

F. No. J-11011/1267/2007-IA.II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

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Dated: 7th August, 2018

To

M/s Scania Steels & Powers Ltd.,
R-19, Civil Township,
Rourkela
Odisha- 769 004

Subject: Expansion of Integrated Steel Plant & Captive Power Plant (Sponge Iron Plant: 200 TPD; Steel Melting Shop: 135000 TPA; and WHRB 8 MW) at village Punjipatra, District Raigarh, Chhattisgarh by M/s Scania Steels and Powers Limited - Environmental Clearance under the provisions of EIA Notification, 2006 regarding.

Sir,

4 This has reference to your application vide online proposal No. **IA/CG/IND/67506/2007** dated 17th August 2017 along with copies of EIA/EMP report and your reply to ADS on 11th May 2018 seeking environmental clearance for the proposed expansion of Integrated Steel Plant & Captive Power Plant at village Punjipatra, District Raigarh, Chhattisgarh by M/s Scania Steels and Powers Limited under the provisions of the EIA Notification, 2006. The proposed project activity is listed at S. No. 3(a) Metallurgical industries (ferrous & non-ferrous) under Category "A" of EIA Notification, 2006 and the proposal is appraised at Central level.

2.0 The proposal was for expansion of Integrated Steel Plant & Captive Power Plant (Sponge Iron Plant: 200 TPD; Steel Melting Shop: 135000 TPA; Ferro Alloy: 7500 TPA; WHRB 8 MW; AFBC 17 MW) of M/s Scania Steels and Power Limited located in Village Punjipatra, Tehsil Tamnar, District Raigarh, State Chhattisgarh was initially received in the Ministry on 27th November 2007 and 7th April 2008 for obtaining Terms of Reference (ToR) as per EIA Notification, 2006. The project was appraised by the Expert Appraisal Committee (Industry) [EAC(I)] during its 80th meeting held on 15th April 2008 and prescribed ToRs to the project for undertaking detailed EIA study for obtaining environmental clearance. Accordingly, the erstwhile Ministry of Environment and Forests had prescribed ToRs to the project on 25th April 2008 vide Lr. No. J-11011/1267/2007-IA.II(I) the expansion of Sponge Iron plant production capacity from 66,000 TPA to 1,32,000 TPA, establishment of Induction

furnaces with CCM to produce MS Billets of 1,35,000 TPA, Power Plant of 8 MW, based on WHRB & 17 MW, based on AFBC Boiler, a Ferro Alloys manufacturing plant of 1x5 MVA capacity to produce 7,500 TPA of Ferro Alloys. MoEFCC had accorded Environmental Clearance (EC) for the project vide Letter No. J-11011/1267/2007-IA.II(I) dated 5th November 2008. The project was exempted from the requirement of Public Hearing due to expansion of the project at the same site under 7 (ii) of the EIA Notification 2006.

3.0 Subsequently, MoEFCC issued two amendment letters; one dated 3rd July 2009 pertaining to the change of the configuration of the Induction Furnace and the other dated 1st June 2011, vide which it granted the permission for the disposal of Char, to be generated by Sponge Iron Plant to the other companies till the coal linkage is available for the AFBC boiler.

4.0 In the meantime, M/s Jan Chetana filed an appeal in National Environment Appellate Authority (NEAA) vide appeal No. 8/2009 against the issue of environmental clearance for this expansion project. Subsequently, Hon'ble National Green Tribunal issued an order dated 9th February 2012 directing "MoEF&CC to take prompt steps for completing the exercise of public consultation (Public Hearing) and curing the deficiency in EIA/EMP and re-visit the entire project in the light of the observations made by it and complete the exercise as expeditiously as possible".

5.0 The M/s Scania Steels and Powers Limited filed a civil appeal before the Hon'ble Supreme Court of India (I.A. No. 3 in Civil Appeal No(s). 6025 of 2012) to stay the order issued by Hon'ble NGT and requested to give permission to start production of the expansion project as all required clearances have been obtained and lot of investment has been made in the expansion project.

6.0 The Hon'ble Supreme Court of India vide order dated 16th May, 2014 issued order "to complete the public hearing as per the Act/ Notification, duly considering the objections received from the public and the decision thereon shall be taken by MoEF&CC.

7.0 Subsequently, the Public Hearing was conducted on 25th May 2017 near Banjari Mandir, Tehsil Tamanar, District Raigarh in Chhattisgarh under the chairmanship of ADM Raigarh for production of 135000 TPA induction furnace with CCM for billet caster, 7500 TPA ferro alloy plant, 17 MW AFBC boiler based & 8 MW WHRB based power plant in connection with the expansion of the existing plant. The issues raised during public hearing are related to pollution, employment, solid waste management, fly ash etc.

8.0 The Status of compliance of earlier EC was obtained from Regional Office, Nagpur vide Lr. No. J-11011/1267/2007-IA II (I) dated 5th November 2008. At present, 2x100 TPD Sponge Iron Plant is in operation, for which valid 'Consent to Operate' from Chhattisgarh Environment Conservation Board (CECB) is available. In expansion proposal, 2x100 TPD Sponge Iron Plant & 1x8T Induction Furnace have been commissioned after obtaining the necessary 'Consent to Establish' and 'Consent to Operate' for the same from CECB. However, these units under the expansion proposal are presently not in operation as the case is pending in Supreme Court. Apart from the above,

another 1x6T Induction Furnace has also been implemented after necessary approvals from CECB, obtained separately. The unit is presently not in operation. Renewal for "Consent to Operate" is under process. Besides, one Rolling Mill of 30,000 TPA capacity to manufacture M. S. Rod/TMT Bar along with a Producer Gas Plant with 100 TPD capacity, using coal gas technology is also operating as Unit-2 after necessary approvals from CECB in the adjoining land.

9.0 The total land required for the project is 23.472 ha (58 acres) which is already under the possession of the company. No forestland is involved. The entire land has been acquired for the project. Kelo River which flows at a distance of 6.3 kms at ESE direction from the project site. This river is a main tributary of River Mahanadi. Kurket River which is another important river in the study area is flowing about 7.6 Km away at WNW direction from the project site. The Rabo dam which is situated on the way of the Kurket River is located about 7 Km distance at west direction from the project site.

10.0 The study area has a slightly rugged topography with ridges and isolated hills of Cuddapah sandstones, running in a more or less NW-SE direction and the geographical coordinates of the project site are Latitude 22°04'09.50"N to 22°04'26.50"N and Longitude 83°20'43.90"E to 83°21'03.60"E with Above Mean Sea Level (AMSL) 323 meters (1059 ft).

11.0 The ground water table reported to ranges between 2.95 to 7.9 m below the land surface during the post-monsoon season and 5.69 to 14.9 m below the land surface during the pre-monsoon season.

12.0 No National Park/Wildlife Sanctuary/Biosphere Reserve/Tiger Reserve/Elephant Reserve etc. are reported to be located in the core and buffer zone of the project. The area also does not report to form corridor for Schedule-I fauna.

13.0 Baseline Environmental Studies were conducted during winter season i.e. from December 2014 to February 2015 and additional period of 1st June 2017 to 15th June 2017. Ambient air quality monitoring has been carried out at 8 locations during 1st December 2014 to 28th February 2015 and the data submitted indicated: PM₁₀ (97.1 µg/m³ at Gourmuri to 174.9 µg/m³ inside project site), PM_{2.5} (38.1 µg/m³ at Tumidih to 68.4 µg/m³ inside project site), SO₂ (7.2 µg/m³ at Barapalai to 15.5 inside project site µg/m³) and NO_x (7.2 µg/m³ at Barapalai to 23.0 inside project site µg/m³). The results of the modeling study indicated that the maximum incremental values of SO₂, NO_x & PM would be about 20.74 µg/m³, 11.47 µg/m³ & 2.46 µg/m³ respectively, which will occur in 'SE' direction at a distance of 0.8 Km, 1 Km. & 1.0 Km. respectively w.r.t. the origin.

14.0. Ground water quality has been monitored in 8 locations in the study area and analysed. The pH ranges to (5.1 - 6.9); Total Dissolved Solids (TDS) (34 to 232) mg/lit; while Total Hardness (10 to 186) mg/lit; alkalinity (4 to 176) mg/lit; Calcium (3 to 47) mg/lit; and Magnesium (0.5 to 17) mg/lit respectively. Sulphate, Nitrate and Chloride were observed in the ranges of (2 - 7) mg/lit, (0.5 - 2.5) mg/lit and (11 - 41) mg/lit respectively. Values of Iron content were

found from below detectable limit (<0.05 mg/lit.) to 0.1 mg/lit in these water samples. Surface water samples were analysed from 8 locations. pH: 6.0 to 7.7; DO: 5.8 to 6.7. mg/l and BOD: < 4 to 5mg/l.

15.0. Noise levels are in the range of 54.2 to 65.8 dB(A) for daytime and 46.9 to 57.3 dB(A) for nighttime.

16.0. It has been reported that as per 2011 census, the total population in the 10 Km radius area is 55,746. No R&R is involved in the project.

17.0. It has been reported that the Consent to Establish / Consent to Operate from the Chhattisgarh Environment Conservation Board obtained vide Lr. No. 1481/TS/CECB/2017 dated 29.06.2017 and consent is valid up to 30.06.2020.

18.0. In the existing plant area, there is significant presence of the greenbelt. Out of the total plant area of 23.472 hectares (58 acres), the area covered under plantation is 7.85 hectares (19.4 acres). Hence, over 33% of the total plant area is covered under plantation.

19.0. The entire project including the existing units occupies the total 23.472 hectare (58 acres) of land. The average rainfall in the area is recorded as 1.2 m. Hence, the total run-off will be 2,81,664 cu.m/annum, out of which about 2,00,000 cu.m rain water can be harvested. The company has planned for 4 nos. ponds for rain water harvesting. In the existing plant area, a rain water harvesting tank has been recently constructed, while another one is under construction. The dimension of the existing RWH tank is Top area (50m x 33m), Bottom area (44m x 27m) and depth as 3.5 m. Rest 2 nos. will be constructed.

20.0 The proposal was considered in the 22nd meeting of Expert Appraisal Committee [EAC] (Industry-I) held during 11th – 13th September 2017 and further considered in the 30th meeting of EAC held during 9th to 10th April, 2018. The committee advised to submit the revised proposal by dropping the Ferro Alloys Plant and 17 MW AFBC based Captive Power Plant in view of the high levels of particulate matter in the AAQ of the study area.

21.0 Accordingly, the project proponent submitted revised proposal by dropping the Ferro Alloys Plant and 17 MW AFBC based Captive Power Plant and the revised EIA report has been submitted. The water requirement has been reduced from 36.2 cu.m./hr. to 26.5 cu.m/hr. The power requirement will be reduced from 20 MW to around 15 MW. The cost of the project has been revised to Rs. 90 crores from the earlier figure of Rs. 150 crores.

22.0 Based on the revised configuration of the project after dropping Ferro Alloys Plant and 17 MW AFBC based Captive Power Plant in view of the high levels of particulate matter in the AAQ of the study area, the incremental GLCs were recalculated. For the revised scenario, the maximum ground level concentrations of SO₂, NO_x & PM would be about 6.06 µg/m³, 4.45 µg/m³ & 0.98 µg/m³ respectively, which are lower than the pre-revised scenario.

23.0 Funds to the extent of Rs. 2.25 Crores i.e., 2.5% of total project cost (90 Crores) has been earmarked for investment under Corporate Environment Responsibility (CER). This fund will be utilized over a period of 5 years.

PROPOSED ACTIVITIES UNDER CORPORATE ENVIRONMENT RESPONSIBILITY	BUDGET (IN LACS)					TOTAL (IN LACS)
	1 st year	2 nd year	3 rd year	4 th year	5 th year	
(A) BASED ON PUBLIC HEARING						
Skill development to unemployed local youths through National Skill Development Corporation, Govt. of India Scheme. Construction of a building along with the necessary infrastructures for this purpose like different machineries for industries.	20.0	14.0	12.0	6.0	6.0	58.0
Construction & repairing of local drains	1.0	1.0	1.0	1.0	1.0	5.0
Construction of total 2 nos. Toilet Complexes, separately for girls & boys (@ Rs. 6.25 Lakhs per Toilet Complex)	6.25	6.25	-	-	-	12.5
Financial Support to the Local Schools for repairing of buildings	2.0	2.0	2.0	2.0	1.0	9.0
Providing equipment to the local hospitals	2.0	2.0	2.0	2.0	-	8.0
To provide 2 no. ambulances, equipped with emergency facilities	5.0	5.0	-	-	-	10.0
Supporting schools for establishment of mini sports complex or playgrounds in providing the facilities like badminton court, tennis court and levelling of ground.	4.0	4.0	4.0	4.0	-	16.0
(B) BASED ON NEED BASED SOCIAL NEED ASSESSMENT						
Drinking Water Infrastructure (Tubewell in nearby villages like Punjipatra; Padkipahri, Chaidoria&Charratangar - 6 nos. @ Rs. 1.5 Lakhs)	3.0	3.0	1.5	1.5	-	9.0
Construction of metal consolidation road (3 km) in villages (Punjipatra -	15.0	15.0	15.0	-	-	45.0

2 km & Padkipahri-1 km) (@Rs. 15 Lakhs per km)						
Development of Community Halls, one each for two villages namely Punjipatra & Padkipahri- Total 2 nos. (@ Rs. 8 Lakhs per Hall)	8.0	8.0	-	-	-	16.0
Local Village Pond upgradation - 6 ponds (2 ponds each in three villages- Punjipatra, Padkipahri, Chaidoria) (@ Rs. 2.5 Lakhs per Pond)	5.0	2.5	2.5	2.5	2.5	15.0
Street Lighting (solar) provision at suitable public places - 35 nos. (@ Rs. 0.5 Lakhs per Solar Light)	4.0	4.0	4.0	3.0	2.5	17.5
Developments of parks, plantation of trees in the nearby areas.	1.0	1.0	1.0	1.0	-	4.0
TOTAL						225.0

24.0 The revised capital and revenue cost of the EMP after dropping of Ferro Alloys Plant and 17 MW AFBC based Captive Power Plant is as follows:

Sl	Item	Capital Cost in Crores	Revenue cost in Lakhs / annum
1	Air Pollution Control System	6.00	60.00
2	Water conservation and Pollution control	0.42	4.20
3	Solid waste Management system	0.18	1.80
4	Greenbelt development	0.18	1.80
5	Environmental Monitoring	0.24	2.40
5	Noise reduction systems	0.06	0.60
6	Environmental management Department	0.12	1.20
	Total	7.20	72.00

25.0 The proposal was further considered in the 32nd meeting of Expert Appraisal Committee (Industry-I) held during 11 to 13th June, 2018. Detailed deliberations were held regarding the ambient air quality (particulate matter) which was on higher side. After deliberations, the project proponent has agreed to drop the Ferro Alloys Plant; and 17 MW AFBC based Captive Power Plant from the original proposal for keeping the ambient air quality (particulate matter) under control:

26.0 Further, the project proponent shared commitment to reduce the

emission of particulate matter from all the process stacks from 50 mg/Nm³ to 30 mg/Nm³. The project Proponent also assured that particulate matter concentration would be contained within the acceptable limits and National Ambient Air Quality Emission Standards prescribed by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009.

27.0 In view of the above deliberations, the committee recommended for environmental clearance for the Sponge iron Plant (2X100 TPD); Steel Melting Shop ((1x6 T + 1x8T + 2x15 T with matching LRF & CCM); 8 MW WHRB based Captive Power Plant subject to following specific and general conditions.

Specific Conditions:

- 1) The EC is subject to the outcome of Civil Appeal No. 6025 of 2012 before Hon'ble Supreme Court of India.
- 2) The particulate matter emission from all the process stacks shall not be more than 30 mg/Nm³.
- 3) The project proponent shall take adequate measures to bring the Ambient Air Quality as per National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009.
- 4) The monitoring of the secondary fugitive emissions will be carried around Product House, SMS and RMH guard as per the frequency specified under the National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009.

General Conditions:

- 1) An amount of Rs 225 Lakhs proposed towards Corporate Environment Responsibility (CER) shall be utilized as capital expenditure in project mode. The project shall be completed in concurrence with the implementation of the expansion and estimated on the basis of Scheduled Rates.
- 2) Green belt shall be developed in 7.85 Ha equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- 3) The Capital cost Rs. 7.2 Crores and annual recurring cost Rs. 72 Lakhs towards the environmental protection measures shall be earmarked separately. The funds so provided shall not be diverted for any other purpose.
- 4) The project proponent shall (Air Quality Monitoring):
 - a. install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30th May 2008 as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification

through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

- b. monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - c. Install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions; and
 - d. submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- 5) The project proponent shall (Water Quality Monitoring):
- a) install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30th May 2008; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - b) monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories; and
 - c) submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- 6) The project proponent shall (Air Pollution Control):
- a) provide appropriate Air Pollution Control (APC) system for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
 - b) provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags;

- c) provide pollution control system in the steel plant as per the CREP Guidelines of CPCB;
 - d) provide sufficient number of mobile or stationery vacuum cleaners to clean plant roads, shop floors, roofs regularly;
 - e) recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration;
 - f) ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation;
 - g) provide wind shelter fence and chemical spraying on the raw material stock piles.
- 7) The project proponent shall (Water Pollution Control):
- a) adhere to 'zero liquid discharge';
 - b) provide Sewage Treatment Plant for domestic wastewater; and
 - c) provide garland drains and collection pits for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- 8) The project proponent shall (Water Conservation):
- a) practice rainwater harvesting to maximum possible extent; and
 - b) make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- 14 9) The project proponent shall (Energy Conservation):
- a) provide waste heat recovery system on the DRI Kilns;
 - b) provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly; and
 - c) provide the project proponent for LED lights in their offices and residential areas;
- 10) Used refractories shall be recycled as far as possible.
- 11) The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
- 12) Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- 13) The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

- 14) The project proponent shall adhere to the corporate environmental policy and system of the reporting of any infringements/ non-compliance of EC conditions at least once in a year to the Board of Directors and the copy of the board resolution shall be submitted to the MoEF&CC as a part of six-monthly report.
- 15) All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the steel plants shall be implemented.
- 16) A dedicated environmental cell with qualified personnel shall be established. The head of the environment cell shall report directly to the head of the organization.
- 17) 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, 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.
- 18) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- 19) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- 14 20) The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- 21) The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- 22) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- 23) The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.
- 24) The project proponent shall (Post-EC monitoring):
- send a copy of environmental clearance letter to the heads of Local Bodies, Panchayat, Municipal bodies and relevant offices of the Government;
 - put on the clearance letter on the web site of the company for access to the public.
 - inform the public through advertisement 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 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, Forests and Climate Change (MoEF&CC) at <http://envfor.nic.in>.

- d. upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same periodically;
- e. monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company;
- f. 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&CC, the respective Zonal Office of CPCB and the SPCB;
- g. submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company;
- h. 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.

28.0 The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee (Industry-I) and hereby decided to grant environmental clearance for the proposed expansion of Integrated Steel Plant & Captive Power Plant (Sponge Iron Plant: 200 TPD; Steel Melting Shop: 135000 TPA; and WHRB 8 MW) at village Punjipatra, District Raigarh, Chhattisgarh by M/s Scania Steels and Powers Limited under the provisions of EIA Notification, 14th September, 2006, as amended, subject to strict compliance of the above conditions.

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

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

30.0 The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and that during their presentation to the Expert Appraisal Committee. The commitment made by the project proponent to the issue raised during Public Hearing shall be implemented by the proponent

31.0 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 and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

32.0 This EC is issued in supersession of earlier EC vide F. No. J-11011/1267/2007-IA.II(I) dated 5th November 2008.


33.0 Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

This issues with the approval of Competent Authority.


(Sharath Kumar Pallerla)
Scientist 'F' / Director

Copy to:-

1. **The Secretary**, Department of Environment, Government of Chhattisgarh.
2. **The Additional Principal Chief Conservator of Forests(C)**, Ministry of Environment, Forest and Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur - 440001.
3. **The Chairman**, Central Pollution Control Board, Parivesh Bhawan, CBD-cum office complex, East Arjun Nagar, Delhi-110032
4. **The Chairman**, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh
5. **The Member Secretary**, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
6. **The District Collector**, Raigarh District, Chhattisgarh.
7. **Guard File / Record file / Monitoring file.**
8. **MOEF&CC Website.**


(Sharath Kumar Pallerla)
Scientist 'F' / Director