenses (Concent fee, Lab, Fine etc)	Rs	1.25	Lac	Rs	4.75	Lac
4	Legal Issues	—	0.00			0.00	Lac
5	Miscellaneous (Green belt Plantaions, Water harvesting, Walfare, EHS- PPE's consumables etc)	Rs	4.01	Lac	Rs	13.99	Lac
	Total		70.79	Lac		84.49	Lac



PART - I

S.No.	<u>Any other particulars for improving the quality of the environment</u>
1	By adding water in Blendeer, the dust generation got reduced to a large extent while miling of fibre.
2	Maintaining regular housekeeping by wet moping at shop floor.
3	The Wet Scrubber discharge Airs first passed through a enclosed Chamber where it is subjected to a Continuous Water showering , before the Air is let out through the Stack with the water Showering what ever.
4	Dust present in the discharge Air gets trapped.
5	Zero effluent concept materilizes through wet ball mill,Pulper and Sludge recycling tank.
6	Silos made for all RM storaes & process consumption with appropiate dust collection system to reduce dust.
7	Regular plantation carried out at plant premises.
8	Celebrating employees birth day by one plantation inside the plant premises.
9	For awareness of green belt we have distributed sapling to our workers to plant at their own land.
10	For development of green belt at surrounding area we have planted saplings at near by villages.
11	Regular monitoring of Emissions, Ambient Air and air borne fibre dust by own and third party.
12	Continous awareness programme on plantation, work place safety, water conservation etc.
13	Celebrating Environment Week, Safety week ,Fire Safety week, Energy conservation etc.
14	Periodical Mock drill conducted for Fire, Any Accidents.


Mr. Dinesh Goutam
Works Manager
Visaka Industries Limited, Unit-Raebareli-229301

