

BY SPEED
POST



Steel Authority of India Limited
Rourkela Steel Plant
Rourkela – 769011
Fax : 0661-2510183

Ref. No. : 691/EE/59/155
Date : 04/11/2024

Dear Sir,

Sub : Implementation Status of Env. Clearance Conditions issued to RSP.

Thank you very much for granting the following Environment Clearances for enhancing plant production capacity to 4.855 MTPA Hot Metal & 4.850 MTPA Crude Steel & 4.325 MTPA Saleable Steel through Modernization & Expansion of Rourkela Steel Plant within the premises of Rourkela Steel Plant of M/s Steel Authority of India Limited (SAIL) at village Rourkela, Tehsil Rourkela, District Sundergarh, Odisha.

- 1) EC vide ref.no. F No. J-11011/40/88 – IA.I, dated 24/04/1992 for Modernisation and Expansion of Rourkela Steel Plant to 2 MTPA Hot Metal & 1.9 MTPA Crude Steel.
- 2) EC vide ref. no. F No. J-11011/757/2007-IA II(I), dated 29/01/2008, extension order dated 05/07/2013 & amendment order dated 26/03/2014 for expansion of RSP to 4.5 MTPA Hot Metal, 4.2 MTPA Crude Steel.
- 3) EC vide ref. no. F No. J-11011/66/2014-IA II(I), dated 15/12/2016 for Modernization of Rourkela Steel Plant by adding 3 MTPA HSM, Expansion of SPP & 3 MTPA Beneficiation Plant & 2 MTPA Pelletisation Plant inside RSP.
- 4) EC vide ref.no. F No. J-11011/66/2014-IA II(I), dated 06/01/2019 for Modernisation of Rourkela Steel Plant by addition of New Caster#4 within existing SMS-II.
- 5) EC vide ref. no. F No. J-11011/66/2014-IA II(I), dated 30/03/2022 for Modernization & Expansion of Rourkela Steel Plant for enhancing plant production capacity to 4.855 MTPA Hot Metal & 4.850 MTPA Crude Steel & 4.325 MTPA Saleable Steel.
- 6) EC vide ref. no. EC22B000OR131732 dated 18/10/2022 for Up-gradation of present Air Strip (Private Use) to Air Port (Code 3C) for Commercial Use Under RCS-UDAN scheme of Govt. of India (ExpansionProject).

The implementation status of the time bound action plans for compliance to the special and general conditions mentioned in the above Environment Clearance orders is prepared for the period April – Sept., 2024 and the same is enclosed herewith as Annexures - 1 to 6 for your kind perusal. The softcopies are mailed and also uploaded to the web sites of MoEFCC & SAIL.

Thanking you sir,
With warm regards,

Yours faithfully,
For Rourkela Steel Plant,

(P C Dash)
General Manager I/c
Environmental Engg. Department

Note : Soft copy mailed to roez.bsr-mef@nic.in; mef.or@nic.in
To,

The Dy. Director General of Forests (C),
Integrated Regional Office,
Ministry of Environment & Forests,
A/3, Chandrasekharapur,
Bhubaneswar. – 751023.

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Steel Authority of India Limited
Rourkela Steel Plant
Rourkela – 769011
Fax : 0661-2510183

Ref. No. : 691/EE/59/
Date :

Dear Sir,

Sub : Implementation Status of Env. Clearance Conditions issued to RSP.
Ref.: EC vide ref. no. F No. J-11011/66/2014-IA II(I), dated 30/03/2022.

Thank you very much for granting the following Environment Clearance for Modernization & Expansion of Rourkela Steel Plant to enhance the capacity of 4.855 MTPA Hot Metal, 4.850 MTPA Crude Steel & 4.325 MTPA Saleable Steel, within the premises of Rourkela Steel Plant of M/s Steel Authority of India Limited (SAIL) at village Rourkela, Tehsil Rourkela, District Sundergarh, Odisha.

EC vide ref. no. F No. J-11011/66/2014-IA II(I), dated 30/03/2022 for Modernization cum Expansion SAIL – Rourkela Steel Plant for enhancing Hot Metal Production from 4.500 to 4.855 MTPA, Crude Steel Production from 4.200 to 4.850 MTPA and Saleable Steel Production from 3.880 to 4.325 MTPA by installing Coke Oven Battery#7, Steel Melting Shop#3, New Normalising Furnace in New Plate Mill, New Oxygen Plant, Natural Gas Pipe Line Network inside the existing plant premises and adopting technological measures in existing Blast Furnaces for enhancing production viz., Granshot, Stove No.4 in BF#5 and Micro Pellet Plant.

A time bound action plan for implementation of the special and general conditions mentioned in the above Environment Clearance order is prepared and the same is enclosed herewith as Annexure-5. The softcopy is mailed and uploaded to the web sites of MoEFCC & SAIL.

Thanking you sir,

With warm regards,

Yours faithfully,
For Rourkela Steel Plant,

(P C Dash)
General Manager I/c
Environmental Engg. Department

Note : Soft copy mailed to roez.bsr-mef@nic.in; mef.or@nic.in

To,

The Dy. Director General of Forests,
Integrated Regional Office,
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A/3, Chandrasekharpur,
Bhubaneswar. – 751023.



सेल SAIL

Steel Authority of India Limited

Rourkela Steel Plant's Modernisation cum Expansion Project

(Environment Clearance vide ref.no. F No. J-11011/66/2014-IA II(I), dated 30/03/2022)

Annexure-5

Action Plan for Compliance to EC Conditions

Contact Person : Sri P C Dash, GM I/c (Env. Engg.) Phone : 0661-2447258; 8895500627 & V V R Murty, GM(Env.Engg.) M:8895500628
(April – September.,2024)

Project: Modernization cum Expansion SAIL – Rourkela Steel Plant for enhancing Hot Metal Production from 4.500 to 4.855 MTPA, Crude Steel Production from 4.200 to 4.850 MTPA and Saleable Steel Production from 3.880 to 4.325 MTPA by installing Coke Oven Battery#7, Steel Melting Shop#3, New Normalising Furnace in New Plate Mill, New Oxygen Plant, Natural Gas Pipe Line Network inside the existing plant premises and adopting technological measures in existing Blast Furnaces for enhancing production viz., Granshot, Stove No.4 in BF#5 and Micro Pellet Plant.

A) Specific Conditions of EC :

SN.	Specific Conditions of EC	Implementation Status of Action Plan
i.	Tailings from Iron Ore beneficiation plant shall be dewatered in filter press and no slime /tailing pond shall be permitted.	The present project does not envisage Iron Ore Beneficiation.
ii.	Sinter Plant shall be equipped with Sinter cooler waste recovery system and suitable technology for control of dioxins and furans emissions from the plant.	The present project does not envisage Sinter Plant. However, the existing steel plants – SP#2 and SP#3 are provided with sinter cooler waste recovery systems and the waste heat is gainfully utilised back in the sintering process.
iii.	Solid waste utilization : - PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making. - PP shall recycle/reuse 100% solid waste generated in the plant. - Used refractory shall be recycled as far as possible.	- Crushing facilities for converting steel slag into aggregates of different sizes are envisaged under the project. After crushing, the crushed material of bigger sizes will be utilised in construction industry, finer sizes will be used as flux in steel making process, brick making and as lime in cement making. - Micro Pelletisation Plant is envisaged under this project for achieving 100% utilisation of solid wastes. Project has been finalised and contract was signed on 29/08/2024, execution is under progress. - Used refractories are gainfully utilised 100%.

SN.	Specific Conditions of EC	Implementation Status of Action Plan
iv.	Coke oven plant shall be equipped with coke dry quenching facility.	Coke dry quenching facility is envisaged in the proposed project of Coke Oven Battery#7 and will be implemented.
v.	Coke Oven Gas shall be desulfurized.	Coke Oven Gas desulphurisation facilities are envisaged under this project and the same will be implemented.
vi.	Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.	The present project does not envisage installation of Blast Furnace. However, RSP has already installed Top Gas Recovery Turbine in Blast Furnace No.5, Stove waste heat recovery, Cast House and Stock House ventilation systems and in-house Slag Granulation facilities in all Blast Furnaces.
vii.	Secondary fume extraction system shall be installed on converters of Steel Melting Shop.	Secondary fume extraction system is envisaged in the present project New SMS#1 and will be implemented. RSP has already implemented Secondary fume extraction system in all existing SMS#2 converters.
viii.	Basic Oxygen Furnace (BOF) gas shall be cleaned dry.	Basic oxygen furnace (BOF) gas cleaning through Dry systems is envisaged in the present project – New SMS#1 & will be implemented.
ix.	85-90 % of billets shall be rolled directly in hot stage. RHF shall operate using only Light Diesel Oil or Mixed BF /CO gas.	Billets are not envisaged in the present project. Basically Rourkela Steel Plant is a flat product plant. All the Reheating Furnaces are being operated with Mixed Gas (Mixer of waste gases generated from Coke Ovens, Blast Furnaces & Steel Melting Shops). In case of emergency only, Light Diesel Oil will be used.
x.	Cold Rolling Mill (CRM) shall have CETP to treat and recycle the treated water from CRM complex. Sludge generated at CRM ETP shall be sent to TSDF.	The Cold Rolling Mill unit has been put down due to aging. A new CRM is under planning for which a separate EC proposal will be submitted.
xi.	Dust emission from Steel Plant stacks shall be up to 30 mg/Nm ³ .	The present project envisages all air pollution control systems with a stack emission < 30 mg/Nm ³ .

SN.	Specific Conditions of EC	Implementation Status of Action Plan
xii.	250929 KLD water shall be drawn from Brahmani River. No GW abstraction is permitted.	No ground water will be drawn. Water drawl from river Brahmani will be limited to 2,50,929 KLD, as permitted.
xiii.	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.	RSP is in the process of engaging a third party (external) for carrying out performance evaluation test of all existing Air Pollution Control systems. The performance evaluation report will be submitted to the regional office of MoEF&CC by March, 2025.
xiv.	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF &CC.	Based on the recommendation and the approval received from the Principal Chief Conservator of Forests & Chief Wild Life Warden, Dept. of Forests, Govt. of Odisha, RSP has transferred Rs. 1220.79 Lakh to Dept. of Forests for implementation of approved Site-Specific Wildlife Management Plan through DFO, Rourkela. Copy is given as Annexure -1.
xv.	Three tier Green Belt shall be developed in a time frame of one year covering 600.16 ha area with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF &CC. In addition, Block plantation shall be done on vacant land within the premises of the plant.	RSP has sanctioned Rs. 418. 52 Lakh for carrying out plantation of 2 lakh saplings inside the plant premises which includes new plantation and strengthening of Green Belt, and their subsequent maintenance for two years. Two external agencies have been engaged for carrying out the tree plantation. During 2024-25, it is planned to plant 1 lakh saplings which is under progress. Survival rate is monitored and casualties will be replaced with the new saplings. The bloc plantation at proposed location is under progress within the premises of the plant.
xvi.	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Being implemented in different areas inside the plant.
xvii.	Zero Liquid Discharge (ZLD) scheme for the entire complex shall be implemented by March, 2023 as committed.	The Treatment System has been established and taken in to line and presently in operation.

B) General Conditions :

SN.	General Conditions of EC	Implementation Status of Action Plan
I.	Statutory compliance: i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	Is being followed.
II.	Air quality monitoring and preservation	
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be 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.	i. RSP has already installed 34 no. of online continuous (24x7) Continuous Emission Monitoring Systems (CEMS) in different existing Stacks in the plant which are in continuous operation. ii. RSP has also installed 4 no. Ambient Air Quality Monitoring Stations (AAQMS) covering 4 directions and are in continuous operation. iii. All these stations are uplinked with SPCB & CPCB servers through GPRS system. iv. The monitoring report is submitted on monthly basis to SPCB, CPCB & MoEFCC. v. All the new stacks envisaged under this project will be provided with CEMS and the monitoring data will be uplinked with the servers of CPCB & SPCB.
ii.	The project proponent shall 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.	RSP has deployed a NABL accredited laboratory for monitoring Fugitive emissions, inside the plant and the reports are submitted to SPCB, CPCB through monthly Environment Status Reports.
iii.	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	Will be complied with at the time of construction of project.

SN.	General Conditions of EC	Implementation Status of Action Plan
iv.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Will be complied with at the time of establishment of the project.
v.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Will be provided in all Bag Houses envisaged under this project.
vi.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Two number of truck mounted vacuum cleaners have been deployed inside the plant.
vii.	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.	The present project envisaged installation of 0.18 MTPA Micro pellet plant for gainful utilisation of fines collected from air pollution control systems, water pollution control systems. Contract has been awarded and the execution work is under progress.
viii.	The project proponent shall be use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin	All raw materials like Coal and others are being transported with closed belt conveying systems. Suitable Dust Extraction & Dust Suppression systems are provided. If Coal or any other raw materials are transported in case by trucks/dumpers, the vehicles will be covered with tarpaulin.
ix.	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).	Chain Conveyor Belt for collection of coke/coal spillages and land based industrial vacuum cleaning facilities are envisaged under COB#7 project and will be implemented.
x.	Land-based APC system shall be installed to control coke pushing emissions.	Land based APC system is envisaged under this project and will be implemented.
xi.	Monitor CO, HC and O ₂ in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.	Are being carried out regularly.

SN.	General Conditions of EC	Implementation Status of Action Plan
xii.	Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.	Vapor absorption system is envisaged under this project – COB#7 and will be implemented.
xiii.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	The envisaged additional coal requirements as raw material are to be kept in silos. Dust extraction/suppression systems are envisaged under this project. However water spray arrangements will be made in the old raw material handling plant stock piles.
xiv.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Will be considered while designing the systems and will be complied to.
III.	Water quality monitoring and preservation	
i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 3pt March, 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May, 2008 (Sponge Iron) 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.	i. 6 number of Continuous Effluent Monitoring Systems have already been provided as per E(P) Rules, 1986 and amended from time to time. ii. All the 6 CEMS are connected to the servers of SPCB and CPCB. iii. These systems are being calibrated from time to time as per specifications.
ii.	The project proponent shall 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.	RSP established 6 number of bore wells with water sampling and monitoring facilities along the plant boundary covering all directions. The water table and water quality are being monitored half yearly basis.

SN.	General Conditions of EC	Implementation Status of Action Plan
iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	RSP has established a new Sewage Treatment Plant with MBBR – Moving Bed Bio Reactor Technology, for treating the plant sewage in Sept., 2022 and the same is in operation.
iv.	The project proponent shall provide the ETP for coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) dated 3rd March, 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May, 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7th December, 2015 (Thermal Power Plants) as amended from time to time as amended from time to time;	Provision of a new Biological Oxidation and De-Phenolisation Plant (BOD Plant) based on MBR/MBBR technology is envisaged under this project and will be implemented along with COB#7.
v.	Garland drains and collection pits shall be provided 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.	Network of drains along with collection pits are provided in the existing plant and the same will be extended to the new projects also.
vi.	Tyre washing facilities shall be provided at the exit and entrance of the plant gates:	RSP established a Tyre Washing Facility at Hirakud Gate and is in operation.
vii.	Water meters shall be provided at the inlet to all unit processes in the steel plants.	Water meters will be installed in all units envisaged under this project.
IV.	Noise monitoring and prevention Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Noise monitoring is being carried out regularly and being submitted on half yearly basis to MoEFCC.

SN.	General Conditions of EC	Implementation Status of Action Plan
V.	Energy Conservation measures	
i.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.	The present project has not envisaged installation of Blast Furnace. However, RSP is using Torpedo Ladles along with open top ladles in existing Blast Furnaces for hot metal transfer.
ii.	Restrict Gas flaring to < 1 %.	Being followed.
iii.	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	The following Solar Systems are planned under this project; 1. Installation of 291 number of Solar Street Lighting Systems at 20 locations in Bisra, Lathikata & Nuagaon Blocks by allocation of Rs. 150.00 Lakh. 2. 100 number of Solar Street Lighting Systems in the vicinity of Rourkela Steel Plant and Township by allocation of Rs. 69.00 Lakh. 3. Providing 5 number of Solar Drinking Water Systems in Slums around Rourkela by allocation of Rs. 51.90 Lakh Total Budget allocation for Solar Systems = Rs. 270.90 Lakh
iv.	Provide LED lights in their offices and residential areas.	All the packages covered under this project are designed with LED lighting System. In addition all solar street lighting are provided with LED lighting system.
v.	Ensure installation of regenerative/recuperative type burners on all reheating furnaces.	Will be complied during establishment of project.

SN.	General Conditions of EC	Implementation Status of Action Plan
VI	Waste management	
i.	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.	Oil collection trays and pits are provided in the oil cellars to collect and reuse/recycle spilled oil.
ii.	Kitchen waste shall be composted or converted to biogas for further use.	Bio compost plant has already been installed inside Rourkela Steel Plant for converting the kitchen (canteen) waste into compost and the same is gainfully utilised as manure in different gardens inside plant.
VII	Green Belt	
i.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.	The GHG emission inventory report along with reduction programme with Carbon sequestration is prepared and attached as Annexure-2 .
ii.	Project proponent shall submit a study report on De-carbonization program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage after offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.	RSP has engaged M/s Dastur & Co which is a NABET accredited organisation and expert in Steel Industry for preparation of Decarbonisation programme considering the future expansions and adoption of new technologies for Carbon Capture Utilisation Storage (CCUS) The study by M/s Dastur & Co is under progress and the report is expected by March, 2025.
VIII	Public hearing and Human health issues	
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Is being implemented.
ii.	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.	PPEs are provided as per the norms. Heat stress analysis for workmen is being carried out by Occupational Health Services Centre of Rourkela Steel Plant regularly.

SN.	General Conditions of EC	Implementation Status of Action Plan
iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Health check up of all employees, once in a year in Occupational Health Service Centre of Rourkela Steel Plant is made compulsory and the history is maintained digitally.
IX.	Environment Management	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	RSP established a dedicated CSR department for taking care the overall development of Peripheral villages. RSP adopted 16 villages in 4 number of revenue blocks and are being developed as Model Steel Villages. The villages are Bankibahal, Baniguni, Dumerjore, Jagdishpur, Jaidega, Ushra, Lodosera, Laing, Bijadhi, Dalposh, Jabaghat, Jamsera, Jabapanposh, Kapatmunda, Pogradahal & Chikatmati which are in the revenue blocks of Kuarmunda, Rajgangpur, Bisra & Lathikata. Under CER, a sum of Rs. 741.50 Lakh has been earmarked for overall development of Peripheral villages. The developmental activities in these Peripheral villages are being taken up in consultation with local district administration and other stake holders.
ii.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements I deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Steel Authority of India Limited (SAIL) under which RSP is one integrated steel plan has an Environment Policy duly signed and released by Chairman, SAIL. Scanned copy is attached as Annexure-3. SAIL-RSP has established a system of capturing violations/ deviations/ infringements w.r.t. Environment/Forests/Wild Life norms. Under this system the deviation report is prepared on quarterly basis which is duly signed by Director I/c, Rourkela Steel Plant and submitted for review by Board Level Sub Committee of SAIL on quarterly basis. The duly approved copy of the deviation report for the period July-September, 2024 is attached as Annexure-4.
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	SAIL – Rourkela Steel Plant established a dedicated Environment Engg. Department in Rourkela in the year 1989. The department along with a Environment Laboratory is provided with qualified Environment Engineers and headed by a senior officer in the rank of General Manager I/c.

SN.	General Conditions of EC	Implementation Status of Action Plan
X	Miscellaneous	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	A paper advertisement was released in three news papers viz., Sambad, Dainik Jagaran & Indian Express covering Odia, Hindi and English languages respectively on 12/04/2022. The scanned copies of the advertisements released are attached as Annexure-5.
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	The Environment Clearance copies are submitted to the heads of the following on 06/04/2022; 1. The District Magistrate & Collector, Sundargarh 2. The Commissioner, Rourkela Municipal Corporation 3. The Regional Officer, OSPCB, Rourkela 4. The Secretary, Rourkela Development Authority 5. The General Manager, District Industries Centre, Sundargarh 6. The Chairman, Zilla Parishad, Sundargarh
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	The status reports are being uploaded to the web sites of SAIL (www.sail.co.in) & MoEFCC on half yearly basis.
iv.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (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.	The monitored Ambient Air Quality & Stack Emission data viz., PM10, SO2, NOx is being displayed in the form of Flex Boards, in front of Main Gate of RSP and the data is updated once in a quarter. In addition, RSP has established an electronic display board in front of Main Gate to display the Ambient Air Quality and Stack Emission levels continuously for the disclosure to the public. This data is uploaded to the SAIL's website on half yearly basis (www.sail.co.in)
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Being followed strictly.

SN.	General Conditions of EC	Implementation Status of Action Plan																																																	
vi.	The project proponent shall 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.	The Environment Statement in Form-V is prepared and submitted to OSPCB regularly before 30 th September every year.																																																	
vii.	The project proponent 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, commencing the land development work and start of production operation by the project.	<table><tr><td>SN.</td><td>Project Package</td><td>Date of Financial Sanction & Final approval</td><td>Date of commencement of work</td><td>Remarks</td></tr><tr><td>1.</td><td>Coke Oven Battery no. 7</td><td>07/09/2024</td><td>-</td><td>Contract under finalisation</td></tr><tr><td>2.</td><td>Oxygen Plant</td><td>25.08.2023</td><td>01.05.2024</td><td>Execution is under progress.</td></tr><tr><td>3.</td><td>New Steel Melting Shop</td><td>-</td><td>-</td><td>Project is under finalisation.</td></tr><tr><td>4.</td><td>Natural Gas Pipe Line Network</td><td>-</td><td>-</td><td>Project is under finalisation.</td></tr><tr><td>5.</td><td>New Normalising Furnace</td><td>-</td><td>-</td><td>Project is presently kept on hold due to market conditions.</td></tr><tr><td>6.</td><td>Micro Pellet Plant</td><td>01/07/2024</td><td>30/08/2024</td><td>Contract signed on 29/08/2024.</td></tr><tr><td>7.</td><td>Stove No. 4 in BF#5</td><td>-</td><td>-</td><td>Tendering is at final stage.</td></tr><tr><td>8.</td><td>Granshot in Blast Furnaces</td><td>-</td><td>-</td><td>Project is kept on hold.</td></tr></table>					SN.	Project Package	Date of Financial Sanction & Final approval	Date of commencement of work	Remarks	1.	Coke Oven Battery no. 7	07/09/2024	-	Contract under finalisation	2.	Oxygen Plant	25.08.2023	01.05.2024	Execution is under progress.	3.	New Steel Melting Shop	-	-	Project is under finalisation.	4.	Natural Gas Pipe Line Network	-	-	Project is under finalisation.	5.	New Normalising Furnace	-	-	Project is presently kept on hold due to market conditions.	6.	Micro Pellet Plant	01/07/2024	30/08/2024	Contract signed on 29/08/2024.	7.	Stove No. 4 in BF#5	-	-	Tendering is at final stage.	8.	Granshot in Blast Furnaces	-	-	Project is kept on hold.
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8.	Granshot in Blast Furnaces	-	-	Project is kept on hold.																																															
viii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Will be adhered to.																																																	
ix.	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).	Will be adhered to.																																																	
x.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.																																																	

SN.	General Conditions of EC	Implementation Status of Action Plan
xi.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
xii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and will be complied.
xiii.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.	Noted and will extend full co-operation to the Integrated Regional Office, MoEFCC, Bhubaneswar by furnishing the requisite data/ information/monitoring reports.
xiv.	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.	Noted.

Annexure-1

PCCF I/c CWLW's approval of Wild Life Conservation Plan

OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS
(WILDLIFE) & CHIEF WILDLIFE WARDEN, ODISHA,

BDA APARTMENT, 5TH FLOOR, PRAKRUTI BHAWAN, NILAKANTHA NAGAR, BBSR-12

Ph. No.0674-2564587, FAX No.0674-2565062

(Website:odishawildlife.org, E. mail: odishawildlife@gmail.com)

No. 9355 /1WL-SSP-54/2016

Dated, Bhubaneswar the 29th Nov, 2016

To

✓ The Deputy General Manager (Projects),
Steel Authority of India Ltd.,
Rourkela Steel Plant,
Rourkela

Sub: Proposed 3 MTPA Hot Strip Mill, 3.3 MTPA Beneficiation & 2 MT Pellet Plant and Expansion of the existing Special Plate Plant within the premises of Rourkela Steel Plant of M/s SAIL at Rourkela in Sundargarh District - Site Specific Wildlife Conservation Plan

Sir,

It is to inform you that M/s Steel Authority of India Ltd. has to implement a Site Specific Wildlife Conservation Plan for its proposed 3 MTPA Hot Strip Mill, 3.3 MTPA Beneficiation & 2 MT Pellet Plant and Expansion of the existing Special Plate Plant within the premises of Rourkela Steel Plant at Rourkela in Sundargarh district in compliance to the Generic ToR No.68 prescribed by Govt. of India, MoEF&CC in their letter in F.No. J-11011/66/2014-IA.II(I) dt 27.6.2014.

2. The Site Specific Wildlife Conservation Plan in respect of the above project has been approved by the undersigned with financial forecast of **₹1406.79 lakh** (Rupees fourteen crore six lakh seventy-nine thousand) only for the following activities.

a. For activities to be implemented by the user agency in project area	₹186.00 lakh
b. For activities to be implemented by DFO, Rourkela Division in project impact area	₹1220.79 lakh
Grand Total:	₹1406.79 lakh

3. Various activities in the lease hold area will be executed by the Project proponent under the guidance of the Divisional Forest Officer, Rourkela Division. Instructions regarding modalities for deposit of funds of ₹1220.79 lakh for the purpose for implementation of various activities within the project impact area in Rourkela Division will be issued separately.

P.T.O.

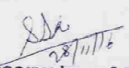
-2-

4. The User Agency may be advised to note the following conditions for future compliance.

- This Plan may be revisited after 5 years and the User Agency will give undertaking to contribute towards the revised cost of the conservation plan till the project period, if any.
- The project proponent has to prepare and submit the Conservation Plan for the next 10 years. If there would be need for Site Specific Wildlife Conservation Plan after expiry of the present plan period, the user agency will have to submit another such plan at least one year before the expiry of the present Conservation Plan and deposit the outlay amount upon its approval. In case of delay, it will be dealt as per law for violations of Forest Conservation Act, 1980 and Environment (Protection) Act, 1986.
- The project proponent has to give an undertaking to bear the differential cost in case of enhancement of wage rate at the time of implementation of this plan.

Encl: 2 copies of approved
site specific WL Conservation Plan

Yours faithfully


Principal Chief Conservator of Forests (WL)
& Chief Wildlife Warden, Odisha

Memo No. 9356 /date 29-11-2016

Copy forwarded for information and necessary action to -

1. Special Secretary to Govt. of Odisha, Forest & Environment Deptt.
2. Principal Chief Conservator of Forests, Odisha
3. Regional Chief Conservator of Forests, Rourkela Circle with reference to his memo No.1848 dt 23.8.2016
4. Divisional Forest Officer, Rourkela Division alongwith a copy of the approved site specific wildlife conservation plan with reference to his memo No.5405 dt 22.9.2016


Principal Chief Conservator of Forests (WL)
& Chief Wildlife Warden, Odisha

Annexure-2

Rourkela Steel Plant GHG Emission Inventory, Reduction and Carbon Storage by Trees (April – September.,2024)

1. EC Condition :

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.

2. Methodology followed for preparation of Carbon Budgeting for the period 2022-23 to 2029-30 :

- a. MoEFCC has issued EC to RSP for a Hot Metal Production of 4.855 MTPA, Crude Steel Production of 4.850 MTPA & Saleable Steel Production of 4.325 MTPA on 30/03/2022.
- b. As per the plan the proposed projects will be established over a period of 57 months after getting financial sanctions and finalization of contract. The projects are expected to be established by 2028-29 and will be fully commissioned by 2030.
- c. The GHG emission inventory is prepared based on the production level of 2021-22. For the year 2021-22, the Hot Metal Production is 4.337 MTPA & Crude Steel Production is 3.987 MTPA.
- d. The Specific CO₂ emissions are calculated based on the latest World Steel Association methodology (User Guide Version 11).
- e. The CO₂ emissions on account of power consumption in new projects and phasing out of existing old units area considered.
- f. Carbon di Oxide sequestration rate of 8.47 kg/Tree/year is considered for Rourkela, as per the suggestion of TFR, Jabalpur .
- g. The survival rate of trees is considered as 80%.

3. Carbon Budgeting for (2020-21 TO 2029-30)

SN.	Description	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
1	Total Crude Steel Production capacity of Rourkela Steel Plant for which EC is obtained (Unit : MTPA)	4.2	4.2	4.850	4.850	4.850	4.850	4.850	4.850	4.850	4.850
2	Target/Actual production of total crude steel achieved. (Unit : MTPA)	3.499	3.989	4.038	4.161	4.360	4.400	4.400	4.400	4.400	4.850
3	CO2 emissions										
3a.	Sp. CO2 emission Target/Actual from existing steel plant calculated based on IISI methodology for base year (Unit : T/TCS)	2.667	2.67	2.665	2.613	2.365	2.353	2.340	2.326	2.308	2.199
3b.	Quantum of CO2 emission from the existing Rourkela Steel Plant (SN. 2 x 3a) (Unit : Tonnes/Year)	9331833	10650630	10761270	10872693	10311400	10353200	10296000	10234400	10155200	10665150
3c.	Additional Renewable Power (Hydel & Solar) and Green Power (TRTG & BPTG) MW/Year	0	0	0	0	0	80811	80811	80811	80811	168411
3d.	Equivalent quantum of CO2 emission reduction after commission of new Renewable Energy & Green Energy projects (@ 1 MW = 0.504 Tons of CO2) (Unit : Tonnes)	0	0	0	0	0	40729	40729	40729	40729	84879
3e.	Total net quantum of CO2 emissions from the existing Rourkela Steel Plant & New Projects (SN. 3b - 3d) (Unit : Tonnes/Year)	9331833	10650630	10761270	10872693	10270671	10312471	10255271	10193671	10070321	10580271
4	Carbon Sequestration :										
4a.	Plantation made / planned to made in coming years	51299	8806	47140	7792	50000	50000	50000	50000	50000	50000
4b.	Cumulative no. of trees planted since inception.	5105637	5114443	5161583	5169375	5219375	5269375	5319375	5369375	5419375	5469375
4c.	No. of tree survived (Survival rate @ 80%)	4084510	4091554	4129266	4135500	4175500	4215500	4255500	4295500	4335500	4375500
4d.	Carbon di Oxide sequestration through trees in Rourkela as per TFRI, Jabalpur (@ 8.47 kg/tree/year)	34596	34655	34975	35028	35366	35705	36044	36383	36722	37060
5	Net Carbon di Oxide emission (SN. 3e-4d) (Unit : Tonnes/day)	25472	29085	29387	29692	28042	28156	27998	27828	27489	28886
6	Reduction of CO2 reduction in Tons	-	-3613	-302	-305	1650	-114	158	170	339	-1396
7	% reduction in quantum of CO2 reduction w.r.t. previous year	-	-14.2%	-1.0%	-1.0%	5.6%	-0.4%	0.6%	0.6%	1.2%	-5.1%

Assumptions :

- 1) Hydel Energy @ 10 MW will be ready by April, 2025
- 2) 1225 KV roof top solar in Township will be ready by April., 2025
- 3) TRTG in BF#1 & BPTG in COB#7 will be ready by April, 2029.

Annexure - 3
Scanned copy of Corporate Environment Policy



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED

Corporate Environmental Policy

Steel Authority of India Limited, one of the leading steel producers of India, in its endeavour to strengthen environment management and maintain clean and sustainable environment in and around its plants, mines & other units is committed to:

- i. Protect the environment by integrating sound environmental practices for control and prevention of pollution from all its activities.
- ii. Comply with legal and other requirements pertaining to the environment, forests and wildlife and to go beyond.
- iii. Systematic approach of environment management by accreditation with Environment Management System.
- iv. Contribute towards mitigation of climate change through adoption of measures to reduce emission of greenhouse gases, enhancing green coverage, adopting energy efficient technologies, enhancing use of green energy.
- v. Promoting innovative environment-friendly processes and products.
- vi. Ecological restoration of degraded mined out landscapes.
- vii. Integrate principle of “reduce, recover, recycle and reuse” in its operations for conservation of natural resources, including water, to ensure sustainable future.
- viii. Continual improvement of environmental performance by setting challenging targets, transparent reporting system and robust review mechanism.
- ix. Continuously monitor emissions, discharges and ambient air quality and uplink with SPCB and CPCB portals for self-regulation of environmental deviations, if any.
- x. Communicate environmental performance to all stakeholders through annual report, Board report, Corporate Sustainability Report and all such means from time-to-time.
- xi. Engaging employee for commitment and responsibility towards environment protection through capacity building.
- xii. Promoting environmentally responsible behaviour amongst all stakeholders.

Annexure-4

RSP's Deviation Report for the period July – September, 2024

Annexure-1(a)



सैल SAIL

Rourkela Steel Plant

Deviation from Environmental Clearance Conditions

1. Name of the Plant/Unit : Rourkela Steel Plant
2. Name of the Project for which EC was granted : Modernisation Cum Expansion of SAIL - Rourkela Steel Plant for Enhancing Hot Metal Production from 4.500 MTPA to 4.855 MTPA, Crude Steel Production from 4.200 MTPA to 4.850 MTPA and Saleable Steel Production from 3.880 MTPA to 4.325 MTPA by Installing Coke Oven Battery#7, Steel Melting Shop#3, New Normalizing Furnace in New Plate Mill, New Oxygen Plant and Natural Gas Pipe Line Network Inside the Existing Plant Premises and Adopting Technological Measures in Existing Blast Furnaces for Enhancing Hot Metal Production viz, Stove No.4 in BF#5, Granshot, Micro Pelletisation Plant, within the premises of Rourkela Steel Plant
3. Environmental Clearance no., & date and Issuing authority : EC22A008OR110441, dated 30/03/2022
Director, MoEF&CC
4. Validity of Environment Clearance : 30th March, 2032
5. Period (Quarter) of the report : July - September., 2024
6. Deviation from Env. Clearance Conditions :

SN.	Environment Clearance Condition	Compliance Status	Deviation	Corrective Action Proposed
NIL				

Director I/c
Rourkela Steel Plant, SAIL



Rourkela Steel Plant
Deviation from Environmental Policy

Name of the Plant/Unit : Rourkela Steel Plant

Period (Quarter) of the report : July - September., 2024

a) Deviation from Corporate Environment Policy (SAIL) :

SN.	Policy Commitment	Deviation	Corrective Action Proposed
NIL			

b) Deviation from RSP's Integrated Management System Policy :

SN.	IMS Policy Commitment	Deviation	Corrective Action Proposed
NIL			

Director I/c
Rourkela Steel Plant, SAIL



सल SAIL

Rourkela Steel Plant

Compliance Report in respect of various Environmental Acts / Directions

Annexure-2

Name of the Plant/Unit : Rourkela Steel Plant
Period (Quarter) of the report : July - September., 2024

SN.	Show-cause Notice(s) / Directions issued by SPCB/CPCB/State Government/Central government/Court of Law under Air (PCP) Act, Water (PCP) Act, Environmental (Protection) Act & Wildlife (Protection) Act, during the quarter or Pending as on date	Present status and Action taken for compliance of the notices/directions	Bank Guarantee(BG) submitted, if any, with amount of BG and validity
1)	NIL	NIL	Nil

Director I/c
Rourkela Steel Plant, SAIL

Annexure-5
Scanned Copies of News Paper Advertisements
(Published on 12/04/2022)

1. Sambad (Odia News Paper), dated 12/04/2022 :

ଭାରତୀୟ ଇସ୍ପାତ ପ୍ରାଧିକରଣ ସଂସ୍ଥା
 ଭାରତୀୟ ଇସ୍ପାତ କାରଖାନା
 ଭାରତୀୟ ଇସ୍ପାତ-୭୬୯୦୧୧, ଓଡ଼ିଶା, ଭାରତ

ସେଲ୍ ଭାରତୀୟ ଇସ୍ପାତ କାରଖାନା ଆଧୁନିକୀକରଣ ଓ ସମ୍ପ୍ରସାରଣ
ସାଧାରଣ ବିଜ୍ଞପ୍ତି

ଭାରତ ସରକାରଙ୍କ ଦ୍ଵାରା ଓ ପରିବେଶ ମନ୍ତ୍ରାଳୟ ୨୦୨୨ ମସିହା ୩୦ ତାରିଖରେ ସେଲ୍ ଭାରତୀୟ ଇସ୍ପାତ କାରଖାନାର ଉତ୍ପାଦନ ଧାରାକୁ ବାର୍ଷିକ ୪.୫୦୦ ମିଲିୟନ ଟନ୍ ୪.୫୫ ମିଲିୟନ ଟନ୍, ଆଗୋଷ୍ଠିତ ଇସ୍ପାତ ଉତ୍ପାଦନ ବାର୍ଷିକ ୪.୨ ମିଲିୟନ ଟନ୍ ୪.୮୫୦ ମିଲିୟନ ଟନ୍ ଏବଂ ବିକ୍ରିଯୋଗ୍ୟ ଇସ୍ପାତ ୩.୮୮୦ ମିଲିୟନ ଟନ୍ ୪.୩୨୫ ମିଲିୟନ ଟନ୍ କୁ ବୃଦ୍ଧି କରିବା ନିମନ୍ତେ କାରଖାନା ପରିସର ମଧ୍ୟରେ କୋକ୍ ଓଭେନ ବ୍ୟାଟ୍ଟେରି-୭, ଷ୍ଟିଲ ମେଲ୍ଟିଂ ଷପ୍-୩, ନୂତନ ପ୍ଲେଟ ମିଲ୍ରେ ନୂତନ ନିର୍ମାଣକାର୍ଯ୍ୟ ପ୍ରଣେୟ, ନୂତନ ଅକ୍ସିଜେନ ପ୍ଲାଣ୍ଟ ଏବଂ ପ୍ରାକୃତିକ ଗ୍ୟାସ୍ ପାଇପ୍ ଲାଇନ ଶୁଷ୍କକ ରଥା ଉତ୍ପାଦନ ଧାରାକୁ ବୃଦ୍ଧି ଆଣିବା ପାଇଁ ନିର୍ଦ୍ଦେଶ ଦିଆଯାଇଥିବା ପ୍ରତିକ୍ଷେପ ଦେଖିବା ପରେ ଉତ୍ପାଦନ ଧାରାକୁ ନିମନ୍ତେ ପରିବେଶ ମନ୍ତ୍ରାଳୟ ପ୍ରଦାନ କରିଛି। ପରିବେଶ ଅନୁମତି ପତ୍ର ସେଲ୍ ଏବଂ କାର୍ଯ୍ୟ ଓ ପରିବେଶ ମନ୍ତ୍ରାଳୟର ସ୍ପେକ୍ଟ୍ରାଲ୍ ଉପଲବ୍ଧ ରହିଛି।
 ତାରିଖ: ୦୫.୦୪.୨୦୨୨ ଭାରତୀୟ ଇସ୍ପାତ କାରଖାନା ପକ୍ଷରୁ
 ସ୍ଥାନ: ଭାରତୀୟ ଇସ୍ପାତ ସ୍ଵା/- ଭାରତୀୟ ମହାପ୍ରବନ୍ଧକ (ପରିବେଶ ଇଞ୍ଜିନିୟରିଂ)

ପଞ୍ଜୀକୃତ କାର୍ଯ୍ୟାଳୟ: ଇସ୍ପାତ ଭବନ, ଲୋଡି ରୋଡ, ନୂଆ ଦିଲ୍ଲୀ-110003
 Corporate Identity Number: L27109DL1973GOI006454, Website: www.sail.co.in
 ପ୍ରତ୍ୟେକଙ୍କ ଜୀବନରେ ସେଲ୍ ସାଥି ଥାଉ

2. Dainik Jagaran (Hindi News Paper), dated 12/04/2022 :

स्टील अथॉरिटी ऑफ इंडिया लिमिटेड
राउरकेला इस्पात संयंत्र
 राउरकेला-769011 (ओडिशा), भारत

सेल - राउरकेला इस्पात संयंत्र का आधुनिकीकरण-सह-विस्तारण
सार्वजनिक सूचना

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय (एम.ओ.ई.एफ.सी.सी.), भारत सरकार ने 30 मार्च, 2022 को सेल-राउरकेला इस्पात संयंत्र को आधुनिकीकरण-सह-विस्तारण के लिए हॉट मेटल उत्पादन 4,500 एमटीपीए से 4,855 एमटीपीए, क्रूड स्टील उत्पादन 4,200 एमटीपीए से 4,850 एमटीपीए और सेलेबल स्टील उत्पादन 3,880 एमटीपीए से 4,325 एमटीपीए तक बढ़ाने के लिए कोक ओवन बैटरी # 7, स्टील मेल्टिंग शॉप # 3, नई प्लेट मिल में नई नॉर्मलाइजिंग फर्नेस, मौजूदा प्लांट परिसर के अंदर नया ऑक्सीजन फ्लाट और प्राकृतिक गैस पाइप लाइन नेटवर्क स्थापित करने और मौजूदा ब्लास्ट फर्नेस में तकनीकी उन्नतों को सम्भालने के लिए, राउरकेला इस्पात संयंत्र, राउरकेला के परिसर के भीतर मौजूदा ब्लास्ट फर्नेस से हॉट मेटल उत्पादन बढ़ाने के लिए पर्यावरण मंजूरी प्रदान की है। पर्यावरण मंजूरी पत्र की प्रति सेल और एम.ओ.ई.एफ.सी.सी. की वेबसाइटों पर देखी जा सकती है।
 दिनांक : 05/04/2022 राउरकेला इस्पात संयंत्र के लिए
 स्थान : राउरकेला हरसा/- महा प्रबंधक प्रमुख (पर्यावरण इंजीनियरी)

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3. The Indian Express (English News Paper) dated 12/04/2022 :

STEEL AUTHORITY OF INDIA LIMITED
Rourkela Steel Plant
 Rourkela - 769 011, Odisha, India

Modernization cum Expansion of SAIL - Rourkela Steel Plant
Public Notice

Ministry of Environment Forests and Climate Change (MoEFCC), Govt. of India has accorded Environment Clearance on 30th March, 2022 for Modernisation cum Expansion of SAIL - Rourkela Steel Plant for Enhancing Hot Metal production from 4,500 MTPA to 4,855 MTPA, Crude Steel Production from 4,200 MTPA to 4,850 MTPA and Saleable Steel Production from 3,880 MTPA to 4,325 MTPA by installing Coke Oven Battery#7, Steel Melting Shop#3, New Normalising Furnace in New Plate Mill, New Oxygen Plant and Natural Gas Pipe Line Network inside existing Plant premises and adopting technological measures in Existing Blast Furnace for Enhancing Hot Metal Production from the existing Blast Furnaces within the premises of Rourkela Steel Plant, SAIL, Rourkela. Copy of the Environment Clearance letter can be viewed at SAIL & MoEFCC's websites.
 Date : 05/04/2022 for Rourkela Steel Plant,
 Place : Rourkela Sd/- General Manager i/c (Env. Engg.)

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