

F No. J-11011/785/2008-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 : pb.rastogi@nic.in
Telefax : 011: 2436 7668
Dated : 15th September 2009

To, ✓
The Director,
M/s Singhal Energy Pvt. Ltd.
201, Madan Complex, Main Road
Shanker Nagar, Raipur
Chhattisgarh

E-mail : singhalent@yahoo.co.in ; Fax No. : 0771-2443566

Subject : Integrated Steel Plant (Sponge Iron, 2,31,000 TPA; Ferro Alloy, 30,000 TPA) alongwith Captive Power Plant (15 MW WHRB, 270 MW FBC) at Village Taraimal, Tehsil Tamnar, District Raigarh, Chhattisgarh by M/s Singhal Energy Pvt. Ltd. - Environment clearance req.

Ref. : Your letter no. nil dated 20th July, 2009.

Sir,

This has reference to your letter no. nil dated 20th July, 2009 alongwith Form I, Pre-feasibility Report, EIA/EMP and related project documents for environmental clearance on the above mentioned project.

2.0 The Ministry of Environment and Forests has examined the application. It is noted that proposal is for the Integrated Steel Plant (Sponge Iron, 2,31,000 TPA; Ferro Alloy, 30,000 TPA) alongwith Captive Power Plant (15 MW WHRB, 270 MW FBC) at Village Taraimal, Tehsil Tamnar, District Raigarh, Chhattisgarh by M/s Singhal Energy Pvt. Ltd. Total project area is 270 acres out of which 70 acres land is acquired and remaining 200 acres forest land is in the advance stage of approval. 200 acre land in lieu of forest land is already provided to State Forest Department for compensatory afforestation. No national park and wild life sanctuary is located within 10 km. radius of the project. Taraimal RF (0.6 km N), Rabo RF (8.3 km W), Barakocher RF (4.5 km E) and Urdana RF (5.2 SW), Maghar PF, Samaruma PF, Pajhar PF and Kharidungri PF are located within 10 km radius of the proposed project site. Total project cost is Rs. 977.00 Crores. Following facilities to be installed and products manufactured:

S.N.	Details	Plant Configuration	Installed capacity (TPA)
Phase-I :			
1.	Sponge Iron	4x175 TPD	2,31,000
2.	Ferro - Alloys	2x9 MVA	
	Fe-Si		12,700 (or)
	Si-Mn		28,500 (or)
	Fe-Mn		30,000
3.	Power Plant		66 MW
	WHRB	4x4 MW	16 MW
	FBC	2x36 MW	70 MW
Phase-II :			
5	Thermal Power Plant	2x100 MW	200 MW

2.0 Coal procured from coal mines of Southern Eastern Coal Fields Ltd. (SECL), Iron ore, Dolomite, Manganese Ore and Quartz will be used as raw material. Sponge iron will be manufactured using iron ore, coal and dolomite using ORI process. Ferro alloys like Silico-Manganese, Ferro-Silicon, High carbon Ferro-Chrome and High Carbon Ferro-Manganese will be manufactured in submerged electric arc furnace. Washery reject, coal, char, dolochar etc. will be used in FBC boilers. Sponge iron manufactured will be used by M/s Singhal Enterprises.

3.0 High efficiency Electrostatic Precipitator (ESP), low NOx burners, dust settling chamber, after burning chamber, bag filters, dust suppression and extraction system, fume extraction system etc. will be provided to control emissions. Total water requirement from Gerwar Nallah will be 11.37 million m³/annum and permission for the draft of 10.00 million m³/annum is accorded by the Water Resources Department, Chhattisgarh vide letter dated 25th July, 2009. Closed circuit cooling system will be adopted. All the treated effluent will be used for ash conditioning, dust suppression and green belt development. Zero effluent discharge will be maintained. Coal and dolochar generated from the sponge iron will be used in AFBC boiler as fuel. Ferro-Silicon slag will be used in cast iron foundries and SMS. Ferro-Manganese slag will be used in the manufacture of Silico-Manganese. Acrolon slag, wet scrapper sludge and Silico-manganese slag will be used for road construction. Fly ash from power plant will be given to cement/briqk manufacturing units and an MoU is signed with Government of Chhattisgarh on 1st July, 2008 for establishment of Cement plant (1.4 MTPA). Green belt will be developed in 90 acres (33%) area out of total 270 acres.

4.0 Public Hearing/Public Consultation meeting was held on 20th June, 2009.

5.0 The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 as amended subsequently subject to strict compliance of the following specific and general conditions:

A. SPECIFIC CONDITIONS :

- i) No construction work on the forest land shall be initiated till the prior approval under the Forest (Conservation) Act, 1980 and subsequent amendments is obtained from the concerned Central / State Government.
- ii) Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks and sufficient air pollution control devices shall be provided to keep the emission levels below 100 mg/Nm³. Monitoring of total Chromium (Cr) and Carbon monoxide (CO) should also be ensured. Standards for Nickel (Ni), Chromium (Cr) and Lead (Pb) shall be within permissible limit. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
- iii) As proposed, high efficiency electrostatic Precipitator (ESP) shall be provided to WHRB and CFBC boilers to control particulate emissions within 50 mg/Nm³ and the cleaned gases shall be let out to atmosphere through a stack of adequate height. Low NOx burners shall be provided to control NOx emissions. Twin flue stacks shall be provided for effective dispersion of SO₂ emissions into the environment. Hot gases from ORI 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. Fume extraction system with bag filters shall be provided to submerged electric arc furnace.

- v) In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Dust suppression system with water sprinklers shall be provided at raw material handling, unloading and storage areas. Dust extraction system with bag filters shall be provided at kiln inlet and outlet, material transfer points, coal crushing, char & coal screening, cooler discharge and product separation areas. All the roads in the work area shall be asphalted. Monitoring of fugitive emissions in the work zone environment shall be carried out regularly as per the CPCB guidelines and reports submitted to CECB / CPCB and Ministry's Regional Office at Bhopal.
- vi) Secondary fugitive emissions from blast furnace and sinter plant shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed. The emission standards issued by the Ministry in May, 2008 for the sponge plants shall be followed.
- vii) Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements should also be made to control dust emissions during loading and unloading of the raw material and finished product. Water sprinkling system shall be installed to control fugitive emissions from vehicular movement. Vehicular emissions shall be regularly monitored.
- viii) Total water requirement from Gerwani Nallah shall not exceed 11.37 million m³/annum. Closed circuit cooling system shall be adopted in the DRI plant and ferro alloy plant. Acidic and alkaline effluent from DM plant alongwith boiler blow down shall be neutralized in a neutralization tank, mixed with cooling tower blow down in a Central Monitoring Basin (CMB) and used for dust suppression, ash conditioning, green belt development and various other project related activities after passing through an oil separator to remove the oil content in the effluent. Sanitary wastewater shall be treated in septic tank followed by a soak pit and used as manure for green belt development.
- ix) Prior permission for the drawl of additional 1.37 million m³/annum from Gerwani Nallah shall be obtained from the Water Resources Department, Govt. of Chhattisgarh. Permission for the drawl of 10.00 million m³/annum from Gerwani Nallah is accorded by the Water Resources Department, Chhattisgarh vide letter dated 25th July, 2009.
- x) Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent and report submitted to the Ministry's Regional Office at Bhopal, CPCB and CECB.
- xi) 'Zero' effluent discharge shall be strictly followed and no process wastewater shall be discharged outside the premises.
- xii) The water consumption shall not exceed 18 m³/Ton of Steel as per prescribed standard.

- xii) New DRI unit shall be provided with waste heat recovery boiler (WHRB) to make use of flue gases generated during the process. All the char from the DRI plant shall be utilized in AFBC boiler of power plant as a fuel and no char shall be disposed off anywhere else. AFBC boiler shall be installed simultaneously along with the DRI plant to ensure full utilization of char from the beginning. All the other solid / hazardous waste generated shall be properly utilized or disposed off in environment friendly manner.
- xiii) Product fines, flue dust should not be dumped anywhere but reused in the process. Accretion slag, wet scraper sludge and Silico-manganese slag shall be used in environment-friendly manner. Ferro-Silicon slag shall be used in cast iron foundries and steel melting shop (SMS). Ferro-Manganese slag shall be used in the manufacture of Silico-Manganese.
- xiv) All the slag shall be used for road making only after passing through Toxic Chemicals Leachability Potential (TCLP) test. Otherwise, toxic substances shall be recovered from the slag and output waste disposed in secured landfill as per CPCB guidelines.
- xv) No ferro chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.
- xvi) Metal Recovery Plant shall be installed to recover metal through hydraulic jacking process. Discharge from metal recovery plant shall be monitored for the Chromium content and maintained within the permissible limit before recycling and reuse. Slag tailing shall be dumped in own premises in secured land fill as per CPCB guidelines after recovery of the metal. Used oil/lubricants and used lead acid batteries shall be sold to authorized recyclers / reproducers.
- xvii) A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.
- xviii) Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition and use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhopal, GECA and CPCB.
- xix) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003. 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 Bhopal within 3 months.
- xx) As proposed, green belt shall be developed in 90 acres (33%) out of total 270 acres within and around the plant premises as per the CPCB guidelines in consultation with DFO.
- xxi) Permission and recommendations of the State Forest Department regarding impact of the proposed plant on the surrounding Reserve and Protected forests viz. Taraimal RF, Rabe RF, Barkachhal RF and Urdana RF, Maghat PF, Samaruma PF, Pajhar PF and Kharidungri PF etc. shall be obtained. Measures shall be taken to prevent impact of particulate emissions / fugitive emissions, if any from the proposed plant. Further, Conservation Plan for the conservation of wild fauna in consultation with the State Forest Department shall be prepared and implemented. ✓

- xxi) All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Sector shall be implemented.
- xxii) All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 20th June 2009 shall be satisfactorily implemented.
- xxiv) The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, 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 Chhattisgarh Environment Conservation Board (CECB) and the State Government.
- ii. No further expansion or modifications in the plant should 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. At no time the emission level shall go beyond the prescribed standards. On-line continuous monitoring system shall be installed in stacks to monitor SPM and interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
- 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 SPM, SO₂ and NO_x are anticipated in consultation with the CECB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhopal and the CECB/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. As proposed, Rs. 50.00 Crores and Rs. 1.10 Crores 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 Bhopal. The funds so provided should 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, the respective Zonal Office of CPCB and the CECB. The criteria pollutant levels namely, SPM, RSPM, 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 at Bhubaneswar, the respective Zonal Office of CPCB and the CECB. The Regional Office of this Ministry at Bhopal / CPCB / CECB 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 Offices of the MOEF 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 CECB 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.
- 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.

6.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory. ✓

7.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

8.0 Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

9.0 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 and Handling) Rules, 2003 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


(Dr. P. B. Rastogi)
Director

Copy to:

1. The Secretary, Department of Environment, Govt. of Chhattisgarh, Chhattisgarh.
2. The Chairman, Central Pollution Control Board, Parvash Bhavan, CBO-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh.
4. The Chief Conservator of Forests (Eastern), Regional Office (Western Zone), E-3/240, Arera Colony, Bhopal-462 016, M.P.
5. Adviser (IA-II), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard file.
8. Record file.


(Dr. P. B. Rastogi)
Director

F. No. J-11011/785/2008-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: plan@jaral@yahoo.com
Tele/fax: 011 - 2436 3973
Dated: 21st September, 2011

To,

The Director,
M/s Singhal Energy (P) Limited
201, Madani Complex, Main Road,
Shanker Nagar, Raigarh, Chhattisgarh

E-mail: amg@emil.com
Fax: 0771-2443556

Sub: Integrated Steel Plant (Sponge Iron- 2,31,000 TPA; Ferro Alloy- 30,000 TPA) along with 285 MW Captive power plant (18 MW WHRB and 270 MW FBC) at Village Tareimal, Tehsil Temnar, District Raigarh in Chhattisgarh by M/s Singhal Energy (P) Limited - regarding change in configuration

Sir,

This is in continuation of this Ministry's letter of even no. dated 15.09.2009 and your subsequent communication dated 19.04.2011 requesting the Ministry for amendment of environmental clearance dated 15.09.2009 due to exemption from installation of FBC boiler simultaneously along with the DRI plant till coal linkage is received, installation of 4x100 TPD Kilns in place of 4x75 TPD Kilns and power generation through WHRB of 12 MW (4x3 MW) instead of 16 MW (4x4 MW).

2. Your request for amendment of environmental clearance dated 5.11.2008 was placed before the Expert Appraisal Committee (EAC- Industry) in its meeting held during 21st - 22nd July, 2011. The EAC recommended the proposal for amendment in environmental clearance letter no. J-11011/785/2008-IA II(i) dated 15th September, 2009 due to change in the project configuration and exempted from installation of FBC boiler simultaneously along with the DRI plant till coal linkage is received.

3. Revised production capacities after proposed amendment will be as below

S.No.	Unit	Plant configuration	Installed capacity	
Phase - I				
1.	Sponge iron	4 x 100 TPD	1,20,000	TPA
2.	Ferro alloys	2 x 9 MVA		
	Ferro-silicon		12700	TPA
	Silico-manganese		28500	TPA
	Ferro-manganese		30000	TPA
3.	Power plant		82	TPA
	WHRB	4 x 3 MW	12	MW
	AFBC boilers	2 x 35 MW **	70	MW
Phase - II				
	Thermal Power Plant	2 x 100 MW	200	MW

4. The Ministry accepts the recommendation of Expert Appraisal Committee (Industry-1). Environmental clearance accorded vide letter of even no. dated 15.08.2009 is amended subject to stipulation of following additional conditions for compliance:

- i. The char generated from the plant shall be supplied to the company with whom MoU has been signed and shall not be disposed of elsewhere till the coal linkage is obtained.
- ii. Data on ambient air, stack and fugitive emissions shall be regularly submitted online to Ministry's Regional office at Bhopal, SPCB and Central Pollution Control Board as well as hard copy once in six months and display data on RSPM, SO₂ and NO_x outside the premises at the appropriate place for the general public.
- iii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 325 (E) dated 16th November, 2009 shall be followed.
- iv. 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 respective Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhopal/CPCB/SPCB shall monitor the stipulated conditions.
- v. 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 in the respective Regional Offices of the MOEF by e-mail.
- vi. The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.

5. In future, in case of change in the scope of the project, the company shall obtain fresh environmental clearance.

This issues with approval of the Competent Authority

Yours faithfully,


(Dr. P. L. Ahujara)
Scientist 'F'

Copy to:

1. The Secretary, Department of Environment, Govt. of Chhattisgarh, Raipur.
2. The Chairman, Central Pollution Control Board, National, Bhawan, ITC cum Office Complex II, Arun Nagar, Delhi-110032.
3. The Chairman, Chhattisgarh Environment Conservation, State, Raipur-491004, One, Lines, Raipur, Chhattisgarh.

4. The Chief Conservator of Forests (Eastern), Regional Office (Western Zone), E-3/240, Arera Colony, Bhopal - 462 016, M.P.
5. Monitoring Cell, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Guard file / Record file

(Dr. P.L. Ahujara)
Scientist-F

F. No. J-11011/785/2008-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi - 110003
E-mail: satish.garkoti@nic.in
Tel: 011- 24695316

Dated: 10th November, 2016

To ✓
M/s Singhal Energy Pvt. Ltd
Village Taraimal, Tehsil Tamnar,
District Raigarh, Chhattisgarh.

Subject: - Integrated Steel Plant (Sponge Iron, 2,31,000 TPA; Ferro Alloy, 30,000 TPA) alongwith Captive Power Plant (16 MW WHRB, 270 MW FBC) of M/s Singhal Energy Pvt. Ltd., located at Village Taraimal, Tehsil Tamnar, District Raigarh, Chhattisgarh - Extension of validity of Environmental Clearance regarding.

Sir,

This has reference to your online application No IA/CG/IND/6450/2009 dated 16th May, 2016 for extension of validity of the environmental clearance and dropping of phase-II of 200 MW power plant for the project mentioned above.

2.0 The Environmental Clearance to Integrated Steel Plant (Sponge Iron, 2,31,000 TPA; Ferro Alloy, 30,000 TPA) along with Captive Power Plant (16 MW WHRB, 270 MW FBC) of M/s Singhal Energy Pvt. Ltd., located at Village Taraimal, Tehsil Tamnar, District Raigarh, Chhattisgarh was accorded by the Ministry vide letter No. J-11011/785/2008 -IA II (I) dated 15th September 2009. An amendment for plant configuration was issued vide letter of even number dated 23rd September 2011.

3.0 The project was proposed in 2 Phases. In Phase -1, (DRI, Ferro Alloys, FBC Power plant of 70 MW and WHRB based power plant of 12 MW) has been proposed in 70 acres of private land. In the Phase - 2, power plant of capacity 200 MW has been proposed in 200 acres of Forest land. However due to delay in acquisition of Forest land and due to very sluggish market conditions & Non availability of Finance from the bankers, the proponent has proposed to drop the entire Phase-2 of the project of 200 MW power plant. Following is the current implementation status for which EC has been accorded:

S.N o.	Details	Plant Configuration for which EC accorded	Production Capacity for which EC accorded	Status of Implementation	Units requested for EC Extension
	Phase - I:				
1	DRI Kilns (Sponge Iron)	4 x 100 TPD	1,20,000 TPA	2 x 100 TPD (60000 TPA) is in operation and CTO obtained from CECB.	2 x 100 TPD (60,000 TPA)

2	Ferro Alloys Fe-Si Si-Mn Fe-Mn	2 x 9 mVA	12,700 TPA (or) 28,500 TPA (or) 30,000 TPA	Both Units are in Operation	-----
3	Power Generation WHRB	4 x 3 MW (for 4 X 100 TPD Kilns)	12 MW	2 No. X 3 MW (Under Implementation)	2 No. X 3 MW
	FBC	2 x 35 MW	70 MW	It is proposed to drop 42 MW and install total of only 28 MW instead of 70 MW, i.e., 8 MW (Under Implementation) & 20 MW (to be installed) (by Dropping of 7 MW & 1 x 35 MW)	1 x 8 MW (under implementation) & 1 x 20 MW (Yet to be implemented)
	Phase – II:				(Dropped)
4	Thermal Power Plant	2 x 100 MW	200 MW	200 MW Requested to be Dropped now	-----

4.0 It has been mentioned that the total land envisaged for the proposed project is 270 acres, out of which 70 acres of Private Land is in possession of management and remaining 200 acres is the Forest land. The proponent has requested the Ministry to drop the 7 MW and 1 x 35 MW (42 MW) Power Plant (in Phase -1) and 200 MW power plant (in Phase- 2) along with 200 acres of forest land. The entire Phase-I project will be implemented in 70 acres of land. Accordingly, the total greenbelt will be 24 acres (more than 33%). The proponent has requested for the following:

- 1) Extend the validity of environmental clearance for a period of 3 years till 14th September, 2019 to implement the remaining unimplemented units in Phase -1.
- 2) Permission to consider only 70 acres of land instead of 270 acres, as entire Phase-2 project has been dropped with 200 acres of Forest land.

5.0 The proposal was considered by the Expert Appraisal Committee (Industry-I) in its 7th meeting held on 30th May – 1st June, 2016. After detailed deliberation, the Committee recommended the proposal for extension of validity of environmental clearance for a period upto 14th September, 2019 and dropping of power plant of 42 MW capacity from Phase – I, dropping of 200 MW power plant from Phase – II and implementation of the project on only 70 acres of land by dropping 200 acres of forest land.

6.0 The Ministry has considered the recommendation of the EAC (Industry-I) and hereby decided to extend the validity of environmental clearance issued vide letter No. J-11011/785/2008-IA II (I) dated 15th September, 2009 for a further period of three years i.e. upto 14th September, 2019. The Ministry has also accepted the request of PP for dropping of power plant of 42 MW capacity from Phase – I and dropping of 200 MW power plant from

Phase – II including 300 acres of forest land. The project will now be implemented in 70 acres of land.

7.0 All the conditions stipulated in the environmental clearance letter No. J-11011/785/2008-1A.II(1) dated 14th September, 2009 shall remain the same.

8.0 The company shall obtain fresh environmental clearance in case of any change in the scope of the project.

This issues with the approval of the Competent Authority.



(Dr. Satish C. Garkoti)
Scientist 'F'

Copy to:-

1. The Secretary, Department of Environment, Government of Chhattisgarh.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. The Chairman, Chhattisgarh Environment Conservation Board, Chhattisgarh Housing Board Colony, Commercial Complex, Kabir Nagar, Raipur, Chhattisgarh.
4. The Additional Principal Chief Conservator of Forests (C) of Ministry of Environment Forest and Climate Change Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-440001.
5. Guard File / Record File/Monitoring file.



(Dr. Satish C. Garkoti)
Scientist 'F'