

F. No. J-11011/21/2014-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change

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Dated: 28th April, 2015

To

M/s Sree Jayajothi Cements Ltd. (My Home Industries Ltd.)
9th Floor, Block-3, Myhome Hub, Madhapur
Hyderabad-500081

Email: corp@myhomegroup.in: Fax No.- 91 40 66929798

Subject: Expansion project for increase of clinker production by process modification from 1.8 MTPA to 2.2 MTPA of M/s Sree Jayajothi Cements Ltd. (My Home Industries Ltd.) at village Yanakandla, Mandal Banaganapalle, dist. Kurnool, A.P.-Environmental Clearance regarding.

Sir,

This has reference to your letter No. Nil dated nil received in the Ministry on 12th November, 2014 along with copies of EIA/EMP report seeking environment clearance under the provisions of the EIA Notification, 2006. The Ministry of Environment, Forest and Climate Change prescribed ToRs to the project vide letter of even number dated 18.07.2014 for preparation of EIA/EMP report.

2.0 The Ministry of Environment, Forest and Climate Change (MoEFCC) has examined the application for the project cited above. It is noted that the proposal is for increasing production of clinker from 1.8 MTPA to 2.2 MTPA by process modification in the Cement Plant of M/s Sree Jayajothi Cements Ltd. which is 100% subsidiary of M/s My Home Industries Ltd. The EC for the existing project was accorded vide letter No. J-11011/450/2007-IA-II(I) dated 18.07.2008. There are no National Parks/Sanctuaries within 10km of the study area. Nearest forests are Rangapuram RF (2.2km W) and Yanakondla RF (0.6km W). The total project area is 67.58 ha and is fully acquired and owned by SJCL. No forestland is required. No additional land area is required. Limestone is to be obtained from captive Limestone Mine – Yanakandla Mines for which EC was obtained in 2011. Total water requirement is 1180m³/d for existing project. No additional water requirement proposed for the expansion project. A total of 8.57 ha of the plant area is under green belt. Balance area of 13.73 ha will be developed during the next 5 years to attain 33% of the total land area. The break-up of land area after modernisation is



proposed as: Cement Plant - 12.43ha, Open Area – 32.85 ha and greenbelt 22.30ha. No industries except slab stone quarries are located within 10km radius of the study area. MRL of the project site is 240m above MSL and that of River Jureru at 4.2km is 230m. The cost of the project is 22 crore. The plant and mine has given direct employment to 320 people. PP will contribute Rs 1.1 crores for CSR measures over a period of 5 years for need based activities in the broad sectors of education, health, infrastructure, sustainable development & livelihood and social issues.

Raw Material	Quantity (in MTPA)			Mode of Transport
	Before Expansion	After Expansion	Sourced From	
Limestone	2.349	2.87	Yanakandla Mines	Closed belt conveyor
Coal	0.306	0.374	Imported	Road/Rail (railway line being laid)
Bauxite	0.261	0.159	Maharashtra/Rajmundhry	Road
Gypsum	0.160	0.160	Sterlite Industries, Tuticorin	Road
Slag	1.24	1.24	JSW, Bellary	Road

3.0 Limestone transport form captive limestone mine is by closed conveyor. No additional material will be transported by road. Additional clinker production from expansion will be despatched to clinker grinding unit by rail and hence no anticipated impacts on nearby villages/habitation.

4.0 Modernisation involves dry process of cement manufacture utilising pre-calciner technology. In addition, technological improvements in grinding, homogenisation, pre-calciner, as well as cement packing has been incorporated. A Waste Heat Recovery Boiler (WHRB) has not been considered. Hot gases from kiln and cooler are used for slag drying.

5.0 High efficiency type bag filters for control of fugitive dust have been installed in the following areas – crushing plant, Raw Mill hoppers, Coal Mill hoppers, Blending Silo, Cement Mill hoppers, Cement silo and all belt conveyor transfer towers. In addition, pollution control devices include a bag house at raw mill/kiln, bag filter at coal mill, ESP at Cooler, Bag filters at cement Mill and Slag Mill. All the flue gases have been provided with air pollution control devices/equipment with a control efficiency of 99.8-99.9% to maintain particulate emission levels below 50mg/Nm³.

6.0 Water table is in the range of 20-30m below ground level (bgl). Rainwater harvesting will be constructed and rainfall runoff (annual rainfall is 600mm) will be routed into the rainwater harvesting pits. Water requirement of 1180 m³/d of which Cement Plant (1020 m³/d) and domestic (160m³/d) is met from Srisailam Right Bank Canal, for which permission has been obtained from Irrigation & CAD Department, Govt. of A.P. vide G.O. Ms No. 71 dated 08.08.2013. No wastewater generated from the

Cement Plant. Wastewater from colony is 128m³/d which will be treated in sewage treatment plant and used for green belt development.

7.0 The proposed project activity is listed at S.No. 3(b) under Category 'A' of the Schedule of EIA notification 2006 and appraised by the Expert Appraisal Committee (Industry) of MoEFCC.

8.0 Dust collected from the cement plant will be reused in the cement plant process. No solid wastes generated requiring disposal. Slag from ISP to the tune of 1.4 MTPA is being used in cement kiln. Ash (1000 TPD) being obtained from Rayalseema TPS located at a distance of 140km by 50 trucks and through closed bunkers and transferred into silos using a pneumatic pipeline. All stockpiles are provided with paved floors to avoid leaching of materials to groundwater. Unit is complying with CREP conditions.

9.0 The proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) during its 27th meeting held on 13th – 14th November, 2014. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Certified compliance report of the RO, Bangalore has been furnished and EC conditions for the existing project found to be complying. P.H. has been exempted in the TOR vide provisions of clause 7(ii) of the EIA Notification 2006. Earlier P.H. was conducted on 04.12.2007.

9.0 Based on the information submitted and presentation made by you and your consultant M/s B. S. ENVI-TECH (P) LTD, Hyderabad, the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General conditions:


A. SPECIFIC CONDITIONS:

- i. The expansion project shall comply with the new MOEFCC Standards vide GSR 612 (E) dated 25.08.2014 with respect to particulate matter, SO₂, NO_x for Cement sector.
- ii. Continuous stack monitoring facilities to monitor gaseous emissions from the process stacks shall be provided. After expansion, limit of PM₁₀ shall be controlled to prescribed standards by installing adequate air pollution control system. Electrostatic precipitators to clinker cooler, bag house to raw mill/kiln and bag filters to coal mill and cement mill. Low NO_x burners shall be provided to control NO_x emissions. Regular calibration of the instruments shall be ensured.
- iii. All the pollution control devices/equipment in raw mill/kiln, kiln feeding system, clinker cooler, coal mill, cement mill, and cement silo, shall be interlocked so that in the event of the pollution control devices/systems not working, the respective unit(s) shut down automatically.



- iv. Possibilities shall be explored for the proper and full utilization of gases generated from the kiln in waste heat recovery boiler (WHRB) and a feasibility report shall be prepared and an a plan for implementation submitted to MOEFCC, RO, Bangalore.
- v. Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.
- vi. Storage yards shall be lined and covered.
- vii. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials shall be transported in the closed containers only and shall not be overloaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored.
- viii. Total fresh water requirement after the proposed expansion for cement shall not exceed 1180 m³/day. No ground water shall be drawn for the proposed expansion.
- ix. Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.
- x. Rain water harvesting plan shall be prepared and shall supplement the water requirements of the project. The Plan shall be submitted to Regional Office of the Ministry at Bangalore within 3 months from the date of issue of the letter.
- xi. Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent.
- xii. Plan for use of fly ash in making Pozzolona Portland Cement (PPC) shall be prepared only after ascertaining its radioactive level shall fly ash be supplied for utilization in cement manufacturing.
- xiii. The proposed cement plant kiln shall be provided with a flexible fuel feeding system to enable use of hazardous wastes such as oil sludge, cut tyres, etc. The proponent shall examine and prepare a plan for utilisation of high calorific wastes such as chemical wastes, distillation residues, refuse derived fuels, etc as alternate fuels based on availability and composition. For this, the proponent shall identify suitable industries with such wastes and enter into an MOU for long-term


utilisation of such wastes as per the E(P) Rules, 1986 and with necessary approvals.

- xiv. All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers /reprocessors only.
- xv. Green belt shall be developed in at least 33 % area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.
- xvi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.
- xvii. All the commitments made to the public during the Public Hearing / Public Consultation meeting held on the project for the existing EC shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bangalore.
- xviii. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing Issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bangalore. The proponent shall prepare a detailed CSR Plan for every next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and local administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO, Bangalore. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.
- xix. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- xx. Risk Assessment Study and Disaster Preparedness and Management Plan with a focus on Disaster Prevention along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bangalore, SPCB and CPCB within 3 months of issue of environment clearance letter. 


B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Andhra Pradesh Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the MoEFCC.
- iii. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM₁₀, PM_{2.5}, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Chennai and the SPCB/CPCB once in six months.
- iv. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- v. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- viii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- ix. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the MoEFCC as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Chennai. The funds so provided shall not be diverted for any other purpose.
- x. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if

any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.

- xi. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEFCC at Chennai. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Chennai / CPCB / SPCB shall monitor the stipulated conditions.
- xiii. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Chennai by e-mail.
- xiv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the MoEFCC at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Chennai.
- xv. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
10. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
11. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. 

12. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


(Dr. Satish C. Garkoti)
Director

Copy to:-

1. The Secretary, Department of Environment, Govt. of Andhra Pradesh.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. The Chairman, Andhra Pradesh State Pollution Control Board, A-3, Industrial Estate, Santathnagar, Hyderabad-500018, Andhra Pradesh
4. The Additional Principal Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment, Forests and Climate Change (MoEFCC), 1st and 2nd Floor, HEPC Building, 34, Cathedral Garden Road, Nungambakkam, Chennai – 600 034
5. Guard File / Record File/Monitoring file.


(Dr. Satish C. Garkoti)
Director