



B.K. BIRLA GROUP OF COMPANIES

MANGALAM CEMENT LTD.



MANGALAM CEMENT LTD.

Regd. A/D

MCL/Env. Audit-117(II)/2023-2024/ 201935

14.09.2023

Sr. Environment Engineer (CPP)
Rajasthan Pollution Control Board,
4, Institutional Area,
Jhalana Doongari,
Jaipur, (Rajasthan)

Dear Sir,

Sub.: -Environmental Statement for the year 2022-2023

With reference to above subject, we are enclosing herewith an Environmental Statement Report for Fly Ash Handling Unit of M/s Mangalam Cement Ltd. situated at the premises of Kota Super Thermal Power Station, Kota for the period from April-2022 to March-2023.

This is for your kind reference please. Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully

For Mangalam Cement Ltd.

P. R. Chaudhary
Sr. Joint President (O) & FM

Cc to: - The Regional Officer
Rajasthan Pollution Control Board
Plot No. Spl. 2A, ParyavaranMarg
Road No. 6, Indraprasthalndl. Area
Kota - 324005

Regd. Office & Works : P.O. Aditya Nagar-326520, Morak, Distt. Kota (Raj.) CIN : L26943RJ1976PLC001705, Telefax : 07459 - 232156
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Kota Office : Shop No. 20, 80 Feet Road, Opp. Sukhdham Colony, (Near SBI Bank) Kota - 324001 (Rajasthan)
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**FORM-V
ENVIRONMENTAL STATEMENT**

(See rule 14)

Environmental Statement for the financial year ending with 31stMarch 2023

PART-A

1.	Name & address of the owner/ occupier of the industry/ operation or process	Sri. P. R. Choudhary Mangalam Cement Ltd. (Unit-I) Aditya Nagar, Village : Morak Distt: Kota (Raj.)Pin code : 326520
2.	Industry Category Primary – (STC Code) Secondary – (STC Code)	Fly Ash Silo
3.	Storage capacity	Silo 1 X 500 MT
4.	Year of establishment	2008
5.	Date of last environmental statement submitted	10.09.2022

PART –B

Water and Raw Material Consumption:

i) Water consumption in m³/day

Process: -NA

Cooling: - NA

Domestic: - NA

Name of Products	Process water consumption per unit of products	
	During the previous financial year (2021-2022)	During the current financial Year (2022-2023)
Fly Ash Handling	NA	NA

ii) Raw material consumption (Fly Ash Handling Silo)

Name of raw materials*	Name of product	Handling of Fly Ash (MT)	
		During previous financial year (2021-2022)	During Current financial year (2022-2023)
Fly Ash Handling	Fly Ash	128086.14	161780.44

*Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

iii) Power Consumption (KWH/T of Fly Ash):-

During Previous Financial Year	During Current Financial Year
15.07	13.15

iv) Total Production (MT):-

Production	During Previous Financial Year	During Current Financial Year
Fly Ash Handling	128086.14	161780.44

PART-C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants in discharged (mass/volume)	Percentage of variation from prescribed standards with reasons.
a) Water	NA		
b) Air	Please refer Annexure – I		

PART-D**HAZARDOUS WASTES**

(As specified under Hazardous Wastes (Management, Handling & Transboundary Movement Rules, 2016).

Hazardous Wastes	Total Quantity (Kg)	
	During previous financial year (2021-2022)	During Current financial year (2022-2023)
From Process	NA	NA
From pollution control facilities	Dust Collected in the bag filter is recycled in the system	

PART-E**SOLID WASTE**

Solid Wastes	Total Quantity (Kg)	
	During previous financial year (2021-2022)	During Current financial year (2022-2023)
1. From Process	NA	NA
2. From pollution control facilities	Dust Collected in the ESP's, bag house and bag filters are recycled to the system	
1. i) Quantity recycled or reutilised within the unit.	100 %	100 %
ii) Solid	NA	NA
iii) Disposed	NA	NA

PART – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1. Hazardous Waste :- NA
2. Solid Waste :- NA
3. Battery Waste :- NA
4. E-waste :- NA

PART-G

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

The Fly Ash Silo handling system M/s Mangalam Cement Limited is based on dry material handling mechanism & itself is on environmentally clean technology. The fugitive emission generated from fly ash handling system during ash feeding is controlled by bag filters installed at top of silos & fly ash loading points. Ash collected in bag filters is recycled back in system. Use of fly ash in cement plant helps in natural resources conservation which results in CO₂ emission reduction.

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution.

PART –I

MISCELLANEOUS:

Any other particulars in respect of environmental protection and abatement of pollution.

1. We have full-fledged Environment Department with three separate cells, for monitoring, maintenance of pollution control equipment and Green Belt development.
2. Monitoring of stack emission and ambient air is being done regularly.
3. Maintenance department is doing regular checking and scheduled maintenance of all the pollution control devices.
4. M/s Mangalam Cement Ltd. taking care of Housekeeping.

We are enclosing herewith following documents:-

Annexure – 1(a) & 1(b):- Stack, Ambient Air Quality Monitoring Results.

Fly Ash Handling Silo
M/s Mangalam Cement Ltd.
at Kota Thermal Power Station
Stack Monitoring Report
(All values are in Mg/Nm³)
Period: 2022-2023

S.No.	Month	Fly Ash Handling Silo Stack
Prescribed Standards		30
Average Result (April-2022 to March-2023)		18.89

Fly Ash Handling Silo
M/s Mangalam Cement Ltd.
At Kota Thermal Power Station
AMBIENT AIR QUALITY (All values in $\mu\text{g}/\text{m}^3$)
Period: 2022-2023

Location Month	Near Fly Ash Handling Silo				
	PM 10	PM 2.5	SO ₂	NO _x	CO
Limits	100	60	80	80	4000
Average Result (April-2022 to March-2023)	66.28	34.55	8.57	16.94	450

Fly Ash Handling Silo
M/s Mangalam Cement Ltd.
At Kota Thermal Power Station
AMBIENT NOISE MONITORING REPORT
(All values in dBA)
Period: 2022-2023

Date	Measured Noise Level (in dBA)	
	Near Fly Ash Handling Silo	
	Day	Night
Limit	75.0	70.0
Average Result (April-2022 to March-2023)	66.25	52.55