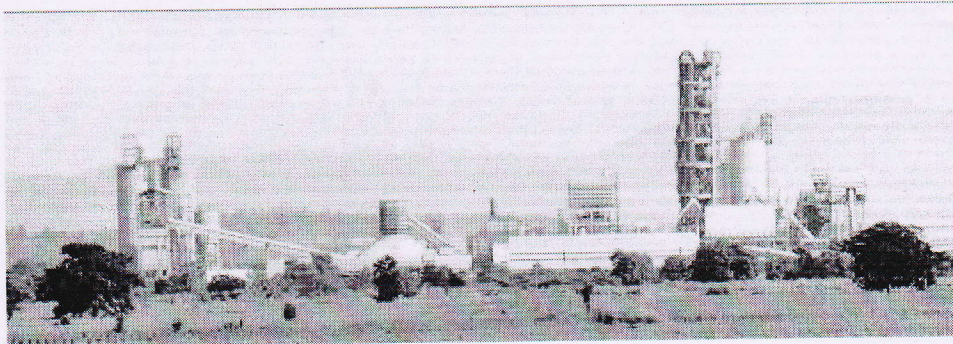


ENVIRONMENTAL STATEMENT (FORM V)

FINANCIAL YEAR 2019-20

Clinker: 3485 TPD
Cement: 5835 TPD
CPP: 16 MW



M/s. ANJANI PORTLAND CEMENT LIMITED,
(A Subsidiary of Chettinad Cement Corporation Limited)

Gudimalkapuram (Post),Chintalapalem(Village & Mandal)
Suryapet (Dist). T.S.

FORM – V

(See Rule 14)

Environmental Statement Report for Financial Year Ending 31st March 2020**Part – A**

- A. Name and address of the owner /occupier of the industry operation or process : N. Venkat Raju
Managing Director
M/s. Anjani Portland Cement Limited.,
Sy.No.226,Gudimalkapur (Post),
Chinthalapalem Village & Mandal,
Suryapet (Dist) T.S.
- B. Industry category Primary – (STC Code) : --
- C. Secondary- (SIC Code) : --
- D. Production capacity : Clinker: 3485 TPD
Cement: 5835 TPD
CPP: 16 MW
- E. Year of establishment : 2010
- F. Date of last environmental statement submitted : 13.09.2019
- G. Produced Quantity (2019-20) : Clinker: 7,34,442 TPA
Cement: 8,29,656 TPA
CPP: 76,511 MW

Part – B**Water and Raw Material Consumption**

1. Water consumption in m³/day: 77.0 m³ + 150 m³ (CPP)
Process : 56.0 m³ + 100 m³ (CPP)
Cooling : -- + 50 m³ (CPP)
Domestic : 21.0 m³

Name of the products	Process water consumption per unit of products (m ³ /Tonne of Product)	
	During the previous financial year (2018-19)	During the current financial year (2019-20)
Cement	0.0235	0.0290

2. Raw Material Consumption:

Name of raw materials	Name of products	Consumption of raw material per unit of output (MT of Raw materials/ MT of Product)	
		During the previous financial year (2018-19)	During the current financial year (2019-20)
1. Limestone	Cement/Clinker	1.4349	1.4010
2. Iron ore		0.0000	0.0000
3. Laterite		0.0191	0.0441
4. Granulated Slag		0.0172	0.0178
5. Casting Sludge		0.00004	0.0115
6. Fly ash in Raw Mill		0.0294	0.0020
7. Coal		0.1401	0.1415
8. Iron Sludge		0.0035	0.0036
9. Alternate Fuels (Spent Carbon, Organic Solid & Organic Liquid)		0.0158	0.0167
10. Chemical Gypsum		0.0431	0.0361
11. Spent Gypsum		0.0087	0.0178
12. Saltpan Gypsum		0.0004	0.0000
13. Gypsum Waste		0.0003	0.0000
14. Fly ash in Cement		0.1066	0.1018
15. Slag in Cement		0.0169	0.0189

Part – C
Pollution Discharged To Environment/Unit of Output
(PParameter as specified in the consent issued)

Pollutants		Quantity of pollutants discharged (mass/day)	Concentration s of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons	
a) Water	Pollutants	Kg/day	mg/L	%	Proper and timely maintenance of control equipments, all values are well within the prescribed standards.
Domestic Sewage	Total Suspended Solids	0.0302	19.0	-78.25	
	Biological Oxygen Demand	0.0381	24.0	-36.67	
	Oil & Grease	0.005	0.7	-93.75	
b) Air					
Emissions / Stack	Pollutants/Paramater	Kg/day	mg/Nm³	%	
Raw Mill-I	Particulate Matter	12.2	22.0	-27	
Kiln/RABH-I		84.2	20.0	-33	
ESP Cooler-I		317.5	27.0	-10	
Coal Mill-I		7.2	24.0	-20	
Cement Mill-I		7.4	19.0	-37	
Cement Mill-II		25.4	23.0	-23	
Kiln/RABH-II		121.0	24.0	-20	
ESP Cooler-II		109.5	25.0	-17	
Coal Mill-II		26.8	22.0	-27	
Cement Mill-III		18.7	26.0	-13	
CPP		84.5	29.0	-42	

Part – D
Hazardous Waste
As specified under

Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Hazardous waste	Total Quantity (MT)	
	During the previous financial year (2018-19)	During the current financial year (2019-20)
a) Form Process		
Used/Waste Oil	10.6 KL	7.84 KL
Hi-Chrome Balls	Nil	Nil

Part – E
Solid Waste

Solid waste	Total Quantity (Tonnes)	
	During the previous financial year (2018-19)	During the current financial year (2019-20)
A. From process	Nil	Nil
B. From pollution control facilities	Nil	Nil
C.		
1. Quantity recycled or re-utilized within the unit (Flyash)	19407	14110
2. Sold	Nil	Nil
3. Disposed	Nil	Nil

Part – F

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

There are 7,840 MT/Year of Waste Lube Oil and 0 No's of Lead Acid Batteries are generated from the plant. Waste Lube Oils are stored in drums and and incinerated in the kiln.

There is no generation of solid waste from this unit. The intermediate products, raw mill, clinker, cement mill and finished product collected in various pollution control systems are being recycled into the main process.

Part – G

Impact of the Pollution Control Measures on Conservation of Natural Resources and Consequently On the Cost of Production

Sewage Treatment Plant with capacity 200 KLD was installed for treatment of domestic water from colony and cement plant. STP treated water is being used for greenbelt development purpose. Thus, same amount of fresh water was saved.

Alternate fuels are being used as fuel for conserving Coal and natural resources.

Alternate raw materials like slag, Fly ash casting sand etc., are being used as additives to save natural resources like limestone, laterite etc.,

Adequate measures taken to maintain clear environment in and around the factory premises. There is a bare minimum impact on the surrounding environment. Cost of production is slightly increased due to the pollution control measures.

Part – H

Additional Investment for Environmental Protection Including Abatement of Pollution

- An amount of 30 lakhs incurred towards capital expenditure for providing pollution control equipment such as Bag House, CEMS for Cement Mill and storage facilities for materials.
- An amount of 122 lakhs incurred towards PCEs operation & maintenance, STP operation, Greenbelt development and maintenance.
- Greenbelt was developed in an area of about 20.0 ha with 60,000 no's of plants at Cement Plant and Colony as on 31.03.2020. Proposed greenbelt development for 2020-21 is with 5000 saplings.

PART – I

Any Other Particulars for Improving the Quality of the Environment

- Remote calibration equipment installed for SO₂ & NO_x analysers as prescribed by CPCB.
- Coal Mill-I main Bagfilter planning to install(upgradation) in 2020-21 for controlling stack emissions.
- 02 no.s of bag filters are planning to install in 2020-21 for controlling fugitive emissions.



Authorized Signatory

N Venkat Raju

Managing Director