

PREPARATION OF ENVIRONMENTAL STATEMENT
(For the Financial year ending March 31st 2019)

THE K.C.P. LIMITED

(Cement Unit-1)

Macherla

Guntur (Dist) - 522 426.

Report prepared by:

M/s. SRI DURGA CIVIL & ENVIRO CONSULTANTS

Labbipet,

VIJAYAWADA- 10.

ACKNOWLEDGEMENT

M/s. Sri Durga Civil & Enviro Consultants express thanks to M/s THE KCP LTD., (CEMENT Unit-1) for the opportunity given by assigning the task of preparation of Environmental Statement for the financial year 2018-2019 for their Cement plant-1 at Macherla, Guntur (Dist) of A.P. The data so generated is completed in form V and is presented in this report. The services rendered by the officials of M/s. THE KCP LTD., Especially Sri B.V.P.S Chowdary Sr.General Manager (CPU), Sri. B. Srinivasa Rao Sr.Manager (Quality Control), Sri I. Vijay Kumar Raju, Accounts officer for their co-operation in this regard. We also thanks to the staff who also offered their services in data collection and in the preparation of Environmental Statement.

For Sri Durga Civil & Enviro Consultants

Y. Sri Krishna

(Y.SRI KRISHNA)



FORM - V
(See Rule 14)
ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR
31st MARCH 2019.

PART – A

- 1) Name and address of the owner/ : **Sri V.L.DUTT,**
Occupier of the industry : Executive Chairman
Operation or process : M/s. THE K.C.P. LIMITED
(Cement Unit-1)
Macherla, Guntur (Dist),
A.P. - 522 426.
- 2) Industry Category : Red
- 3) Production Capacity (Units) : Cement - 2500 TPD
- 4) Year of Establishment : 1989
- 5) Date of the last environmental : September 2018.
Audit report submitted.

PART - B
WATER AND RAW MATERIAL CONSUMPTION

- 1) Water consumption : 845 m³/day
- PROCESS : NIL
- COOLING : 297 m³/day
- Waste Heat Recovery : 333 m³/day
- DOMESTIC : 197 m³/day

Name of Products	Water Consumption Per Unit of Products (m ³ /T)	
	During the previous Financial year 2017-2018	During the current Financial year 2018-2019
Process water consumption (i.e. Cooling) per unit of product output (m ³ /T) Ordinary Portland Cement	0.15	0.13

ii) **Raw Material Consumption**

Name of the raw materials	Name of Product	Consumption of raw material per MT of output (MT)	
		During the previous Financial year 2017-2018	During the current Financial year 2018-2019
1. Limestone	Raw mix for Clinker	1.391	1.391
2. Additive	Raw mix for Clinker	0.058	0.061
3. Coal	Clinker	0.158	0.1566
4. Gypsum	Cement	0.042	0.043
5. Fly Ash	Cement	0.194	0.2033

PART – C
POLLUTION GENERATED
(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollution Discharged (mass/volume) Kg/day	Concentration of Pollutants in Discharges (mass/volume) Mg/ltr	Percentage of Variation for prescribed Standards with reasons
a) WATER	265.8	6.85	All Parameters are within Limits
P ^H	13.05	1772	
TDS	13.5	87	
TSS	3.9	90	
COD		26	
BOD			
Note: The quantity of effluent generated is 150 KLD. No Effluent is generated from process. Domestic effluents are being sent to sewage treatment plant. After treatment it is reused for gardening.			
b) AIR (SPM)			
Stack attached to		SPM	
1. Kiln & Raw mill	132.1 kg/day	24.83 mg/Nm ³	All Parameters are within Limits to the standards stipulated by A.P. Pollution Control Board
2. Coal mill	27.84 kg/day	26.73 mg/Nm ³	
3. Cooler	102.3 kg/day	24.3 mg/Nm ³	
4. Cement Mill	43.04 kg/day	25.68 mg/Nm ³	

PART – D

HAZARDOUS WASTE

(As specified under Hazardous wastes/Management and handling) rules, 1989

Hazardous Wastes	Total Quantity	
	During the previous Financial year 2017-2018	During the current Financial year 2018-2019
Waster Oil Barrels	2150	---
Used Batteries	---	---
Non –ferrous metal Scrap (hy-chrome grinding media)	---	---
Lead Acid Batteries	---	125 No's

Note: Lead Acid batteries dispatched to M/s. Supreme Batteries (P) Ltd, Mahabubnagar.

**PART – E
SOLID WASTES**

	Total Quantity (Ton /Year)	
	During the previous Financial year 2017-2018	During the current Financial year 2018-2019
a) From Process	----	----
b) From Pollution Control Facility	----	----
c) Quantity recycled or re-utilized	----	----

PART – F

Please specify the characteristics (in terms of concentration and Quantum) of Hazardous as well as solid wasters and Indicates disposal practice adopted for both these categories of wastes.

There is no hazardous and solid waste generated from the process.

The intermediate products, raw materials and finished product collected in various pollution control equipments are being recycled into the process.

PART - G

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

M/s **The KCP Limited**, Cement Unit-1 has taken proper measures for reducing pollution with respect to water, air, solid wastes and also in the development of greenbelt in and around the factory premises.

WATER POLLUTION:

There is no water using in the process. The water is used for machinery cooling and domestic purpose. The domestic effluent from the colony is being sent to sewage treatment plant for treatment. After treatment it is used for gardening and plantation.

AIR POLLUTION:

Bag filters were installed to control fugitive emissions .All stacks are being regularly monitored by third party laboratory. The results show that the emissions like suspended particulate matter, sulphur dioxide and oxides of nitrogen are with in the limits to the standards stipulated by A.P.Pollution Control Board.

The management is giving top priority for abating pollution and also for augment of greenbelt by planting variety of saplings at different places of plant area and also in Macherla town. 900 nos. of Saplings are planted at nearby villages of Macherla town on eve of world environment day and JMD's birthday. Water spraying on roads is being done regularly to control fugitive emissions. The steps taken by the management has reduced the impact of pollution on the surrounding environment.

PART – H

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

Green belt is developed and it is being maintained .**THE K.C.P. LIMITED** (CPU-1) has already spend around Rs.4 crores to control the air pollution from their plant. They are spending about Rs.40,00,000/- per month towards maintenance and operation of pollution control equipment. The cost incurred for replace of the bags is about 5.33 Lakhs. This year, the management has invested 65.76 lakhs towards replace cages and bag house accessories. After treatment, the STP water is used for the development of greenbelt and also for spraying on roads to control the dust concentration. The management has installed continuous online monitoring facility for stacks & ambient air quality monitoring and connected the same to APPCB web site. During the year 2018-19 the management has planted 2500 No's of saplings like plant Neem, Conocorpus, Badam, Maddi & Ganuga etc., in the plant premise. The management considered MD's birthday as Environment day and procured the saplings from KADIYAM at a cost of Rs.1,00,000/- and also conducted free medical camp for women and distributed free medicines to all participants. The management performed puja in lord Sri Lakshmi Chennakesava Swamy Temple and provided lunch to the poor people. On the occasion of executive chairman's birthday free eye camp conducted for 300 persons. IOL operation have done for 50 persons and the entire cost is Rs.1,00,000/-. The management is giving priority for CSR activities and also for improving the green belt.

PART – I

Any other particulars for improving the quality of environment.

The management will take efforts to maintain good and safe environment in the premises.