



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Resident Director
JINDAL STAINLESS LIMITED
Kalinga Nagar Industrial Complex,
PO- Danagadi
Dist - Jajpur, Odisha,,Jajpur,Orissa-755026

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/OR/IND/262014/2021 dated 23 Mar 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC22A008OR182825 |
| 2. File No. | IA-J-11011/281/2007-IA.II(I) |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 3(a) Metallurgical industries (ferrous & non ferrous) |
| 6. Name of Project | Expansion of Crude Steel Production from 2.2 MTPA to 4.5 MTPA and Cold Rolling Mill Production from 1.6 MTPA to 2.6 MTPA within The Existing Steel Plant at Kalinga Nagar |
| 7. Name of Company/Organization | JINDAL STAINLESS LIMITED |
| 8. Location of Project | Orissa |
| 9. TOR Date | 28 Apr 2021 |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 01/06/2022

(e-signed)
Dr. R. B. Lal
Scientist E
IA - (Industrial Projects - 1 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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F. No. IA- J-11011/281/2007-IA.II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division – Industry I sector)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi – 110003

Dated: 1st June, 2022

To,

M/s. Jindal Stainless Limited
Kalinga Nagar Industrial Complex,
PO- Danagadi Dist - Jajpur, Odisha,
Orissa-755026
Email: envcell1@jindalstainless.com

Subject: Expansion of Crude Steel Production from 2.2 MTPA to 4.5 MTPA and Cold Rolling Mill Production from 1.6 MTPA to 2.6 MTPA within the existing Steel Plant by M/s. Jindal Stainless Limited located at Kalinga Nagar Industrial Complex, Village & Tehsil Danagadi, District Jajpur, Odisha –Environmental Clearance – regarding.

Sir,

This refers to your proposal no. **IA/OR/IND/262014/2021**, dated **23/03/2022** received through PARIVESH Portal for grant of **Environmental Clearance (EC)** for the project mentioned above.

- As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category '**A**' of **item 3(a) Metallurgical Industries (ferrous & non-ferrous) of the EIA Notification, 2006 and appraised at Central Level.**
- Accordingly, the above-mentioned proposal has been considered in **3rd meeting of Expert Appraisal Committee (Industry-1 Sector) held on 11-12th April, 2022.** The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>
- The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1) are as under: -

| S No | Particulars | Details |
|------|--|--|
| a. | Terms of Reference for undertaking EIA study | 28/04/2021 |
| b. | Period of baseline data collection | October 2020 to December 2020 |
| c. | Date of Public Consultation | 26/11/2021 |
| d. | Action plan to address the PH issues | An amount of Rs. 46.2 crore have been earmarked to address the issues raised during public hearing. Detail of activities proposed attached as Annexure 1. |
| e. | Location of the project | Kalinga Nagar Industrial Complex, Village & Tehsil |

| S No | Particulars | Details | | | |
|------|--|--|--------------------------------|----------------------------------|------------------|
| | | Danagadi, District Jajpur, Odisha. | | | |
| f. | Latitude and Longitude of the project site | Point | Direction | Latitude | Longitude |
| | | 1 | N | 20°58'02.15"N | 86°02'58.51"E |
| | | 2 | NE | 20°57'59.68"N | 86°03'18.99"E |
| | | 3 | E | 20°57'20.17"N | 86°03'42.57"E |
| | | 4 | SE | 20°57'10.49"N | 86°03'23.62"E |
| | | 5 | SE | 20°56'58.96"N | 86°03'29.76"E |
| | | 6 | SW | 20°56'23.33"N | 86°02'21.42"E |
| | | 7 | W | 20°57'21.61"N | 86°01'53.30"E |
| | | 8 | W | 20°57'24.40"N | 86°01'54.21"E |
| | | 9 | W | 20°57'22.16"N | 86°02'08.52"E |
| | | 10 | W | 20°57'14.81"N | 86°02'35.32"E |
| | | 11 | N | 20°57'38.84"N | 86°02'45.80"E |
| | | 12 | NW | 20°57'58.21"N | 86°02'27.20"E |
| | | 13 | NW | 20°58'09.82"N | 86°02'34.20"E |
| g. | Total land | 437.13 ha [Govt. Land] | | | |
| h. | Land acquisition details as per MoEF&CC O.M. dated 7/10/2014 | The proposed project does not require additional land and will be implemented within the existing land. | | | |
| i. | Existence of habitation & involvement of R&R, if any | Project site: Nil Complex: | | | |
| | | Habitation | Direction | Distance | |
| | | Danagadi | East | 2 km | |
| j. | Elevation of the project site | 120 m above mean sea level | | | |
| k. | Involvement of Forest land if any. | No Forest Land is involved. | | | |
| l. | Water body exists within the project site as well as study area | Project site: Nil Study area: | | | |
| | | Waterbody | Direction | Distance | |
| | | Brahmani | South | 7.3 km | |
| | | Ganda Nalla | East | 3.6 km | |
| m. | Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area | Nil | | | |
| n. | Project cost | Existing - INR 8398 Crores Proposed – INR 6017 Crores | | | |
| o. | EMP cost | Type | Capital (Rs. in Crores) | Recurring (Rs. in Crores) | |
| | | Proposed | 628.2 Cr | 41.5 | |
| p. | Employment opportunity | The employment generation from the proposed project / expansion during construction is 2180 (both direct & Indirect) & during operation, it is 2,240 (both direct and indirect). | | | |
| q. | Water and Power | Existing Water requirement is 26,640 m ³ /day and the | | | |

| S No | Particulars | Details |
|------|-------------|---|
| | requirement | water requirement for the proposed expansion project is estimated as 15,144 m ³ /day. Existing power requirement of 250 MW and for the proposed project is estimated as 196 MW. |

Unit configuration and capacity:

| S No. | Plant Equipment/ Facility | Existing facilities as per EC dated 17 th May,2018 and subsequent expansion of facilities as per EC dated 18 th September,2019 | | | | | | | | Proposed Units | | Final (Existing + Proposed) | |
|----------------------------|--|--|------------------|---------------------------------|------------------|--------------------|-----------------|---------------------------------|------------------|---|------------------|---|---------------------------------|
| | | Total (A+B) | | Implemented (A) | | Un-implemented (B) | | As per CTO | | Config-uration | Capacit-y | Configura-tion | Capacit-y |
| | | Config-uration | Capacit-y | Config-uration | Capacit-y | Config-uration | Capacit-y | Config-uration | Capacit-y | | | | |
| | Iron Making | - | - | - | - | - | - | - | - | - | 2.35 MTPA | - | 2.35 MTPA |
| 1 | Blast Furnace | - | - | - | - | - | - | - | - | 1x720 m ³ 1x1680 m ³ | 2.35 MTPA | 1x720 m ³ 1x1680 m ³ | 2.35 MTPA |
| 2 | Sinter Plant | - | - | - | - | - | - | - | - | 1x120 m ² 1x240 m ² | 3.64 MTPA | 1x120 m ² 1x240 m ² | 3.64 MTPA |
| SMS | | | 2.2 MTPA | | 1.1 MTPA | | 1.1 MTPA | | 1.1 MTPA | | 2.3 MTPA | | 4.5 MTPA |
| 3 | EAF | 2x150 T | - | 2x150 T | - | - | - | 2x150 T | - | - | - | 2x150 T | - |
| 4 | Induction Furnace | 2x6 T + 1x200 Kg + 1x30 T | - | 2x6 T + 1x200 Kg + 1x30 T | - | - | - | 2x6 T + 1x200 Kg + 1x30 T | - | 2x30 T | - | 3x30 T + 2x6 T + 1x200 kg | - |
| 5 | Cr Converter | - | - | - | - | - | - | - | - | 1x70 T | - | 1x70 T | - |
| 6 | BOF | - | - | - | - | - | - | - | - | 1x110 T 1x150 T | - | 1x110 T 1x150 T | - |
| | AOD | 2x150 T | - | 1x150 T | - | 1x150 T | - | 1x150 T | - | 1x150 T | - | 3x150 T | - |
| | LF | 2x150 T | - | 1x150 T | - | 1x150 T | - | 1x150 T | - | 2 x 150 T | - | 4x150 T | - |
| 7 | Caster Shop | 2x1 Strand | - | 1x1 Strand | - | 1x1 Strand | - | 1x1 Strand | - | 2x1 Strand | - | 4x1 Strand | - |
| CRM | | - | 1.6 MTPA | - | 0.8 MTPA | - | 0.8 MTPA | - | 0.8 MTPA | - | 1.0 MTPA | - | 2.6 MTPA |
| 8 | HAPL | 2 lines | 2x0.8 MTPA | 1 line | 1x0.8 MTPA | 1 line | 1x0.8 MTPA | 1 line | 1x0.8 MTPA | 1 line | 1x1.0 MTPA | 3 lines | 2 x 0.8 MTPA + 1 x 1.0 MTPA |
| 9 | CAPL | 2 lines | 2x0.45 MTPA | 1 line | 1x0.45 MTPA | 1 line | 1x0.45 MTPA | 1 line | 1x0.45 MTPA | 1 line | 1x0.5 MTPA | 3 lines | 2 x 0.45 MTPA + 1 x 0.5 MTPA |
| 10 | Tandem mill | - | - | - | - | - | - | - | - | 1 mill | 1x1.0 MTPA | 1 mill | 1 x 1.0 MTPA |
| 11 | Z mill | - | - | - | - | - | - | - | - | 2 mills | 2x0.15 MTPA | 2 mills | 2 x 0.15 MTPA |
| 12 | Bright annealing | - | - | - | - | - | - | - | - | 2 lines | 2x0.075 MTPA | 2 lines | 2 x 0.075 MTPA |
| 13 | Finishing lines (Slitting, cut to length, Skin pass mill etc.) | 10 lines | - | 10 lines | - | - | - | 10 lines | - | 10 lines | - | 20 lines | - |
| Ferro Alloy Complex | | - | 0.25 MTPA | - | 0.25 MTPA | - | - | - | 0.25 MTPA | - | 0.08 MTPA | - | 0.33 MTPA |
| 14 | Pelletisation | - | - | - | - | - | - | - | - | 1 unit | 0.7 | 1 unit | 0.7 |

| S No. | Plant Equipment/ Facility | Existing facilities as per EC dated 17 th May,2018 and subsequent expansion of facilities as per EC dated 18 th September,2019 | | | | | | | | Proposed Units | | Final (Existing + Proposed) | |
|-------|-----------------------------------|--|------------------|---|-----------|-----------------------|-----------|---|-----------|--|------------------|--|---|
| | | Total (A+B) | | Implemented (A) | | Un-implemented (B) | | As per CTO | | Config-uration | Capacit-y | Configura-tion | Capacit-y |
| | | Config-uration | Capacit-y | Config-uration | Capacit-y | Config-uration | Capacit-y | Config-uration | Capacit-y | | | | |
| | & Sintering of Cr ore | | | | | | | | | | MTPA | | MTPA |
| 15 | SAF –Ferro Chrome | 2x60 MVA + 3x27.6 MVA | 0.25 MTPA | 2x60 MVA + 3x27.6 MVA | 0.25 MTPA | - | - | 2x60 MVA + 3x27.6 MVA | 0.25 MTPA | - | - | 2x60 MVA + 3x27.6 MVA | 0.25 MTPA Increase in Fe-Cr production by change of feed from briquette to palletized sinter) |
| 16 | WHRB | 2x28.5 TPH | 13 MW | 2x28.5 TPH | 13 MW | - | - | 2x28.5 TPH | 13 MW | - | - | 2x28.5 TPH | 13 MW |
| 17 | AFBC | 50 TPH | | 50 TPH | | - | - | 50 TPH | | - | - | 50 TPH | |
| 18 | Briquette Plant | 180 TPH | 180 TPH | 126 TPH | 126 TPH | 54 TPH | 54 TPH | 126 TPH | 126 TPH | - | - | 180 TPH | 180 TPH |
| 19 | Jigging Plant | 100 TPH | 100 TPH | 100 TPH | 100 TPH | - | - | 100 TPH | 100 TPH | 50 TPH | 50 TPH | 150 TPH | 150 TPH |
| 20 | Thermal Power Plant | 2x125 MW | 250 MW | 2x125 MW | 250 MW | - | - | 2x125 MW | 250 MW | - | - | 2x125 MW | 250 MW |
| 21 | TRT (BF) | - | - | - | - | - | - | - | - | 14 MW | 14 MW | 14 MW | 14 MW |
| | Flux Complex | - | 0.35 MTPA | - | - | - | - | 0.35 MTPA | - | - | 0.39 MTPA | - | 0.74 MTPA |
| 22 | Lime –Dolo Calcining Plant | 1x600 TPD + 1x450 TPD | - | - | - | 1x600 TPD + 1x450 TPD | - | - | - | 2x600 TPD | - | 3 x 600 TPD + 1x450 TPD | - |
| 23 | Hydrated Lime Plant | 200 TPD | - | - | - | 200 TPD | - | - | - | - | - | 200 TPD | - |
| 24 | Air Separation Plant | 2x425 TPD | 850 TPD | 1x425 TPD | 425 TPD | 1x425 TPD | 425 TPD | 1x425 TPD | 425 TPD | 1x900 TPD | 900 TPD | 2x425 TPD + 1x900 TPD | 2 x 425 TPD + 1 x 900 TPD |
| 25 | Metal Recovery | 1x50 TPH + 1x80 TPH | 130 TPH | 1x50 TPH + 1x40 TPH | 90 TPH | 40 TPH | 40 TPH | 1x50 TPH + 1x40 TPH | 90 TPH | 1x50 TPH + 2x80 TPH | 210 TPH | 2x50 TPH + 3x80 TPH | 340 TPH |
| 26 | Railway siding with wagon tippler | 1 no. wagon tippler with 5 nos. line connecting from Sukinda Road Station. with ICD facility. | - | 1 no. wagon tippler with 5 nos. line connecting from Sukinda Road Station. with ICD facility. | - | - | - | 1 no. wagon tippler with 5 nos. line connecting from Sukinda Road Station. with ICD facility. | - | 2nos. wagon tippler with 7nos. line connecting through lead line of Tata Steel Limited from Jakhapura Station. | - | 3nos. wagon tippler with 12 nos. line including ICD facility | - |

5. The EAC, in its 3rd meeting of Expert Appraisal Committee (Industry-1 Sector) held on 11-12th April, 2022, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general conditions as detailed in the point below.

6. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant **Environmental Clearance for instant proposal of M/s. Jindal Stainless Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

A. Specific Conditions:

- i. Three tier Green Belt shall be developed in a time frame of one year covering 35% of total area (as committed by PP) 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 concern Regional Office of the MoEF&CC.
- ii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
- iii. 41,784 m³/day of water requirement after the proposed expansion shall be met from Brahmani River and by Internal recycling after prior approval of the Competent Authority. No ground water abstraction is permitted.
- iv. Cold Rolling Mill shall have its independent ETP. Hazardous waste generated in CRM shall be sent to TSDF and oily waste shall be sent to registered recyclers. Acid Recovery Plant shall be provided in CRM.
- v. Covered sheds and toe walls shall be provided for raw material storage to check any attrition of raw materials. Storage sheds shall have garland drains, material traps and shall be built on concrete platforms.
- vi. Top Recovery Turbine, Dry Gas Cleaning and Stove gas waste heat recovery systems shall be installed in BF.
- vii. Sinter Plant shall be equipped with Sinter cooler waste recovery system and suitable technology for control of dioxins and furans emissions from the plant.
- viii. TCLP analysis of the AOD slag shall be carried out periodically. In case of presence of hazardous material, the same shall be sent to TSDF. In case of non-hazardous material, AOD slag shall be utilized at project site for brick manufacturing and construction work after the recovery of metal.
- ix. The Oil scum and oily waste from CRM shall be sent to registered recyclers.
- x. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.

- c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
- xi. All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.
- xii. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.
- xiii. Particulate matter emission from stacks shall be less than 30 mg/Nm³.
- xiv. 85-90 % of billets shall be rolled directly in hot stage. RHF shall operate using only Light Diesel Oil as a fuel.
- xv. Submerged Arc Furnace and Electric Arc Furnace shall be of closed type with 4th hole extraction system.
- xvi. The progress made in CER shall be submitted along with six monthly compliance report to the IRO and also upload on the company web site.

B. General conditions:

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.

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 four 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 recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- 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.
- iii. 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.
- iv. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- v. 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.
- vi. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.

- vii. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- viii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

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 (G.S.R 414 (E) dated 30th May 2008; G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF); 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 recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- 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 recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- 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.
- vi. Tyre washing facilities shall be provided at the entrance/exit of the plant gates.

IV. Noise monitoring and prevention

- i. Noise quality 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.

V. Energy Conservation measures

- i. Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.

VI. Waste management

- i. Used refractories shall be recycled.
- ii. Kitchen waste shall be composted or converted to biogas for further use.

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 including plantation.
- 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 and 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.

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.
- 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 of Factory Act.
- iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

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, PP has committed to adopt 20 nearby villages for development activities. Out of 20 villages PP has already identified six villages namely Tikar, Kumbhiragadia, Manpur, Balungabandhi, Marurtikar and Khurunti villages.
- 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 / 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.
- 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.

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.
- 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.
- 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.

- iv. The project proponent shall 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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).
 - 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.
 - xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 - xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
 - 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.
 - 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.
7. This issues with the approval of the Competent Authority.

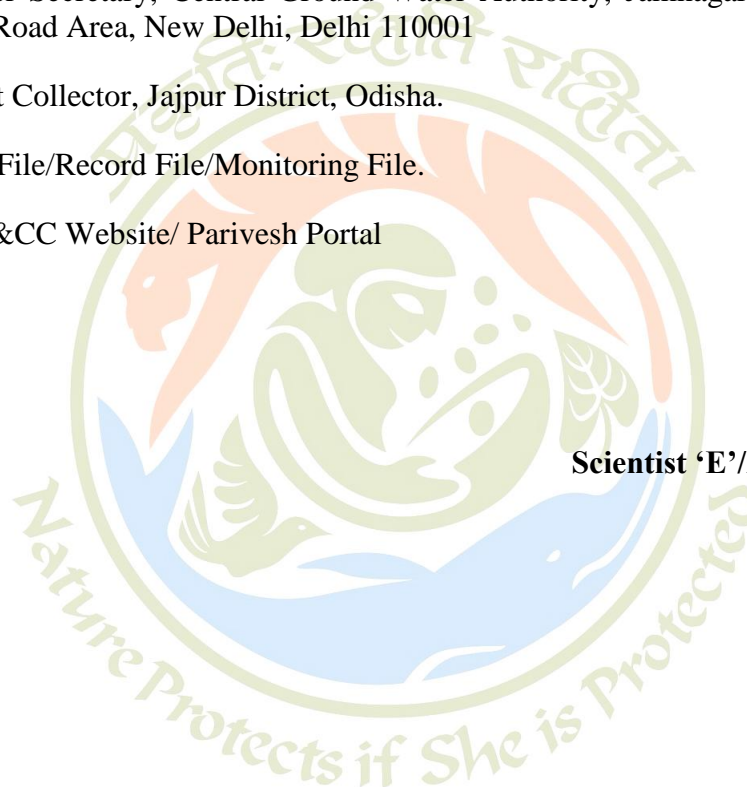


(Dr. B. R. Lal)
Scientist 'E'/Additional Director
Tel: 011-20819346
Email-rb.lal@nic.in

Encl. as above at Annexure -I

Copy to: -

1. Secretary, Department of Environment, Government of Odisha, Secretariat, Bhubaneswar.
2. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, A/3, Chandrasekharpur, Bhubaneswar – 751023.
4. Chairman, Odisha State Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
5. Chief Wildlife Warden, Govt. of Odisha, 5th Floor, BDA Apartments, Prakruti Bhawan, Nilakantha Nagar, Nayapalli, Bhubaneswar-751012
6. Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
7. District Collector, Jajpur District, Odisha.
8. Guard File/Record File/Monitoring File.
9. MoEF&CC Website/ Parivesh Portal



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Action plan as per MoEF&CC O.M. dated 30/09/2020

| Major Issue Raised | Action Plan | Physical Target | Time Line for Execution | | | Total Budget in Lakh |
|--|---|---|---|---|----------------------|----------------------|
| | | | Year 1 st | Year 2 nd | Year 3 rd | |
| Area Development | | | | | | |
| Development of Park | Set up of Indoor Sports Complex at Jajpur | Land selection and acquisition | Construction of Buildings and utilities | Supply of sports equipment, furniture and fixtures. | | 2000 |
| Development of public community hall | New establishment of community hall at 6nos. Of villages. | Set up in villages namely: Dhuligarh, Tikar, Trijanga: by providing new building with electrification. | Set up in villages namely: Damodarpur by providing new building with electrification. | Set up in villages namely: Mangalpur, Singagadia: by providing new building with electrification. | | 100 |
| Plantation activities in peripheral villages | Plantation drive at five numbers of village. | Village: Pankapal & Dhabalgiri Actual area and number of trees to be decided based survey and discussion with local authorities. Report will be sent to MoEF & CC as a part of Half Yearly EC Compliance. | Village: Jakhapura & Jajpur Road Actual area and number of trees to be decided based survey and discussion with local authorities. Report will be sent to MoEF & CC as a part of Half Yearly EC Compliance. | Village: Kharadi Actual area and number of trees to be decided based survey and discussion with local authorities. Report will be sent to MoEF & CC as a part of Half Yearly EC Compliance. | | 40 |
| Medical Facilities | | | | | | |
| Provision of health care facilities | Establishment of 100 bedded super specialties hospital at village Jakhapura | Land acquisition process to be completed. | Construction of Buildings and utilities. | Provision of medicalequipment, furniture and fixtures and essential medicines. | | 2000 |
| Medical assistance to cancer patients | Identification with assistance to cancer patients at village Kumbhiragadia | Assistance will be provided on case to case and need basis. | -- | -- | | 50 |
| Local Employment | | | | | | |
| Provide employment with preference to local people | Priority to be given for local employment during both construction and operation phase. | During Construction phase it is envisaged for Direct employment of 380 nos. and Indirect employment of 1800 nos & during operation phase direct employment of 715 nos. and Indirect employment of 1,525 no. During construction phase 70 % indirect employment and 30 % direct employment will be through local employment. During operation phase 90 % indirect employment and 30 % direct employment will be through local employment. | | | | -- |
| Education | | | | | | |
| Establishment of educational facilities | Renovation/Construction of additional new 2nos. of classrooms and electrification with sanitation facility at four nos. school. | At village: Asanabahali, Mantira | At village: Kumbhiragadia | At village: Tikara | | 60 |
| Establishment of | Establishment of skill | At village: | At village: | ---- | | 20 |

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|--|--|---|---|--|----------------------|----------------------------|
| | | | Year 1 st | Year 2 nd | Year 3 rd | |
| technical education/coaching centres | development centre and financial assistance to coaching centre at 2nos. Of villages. | Trijanga. Establishment of skill development centre like tailoring, mobile repairing. Financial assistance for four nos. of teachers to provided. | Asanbahali Establishment of skill development centre like computer education, beauty parlour, electrical machineries. | | | |
| Drinking Water facility | | | | | | |
| Provide drinking water to peripheral villages | Arrangement to be made in three numbers of villages. | At village Manpur: Set up of Pump house at the existing source and new pipeline laying of 1KM along with stand post. | At village Tikar: Set up of Pump house at the existing source and new pipeline laying of 1KM along with stand post. | At village Mantira Construction of 2 Nos. of Bore well. | | 30 |
| Women Empowerment | | | | | | |
| Strengthening of women empowerment measures in peripheral villages | Focus on various livelihood programme through Self Help Group (SHG) for women empowerment in peripheral villages. | Livelihood promotion through SHG that include dairy farming, poultry, goatery, Phenyl making, Agarwati making, Wheat grinding at 30nos. of villages in 7 GP of Danagadi block. | Establishment of sanitary napkin unit at Danagadi. Tailoring training at village Damdorpur, Kiapada and Dhabahali. | Establishment of neem powder and turmeric powder making unit at Danagadi/Jakhapura. Mushroom farming at Danagadi, Jakhapura. | | 300 |
| Environment | | | | | | |
| Air and Water pollution control | Effective APC devices to be in place during plant operation and set up of ETP for treatment of process of effluent. No wastewater discharge to be ensured. | Effective pollution control equipments with interlocking facility with process to be in place for proposed expansion project. continuous emission monitoring, ambient air quality monitoring and effluent quality monitoring to be done. Periodical Ambient air quality monitoring to be done in buffer zone of plant site. | | | | As per EMP budget of plant |
| Water sprinkling on roads to control air pollution | Extensive water sprinkling to be done in roads of peripheral villages. | Regular water sprinkling to be done in villages at Jakhapura and Manpur. | | | | 20 |