

F. No. J-11011/701/2009-IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003

E-mail: vp.upadhyay@nic.in
Telefax: 011: 2436 2875

Dated: 14th June, 2013

To,

M/s Supra Steel & Power Pvt. Limited
Plot No. 7, 4th Cross, Nanda School Road,
Vidyanagar West, Bellary - 583 104,
Karnataka

Fax: 08392- 243636

E-mail: suprasteels@yahoo.com

Sub: Expansion of Sponge Iron Plant from 50 TPD to 200 TPD along with installation of Induction Furnace (30,000 TPA), Rolling Mill (75,000 TPA) and Captive Power Plant (4 MW) ay Sy. No. 276, Village Halkundi, Taluk & District Bellary, Karnataka by M/s **Supra Steel & Power Pvt. Limited - regarding Environmental Clearance**

Ref: i) MoEF letter no. J-11011/701/2009 - IA II (I) dated 10.1.2013
ii) Your letters No.Nil dated 29.1.2013

Sir,

This is in continuation of this Ministry's letter referred above and your letter under reference, wherein you have requested for rectification in the sponge iron plant capacity as 200 TPD instead of 150 TPD and also in the subject matter as "Expansion of Sponge Iron Plant from 50 TPD to 250 TPD" instead of "Expansion of Sponge Iron Plant from 50 TPD to 200 TPD" of the environmental clearance (EC) dated 10.1.2013.

2. The Ministry of Environment and Forests has examined the request submitted by you. In this regard, it is requested to submit the revised utilities requirement and Environmental Management Plan for change in configuration of the DRI kiln as 2x100TPD in place of 3x50 TPD DRI kilns for further processing the proposal.

Yours faithfully,


(Dr.V.P.Upadhyay)
Director(S)

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Ministry of Environment and Forests
(I.A. Division)

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Telefax: 011: 2436 6739
Dated: 11th January, 2013

To,

M/s Supra Steel & Power Pvt. Limited
Plot No. 7, 4th Cross, Nanda School Road,
Vidyanagar West, Bellary - 583 104,
Karnataka

Fax: 08392- 243636

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Sub: Expansion of Sponge Iron Plant from 50 TPD to 200 TPD along with installation of Induction Furnace (30,000 TPA), Rolling Mill (75,000 TPA) and Captive Power Plant (4 MW) ay Sy. No. 276, Village Halkundi, Taluk & District Bellary, Karnataka by M/s Supra Steel & Power Pvt. Limited - regarding Environmental Clearance

Sir,

This has reference to your letter no. nil dated nil received in the Ministry 11.04.2011 along with copies of EIA/EMP and public hearing reports and subsequent communication dated 16.07.2011 seeking environmental clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined your application. It is noted that M/s Supra Steel & Power Pvt. Ltd. have proposed to expand its Sponge Iron Plant from 50 TPD to 200 TPD along with installation of Induction Furnace (30,000 TPA), Rolling Mill (75,000 TPA) and Captive Power Plant (4 MW) at Village Halkundi, Taluq & District Bellary, Karnataka. Total project area is 18.50 Acres, which is acquired and green belt will be developed in 6.1 acres (33%) of plant area. No national park / wild life sanctuary is located within a radius of 10 km of the project. However Bellary and Mincheri Reserve Forests are located within a distance of 1.0 km and 2.5 km respectively. Total cost of the proposed expansion is Rs. 55.84 Crores. Rs 2.7 Crores and Rs. 1.3 Crores are earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures.

3. Following are the details of existing and proposed facilities:

S.No.	Facility	Capacity
	Existing	
1	Sponge Iron Plant	50 TPD (1 x 50 TPD)
	Proposed	
1	Sponge Iron Plant	150 TPD (2 x 100 TPD kiln)
2	Induction furnace	30,000 TPA
3	Rolling Mill	75,000 TPA
4	Captive Power Plant	4 MW
	WHRB	1 MW
	FBC	3 MW

4. The raw materials required for sponge iron manufacturing will be Iron ore fines (1,08,000 TPA), coal (51,000 TPA) and limestone (1,800 TPA). Fuel supply agreement has been signed with M/s Singareni Collieries Company Limited for supply of coal for the existing plant and for the proposed expansion coal requirement will be met by import from Indonesia and South Africa. The waste gases from the kiln will be let into the waste heat boiler to generate steam for power generation. Coal fines/char/dolochar will be fired in a FBC boiler to generate steam, which will be used for power generation.
 5. Waste gases from DRI kiln will be passed through dust settling chamber, after burning chamber and a gas conditioning tower / WHRB, where the gases will be cooled. The cooled gases will be sent to electrostatic precipitator (ESP) and the clean gases would be let off to atmosphere through a chimney. ESP will be provided to captive power plant. Bag filters and ESP will be provided as air pollution control measures. To control the fugitive dust emissions water will be sprinkled on the roads.
 6. The water requirement for the existing plant operations is 50m³/day. For the expansion, the water requirement will increase to 264m³/day. The water requirement will be met from the Bellary Sewage Treatment Plant for Industrial use and Bore well water for domestic use. DM plant backwash, cooling tower and boiler blow down are neutralized in neutralization tank and used for gardening. Domestic effluent will be treated in septic tank followed by soak pit.
 7. Solid waste generated in the form of sponge Iron fines and will be sold to brick manufacturing units. Fly Ash, Dolochar & bottom ash will be sold to brick manufacturing units. Scrap will be reused in the process and Slag will be used for landfill/ road construction through approved agencies. Spent oil will be stored in leak proof containers and reused for lubrication
 8. Personal protective equipments like ear muffs will be provided to employees working in high noise prone areas. Acoustic lagging / silencers will be provided to noise generating equipment. Power requirement (including existing) of 9 MW will be met from Captive Power Plant and GESCO. The Company has obtained assurance for power supply from Karnataka Udyog Mitra (KUM), a State Level Single Window Agency of Government of Karnataka. DG sets (2 X1500 KVA) will be installed.
 9. All the sponge iron plants (\geq 200 TPD) are listed in S.No. 3 (a) Primary Metallurgical Industries under category 'A' as per the Schedule of EIA Notification, 2006 and appraised at Centre.
 10. The proposal was considered by the Expert Appraisal Committee-1 (Industry) in its 25th meeting held during 29th - 30th June, 2011. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Public hearing for the project was held on 29.12.2010.
 11. Based on the information submitted by you, presentation made by you and consultant, M/s KRS Enterprises, Bangalore, the Ministry of Environment and Forests 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. Compliance to all the specific and general conditions stipulated for the existing plant(s) by the Central/State Govt. should be ensured and regular reports submitted to the Ministry and its Regional Office at Bangalore.

- ii. Electrostatic precipitator (ESP), dust catcher, bag filters etc. shall be provided to keep the emission levels within 50 mg/Nm³ and by installing energy efficient technology.
- iii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed.
- iv. Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008 and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed.
- v. Hot gases from Rotary kiln shall be passed through Dust Settling Chamber (DSC) to remove coarse solids and After Burning Chamber (ABC) to burn CO completely and used in waste heat recovery boiler (WHRB). The gas then shall be cleaned in ESP before leaving out into the atmosphere through ID fan and stack. The water consumption shall not exceed as per prescribed standards for the steel plants
- vi. Total water requirement shall not exceed 264 m³/day. 'Zero' effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.
- vii. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement should be met from other sources.
- viii. Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E (P) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bangalore, SPCB and CPCB.
- ix. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003 and 2009. All the fly ash shall be provided to cement and brick manufacturers for further utilization and 'Memorandum of Understanding' shall be submitted to the Ministry's Regional Office at Bangalore.
- x. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants shall be implemented.
- xi. Measures shall be taken to prevent impact of particulate emissions / fugitive emissions, if any from the proposed plant on the surrounding reserved forests.
- xii. Green belt shall be developed in 33% of plant area in and around the plant premises to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines in consultation with DFO.
- xiii. Risk and Disaster Management Plan alongwith the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Bangalore, CECB and CPCB within 3 months of issue of environment clearance letter.
- xiv. All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 29th December, 2010 shall be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bangalore.

- xv. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program should be ensured accordingly in a time bound manner.
- xvi. The company shall provide housing for 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.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Karnataka State 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 Ministry of Environment and Forests.
- iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
- iv. 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, 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 Bangalore and the SPCB/CPCB once in six months.
- v. 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.
- vi. 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).
- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- viii. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- ix. 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.

- x. Requisite amount shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests 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 Bangalore. The funds so provided shall not be diverted for any other purpose.
 - xi. 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.
 - xii. 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 MOEF at Bangalore. 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.
 - xiii. 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 MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bangalore / CPCB / SPCB shall monitor the stipulated conditions.
 - xiv. 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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bangalore by e-mail.
 - xv. 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 Ministry of Environment and Forests 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 Bangalore.
 - xvi. 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.
12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

14. 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.

15. This issues with the prior approval of the Competent Authority.


(Sundar Ramanathan)
Deputy Director(S)

Copy to:

- i. The Secretary, Department of Environment & Forests, Government of Karnataka, Bangalore, Karnataka.
- ii. The Chairman, Karnataka State Pollution Control Board, Parisar Bhavan, No. 49, 4th & 5th Floor, Church Street, Bangalore - 560 001, Karnataka.
- iii. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -110032.
- iv. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wing, 17th Main Road, Koramangala, Bangalore-560034, Karnataka.
- v. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003.
- vi. Guard file / Monitoring file / Record file.


(Sundar Ramanathan)
Deputy Director(S)