



REGD. POST WITH ACK. DUE
 CONSENT ORDER FOR ESTABLISHMENT

Order No. APPCB/VJA/VJA/232/CFE/EO/2011 **3D14** Dt. 19.12.2011



Sub: PCB- CFE- M/s. Tho KCP Limited Sy. No. 1112/B, Macherla, Guntur District - Consent for Establishment of the Board for installation of new cement mill under Sec.25 of Water (P & C of P) Act, -1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - Issued - Reg.

- 1) CfO order No. APPCBNJANJA/232/HO.CF0/2011-2 42, dt. 21.03.2011
- 2) Industry's application received & through SWCC on 17.9.2011
- 3) R.O's inspection report dt. 27.09.2011
- 4) CFE Committee meeting held on 24.11.2011

1. In the reference 2"d cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for establishment of additional cement mill of capacity 115 TPH with an investment of Rs. 23.17 Crores. The existing two cement mills will be kept as standby use during maintenance shutdown of new cement mill. There shall not be any increase in production capacity after installation of new cement mill.

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2. As per the application, the above activity is to be located within the existing plant premises located at Sy. No. 1112/B, Macherla, Guntur District.

3. The above site was inspected by the Asst. Environmental Engineer, Regional office, A.P Pollution Control Board on 26.9.2011.

4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues CONSENT FOR ESTABLISHMENT FOR ESTABLISHMENT OF NEW CEMENT MILL OF CAPACITY 115 TPH Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules thereunder. This order is issued to the activity as mentioned at para (1) only.

5. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

End: Schedule 'A'
 Schedule 'B'

Sd/-
 MEMBER SECRETARY

To
 M/s. Tho KCP Limited
 (Installation of new Cement mill)
 Sy. No.1112/8, Macherla, Guntur District

Copy to: 1. The JCEE, Z.O., Vijayawada for information and necessary action.
 The E.E., R.O, Guntur for information and necessary action.

///T.C.F.B.0/11

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i/J'JNT CHIEF ENVIRONMENTAL ENGINEER(CFE)

SCHEDULE -A

1. Progress of Implementation of the project shall be reported to the concerned Regional Office, P. Pollution Control Board once in six months.
2. Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed.
3. The proponent shall obtain Consents for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.
4. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alteration as deemed fit and stipulate any additional conditions by the Board.
5. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
6. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
7. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find its way in storm drains or open areas. The industry shall maintain a good housekeeping. All pipe valves, sewers, drains shall be leak proof. Dyke walls shall be constructed around storage of chemicals.
8. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water harvesting structure.
9. The rules and regulations notified by Ministry of Law and Justice regarding the Public Liability Insurance Act, 1991 shall be followed. Since, GOI,
10. This order is valid for period of 5 years from the date of issue.

SCHEDULE-S

Water:

1. The maximum permitted water consumption for cement mill is 46 KLD.

5. No.	Purpose	Quantity (KLD)
i)	Cooling Makeup	45.0 KLD (Re circulation)}
ii)	Domestic & Gardening	
Total		1.0 KLD
		1.0 KLD



2. The maximum Waste Water Generation (KLD) from new cement mill shall not exceed the following:

S. No.	Source	Quantity (KLD)
1)	Domestic& Gardening	0.0 KLD

Treatment & Disposal :

Sl. No	Effluent source	Treatment	Modo of final disposal
1	Domestic	STP	Onland for gardening after treatment

3. The effluents shall be treated to the on land for irrigation / surface water / marine water/ sewer standards, as stipulated under Schedule VI of Environment (Protection) Rules, 1986, notified by Ministry of Environment and Forests. Government of India vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof.
4. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
- Industrial cooling, boiler feed.
 - Domestic purposes.
 - Processing, whereby water gets polluted and pollutants are easily bio-degradable.
 - Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.
5. The Air pollution Control equipment shall be installed along with the commissioning of the activity and shall comply with the following for controlling air pollution from new cement mill.

Sl. No	Details of Stack	Stack 1
a)	Attached to:	Cement mill)
b)	Capacity	115.0 TPH
c)	Stack height:	47m
d)	Control Equipment	Bag filters
e)	Cone. of particulate matter	<50 mg/Nm ³

6. The industry shall install one Continuous AAQ monitoring station at dominant wind direction in the plant premises by January, 2016.
7. The industry shall achieve the particulate matter in the stack emission standards less than 50 mg/Nm³ from cement plant.

8. The industry shall provide bag filters at clinker & Gypsum h°Pekper ma i: classifier and shall achieve the particulate matter in t e s¹ a e standards less than 50 mg/NmJ.
9. The Bag fillers proposed to install shall be designed such that 25%t of additional capacity is available as buffer .to meet the emergency reqUJremen s.
10. The industry shall cover all the raw material transfer point conveyer belts with GI sheets . Water spraying system and dust suppress!on system shall b provided all a ound the coal, iron ore, lime stone stock p1le sheds and around the conveyor system.
11. The industry shall provide concrete roads in the plant to avoid the fugitive dust emissions. Vacuum / pneumatic dust collection system shall be used for cleaning the internal roads.
12. The industry shall install online monitoring equipments for the major stacks viz., Raw mill/ Kiln & Clinker cooler and shall provide facility for on line display in the PLC control room.
13. Fixed ambient air stations shall be provided in the core zone as well as in the buffer zone for monitoring PM₁₀, PM_{2.5}, SO₂ and NO_x in wind word direction and in the nearest village / habitation in which peak ground level concentration is level is expected in consultation with concerned Regional Officer of APPCB. Monthly reports of the same shall be submitted to the Regional Officer along with trend analysis.
14. The continuous online stack monitoring & ambi"Emt air quality monitoring data shall be networked with the APPCB, H.O for web display.
15. The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, Gol vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.
16. A sampling port with removable dummy of. not less than 15 em diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
17. The proponent shall provide Interlocking system between air pollution control equipment / ?nline monitorin system and raw material feeding system so that the feedmg of raw matenal shall be stopped automatically incase the air pollution contr l equipments fails. Concentration of pollutants in the emissions exceeding the prescribed standards.
18. Efforts shall be made to reduce impact during transport of the raw mate ials and end products on t e surrounding environment including agricultural land. All th_e raw materials Including fly ash shall be transported in the .closed contamers only and should not be overloaded . Vehicular emissions shall be kept under control and _shall be regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of raw minerals to the plant. The vehicles shall be covered with a tarpaulin and shall not be overloaded.

19. The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.

Solid Waste:

20. Provisions shall be made to the cement kiln to use spent carbon, spent solvent, etc., to use as fuel in the kiln. Spent Acid shall be used for production of Gypsum. The industry shall make necessary arrangements in this regard.
21. All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices shall be 100% recycled and reused in the process and used for cement manufacturing. Solid waste from sewage treatment plant (STP) shall be used as manure. No solid waste shall be disposed off from the cement plant. Overburden from mines shall be used for Afforestation purposes in the plant and mine area. Spent oil, grease and grinding media shall be disposed to licensed vendors.
22. An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly. The company shall keep the record of the waste utilized and shall submit the details to the concerned Regional Office, APPCB along with flue gas monitoring reports as & when Haz. Waste is used along with regular fuel.
23. The industry shall carry out the analysis of the trace metals like mercury, chromium, lead, arsenic, uranium, etc in the all the raw material like lime stone, gypsum, fly ash, slag, coal, etc and the analysis report shall be regularly submitted to the concerned Regional Office., APPCB.
24. The following rules and regulations notified by the MoE&F, Govt shall be implemented.
- a) Hazardous waste (Management, Handling and Transboundary Movement) Rules, 2008.
 - b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
 - d) Fly ash notification 8.0.2804 (E), dt. 3.11.2009.
 - e) Batteries (Management & Handling) Rules, 2010.

Other Conditions:

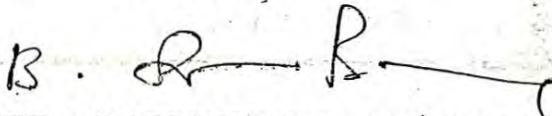
25. Existing green belt shall be augmented to cover minimum area of 33% of total area. Existing Green belt shall not be distributed in the proposed construction activity.
26. The existing cement mills shall be kept standby during operation of the new cement mill of 115 TPH capacity. There shall not be any increase in production capacity after Installation of new cement mill.
27. The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures in the form of acoustic enclosures, silencers, etc., on all sources of noise generation.
28. The industry shall produce PPC grade cement @ minimum 20% of OPC grade cement.

29. .The proponent shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.
30. The proponent shall comply with all the directions issued by the Board from time to time.
31. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
32. The Board reserves its right to modify above conditions or stipulate any additional conditions in the interest of environment protection.

**Sd/-
MEMBER SECRETARY**

To
M/s. The KCP Limited
(Installation of new Cement mill)
Sy. No. 1112/B, Macherla, Guntur District

/// T.C.F.B.O///


JOINT CHIEF ENVIRONMENTAL ENGINEER(CFE)