



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

To,

The GENERAL MANAGER
JANKI CORP LIMITED
DOOR NO 77, WARD NO 22, 2ND CROSS LEFT KAPPGAL
ROAD, BALLARI, Bellary, Karnataka-583101

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/KA/IND/269776/2009 dated 16 Jun 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC22A008KA110441 |
| 2. File No. | J-11011/576/2009-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 | addition of Steel Melting Shop-3,72,352 TPA producing Steel Rolled Product of 3,43,312 TPA, Sponge Iron Plant of 2x 350 TPD, Captive Power plant 40 MW (AFBC-21, WHRB-19) to the Existing Facility: Sp |
| 7. Name of Company/Organization | JANKI CORP LIMITED |
| 8. Location of Project | Karnataka |
| 9. TOR Date | 17 Feb 2010 |

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

Date: 14/11/2022

(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. J-11011/576/2009-IA-II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division – Industry I sector)

Indira Paryavaran Bhawan
Vayu Wing, 3rd Floor,
Jor Bagh Road, Aliganj,
New Delhi – 110003

Dated: 14th November, 2022

To,

M/s. Janki Corporation Limited.

Door No 77, Ward No 22, 2nd Cross Left Kappgal Road,
Bellary, Karnataka-583101
Email: narahari@jcl.co.in

Project: Expansion of Integrated Steel Plant with addition Steel Melting Shop-3,72,352 TPA producing steel Rolled Product of 3,43,312 TPA, Sponge Iron Plant of 2× 350 TPD , Captive Power plant 40 MW(AFBC-21, WHRB-19) to the Existing Facility: Sponge Iron Plant: 6× 100 TPD, Pellet Plant: 6,00,000 TPA, Captive Power Plant 15 MW(WHRB) and Iron Ore beneficiation Plant 6,00,000 TPA by M/s. Janki Corporation Limited located at Sidiginamola village, Bellary Taluk and District, Karnataka – Grant of Environmental Clearance.

Sir,

This refers to your proposal no. **IA/KA/IND/269776/2009** dated **16.06.2022** received through PARIVESH Portal for grant of **Environmental Clearance (EC)** for the project mentioned above. Further, the PP has uploaded the requisite information on Parivesh portal vide letter dated 05.08.2022 & 15.10.2022.

2. 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), 2(b) Mineral Beneficiation and 1(d) Thermal Power Plants** under Category "A" of the schedule of the EIA Notification, 2006 and appraised at Central Level.

3. The above-mentioned proposal has been considered in the **Expert Appraisal Committee (Industry-1 Sector) meetings held on 15-16 July , 2022 and 16th August , 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>.

4. The matter has been examined in the Ministry and accordingly the PP was asked to submit the No Objection certificate, vide dated 19.09.2022. In this regard, the PP has uploaded the No Objection certificate on 15.10.2022 form Karnataka Neeravari Nigam Limited, Government of Karnataka.

5. 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 Sector) are as under: -

S. No.	Particulars	Details submitted by the PP		
a.	Terms of Reference for undertaking EIA study	10.06.2020		
b.	Period of baseline data collection	01.12.2019 to 29.02.2020		
c.	Date of Public Consultation	24.08.2021		
d.	Action plan to address the PH issues	An amount of Rs. 3.0 Crores have been earmarked to address the issues raised during public hearing. Detail of activities proposed attached as Annexure 1 .		
e.	Location of the project	Palaspanga (Spongepatna), District- Keonjhar, Odisha		
f.	Latitude and Longitude of the project site	Corner	Latitude	Longitude
		01	15°11'17.47"	77°6'23.94"
		02	15°11'17.18"	77°6'25.96"
		03	15°11'3.86"	77°6'25.40"
		04	15°11'2.13"	77°6'32.35"
		05	15°11'0.00"	77°6'32.78"
		06	15°10'57.17"	77°6'44.54"
		07	15°10'52.51"	77°6'43.42"
		08	15°10'53.72"	77°6'38.12"
		09	15°10'40.62"	77°6'25.50"
		10	15°10'39.67"	77°6'31.31"
		11	15°10'28.91"	77°6'28.78"
		12	15°10'43.33"	77°6'35.82"
		13	15°10'44.16"	77° 6'33.20"
		14	15°10'54.51"	77° 6'35.54"
		15	15°10'56.40"	77° 6'29.97"
		16	15°10'28.82"	77° 6'25.30"
		17	15°10'18.19"	77° 6'21.83"
		18	15°10'21.73"	77° 6'11.11"
		19	15°10'23.55"	77° 5'58.08"
		20	15°10'32.25"	77° 5'59.60"
		21	15°10'46.41"	77° 6'7.76"
		22	15°10'32.33"	77° 6'4.94"
		23	15°10'48.78"	77° 5'54.99"
		24	15°10'56.47"	77° 5'56.12"
		25	15°10'58.03"	77° 5'43.22"
		26	15°11'9.25"	77° 5'47.24"
		27	15°11'11.25"	77° 5'43.74"
		28	15°11'14.21"	77° 5'43.87"
		29	15°11'17.02"	77° 5'40.92"
		30	15°11'19.57"	77° 5'44.22"
		31	15°11'21.15"	77° 5'52.41"
		32	15°11'11.96"	77° 5'51.33"
		33	15°11'7.21"	77° 6'12.87"
		34	15°11'13.18"	77° 6'15.53"

S. No.	Particulars	Details submitted by the PP		
		35	15°11'13.00"	77° 6'22.62"
		36	15°11'14.33"	77° 6'23.41"
g.	Total land	155.805 ha (385.16 acres) [KIADB: 219.11 acres, NA Land: 116.37 acres and KLA(u/s) 109: 49.68 acres]		
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Total land is in possession of JCL		
i.	Existence of habitation & involvement of R&R, if any	There is no involvement of R&R.		
		Habitation	Distance	Direction
		Karekallu Village	2.26	N
		Sidiginamola Village	3.10	W
		Meenahalli Village	4.08	WSW
		Gollanaganahalli Village	3.25	NNW
		Karekallu Veerapura Village	5.24	E
		Godehal Village	9.64	SSW
	Chakibanda Village	7.60	E	
j.	Elevation of the project site	426 m above mean sea level		
k.	Involvement of Forest land if any.	No involvement of Forest Land.		
l.	Water body exists within the project site as well as study area	<p>Project Site: Name: Village Pond in Sidiginamola</p> <p>Study area:</p>		
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	<p>Nil</p> <p>Tungabhadra Otter conservation WLS is at 54km in S direction</p> <p>Moka Reserve Forest 7.20 km</p>		
n.	Project cost	The capital cost of the proposed project is Rs 423.43 Crores.		
o.	EMP cost	Type	Capital (Rs. in Crores)	Recurring (Rs. in Crores)
		Proposed	43.11	9.939
p.	Employment opportunity	618 direct employment & 1000 indirect employment		
q.	Water and Power requirement	Water –8,602 KLD and 133 KLD of Drinking and Domestic Water, Power –41.23.MW		

Unit configuration and capacity:

S.	Existing facilities as per EC dated 23.01.2012	Final
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No	Plant Equipment / Facility	Total (A+B)		Implemented (A)		Un-implemented (B)		As per CTO		Proposed Units		(Existing + Proposed)	
		Config	Capacity	Config	Capacity	Config	Capacity	Config	Capacity	Config	Capacity	Config	Capacity
1	Sponge Iron Plant	6 ×100 TPD, 2 ×350 TPD	4,00, 000	6 ×100 TPD	1,80, 000 TPA	2 x35 0 TPD	2,20, 000 TPA	6 ×100 TPD	1,80, 000 TPA	2×3 50 TPD	2,30, 000 TPA	6 ×10 0 TPD , 2 x350 TPD	4,10, 000 TPA
2	Pellet Plant	6,00, 000 TPA	6,00, 000 TPA	6,00, 000 TPA	6,00, 000 TPA	--	--	6,00, 000 TPA	6,00, 000 TPA	--	--	6,00, 000 TPA	6,00, 000 TPA
3	Iron Ore Beneficiation Plant	6,00, 000 TPA	6,00, 000 TPA	6,00, 000 TPA	6,00, 000 TPA	--	--	6,00, 000 TPA	6,00, 000 TPA	--	--	6,00, 000 TPA	6,00, 000 TPA
4	Captive Power	15M W (WH RB) + 9 MW (AF BC)	15M W (WH RB) + 9 MW (AF BC)	15M W (WH RB)	15M W (WH RB)	9 MW (AF BC)	9 MW (AF BC)	15M W (WH RB)	15 MW (WH RB)	(AF BC- 21, WH RB- 19)	40 MW	(AF BC- 21, WH RB- 34)	55 MW
5	Steel Melting Shop	--	--	--	--	--	--	--	--	3,72, 352 TPA	3,72, 352 TPA	3,72, 352 TPA	3,72, 352 TPA
6	Rolling Mill	--	--	--	--	--	--	--	--	3,43, 312 TPA	3,43, 312 TPA	3,43, 312 TPA	3,43, 312 TPA

6. The EAC, in its meeting held during 16th August, 2022, inter-alia, deliberated the following:

- i. Instant proposal is for setting up of for new Steel Melting Shop-3,72,352 (TPA), Steel Rolled Product of 3,43,312 TPA, Sponge Iron Plant of 2× 350 TPD, Captive Power plant of 40 MW (AFBC-21 MW, WHRB-19 MW) to the Existing Facility: Sponge Iron Plant: 6× 100 TPD, Pellet Plant: 6,00,000 TPA, Captive Power Plant 15 MW (WHRB) and Iron Ore Beneficiation Plant 6,00,000 TPA within the existing premises.
- ii. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project

Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

- iii. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
- iv. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
- v. Tungabhadra Right Canal at 3.8 km flowing from west to north of project site, Hagari/Vedavathi River flowing from north to south on west side of the project site 3.9Km exists within the study area from the project site.
- vi. Total water requirement for the Existing and Proposed Project is 8,835 KLD. 133 KLD of Drinking and Domestic Water is drawn from Open Well of City Corporation at Hagari. and 8,602 KLD water will be drawn from Sewage Treatment Plant of City Corporation, Bellary.
- vii. Existing green belt has been developed in 42.18 ha area which is about 27.07 % of the total project area of 155.805ha with total sapling of 76902 Trees. The total area of greenbelt will be 57.183 Ha which comes to 36.7%. Green belt will be developed all along the project boundary and inside the plant by choosing fast growing and native plants. A 7.5 m wide greenbelt, consisting of at least 3 tiers around plant boundary will be developed as greenbelt and green cover as per CPCB/MoEF&CC, New Delhi guidelines. Local and native species will be planted with a density of 2500 trees per hectare. Total no. of 1,43,000 saplings will be planted and nurtured in 57.18 hectares in next one year.
- viii. The Committee has also found that the baseline data and incremental GLC due to the proposed project within NAAQ standards.
- ix. The Committee deliberated on the action plan and budget allocation for green belt development and noted that as committed by the PP the green belt development shall be completed within one year.
- x. The Committee also deliberated on the public hearing issues along with revised action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.
- xi. The Committee deliberated upon the certified compliance report of IRO MoEFCC and found it satisfactory.
- xii. The EAC also deliberated on the ADS information submitted by the proponent and found it satisfactory.

- xiii. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
- xiv. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. 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. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
7. The EAC, in its 11th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 16th August, 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.
8. 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 **Environment Clearance for instant proposal of M/s. Janki Corporation Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

A. Specific conditions:

- i. **The Project Proponent shall ensure the implementation of safeguard/mitigation measures as mentioned in the No Objection Certificate issued by the Karnataka Neeravari Nigam Limited, Government of Karnataka, vide No. KNNL/EE6/TS-3/2022-23/2223, dated 01/10/2022, regarding nallah flowing through the project premises.**
- ii. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- iii. The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iv. The activities and the action plan proposed by the project proponent to address the issues raised during public hearing and socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.
- v. Tungabhadra Right Canal at 3.8 km flowing from west to north of project site, Hagari/Vedavathi River flowing from north to south on west side of the project site 3.9Km exists within the study area from the project site. The water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be implemented. The management plan submitted w.r.t. canal shall be duly implemented for safeguarding the canal.

- vi. An adequate robust Erosion control and Soil Conservation Program (like Storm water diversion; Storm water drains with catch pits to trap run off material; Garland drains; Retention walls; Settling Ponds; Wheel washing arrangement; Silt removal from settling ponds & utilization; Greening & Paving; Excavated soil preservation for landscaping) shall be implemented.
- vii. Total water requirement for the existing and proposed project of 8,835 KLD shall be met from Open Well of City Corporation at Hagari and from Sewage Treatment Plant of City Corporation, Bellary. No additional GW abstraction is permitted.
- viii. Tailings from Iron Ore washing plant shall be dewatered in filter press and no slime /tailing pond shall be permitted.
- ix. Solid waste utilization
 - a. 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.
 - b. PP shall recycle/reuse 100 % solid waste generated in the plant.
 - c. Used refractories shall be recycled as far as possible.
- x. Secondary fume extraction system shall be installed on converters of Steel Melting Shop.
- xi. 85-90 % of billets shall be rolled directly in hot stage. RHF shall operate using only Light Diesel Oil or Mixed BF/CO gas/Producer gas. 100 % hot charging to ensure energy conservation.
- xii. Dust emission from Steel Plant stacks shall be up to 30 mg/Nm³.
- xiii. Three tier Green Belt shall be developed in a time frame of one year in atleast 33% of project 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.
- xiv. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
- xv. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.
- xvi. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
- xvii. The proposed project shall be designed as "Zero Liquid Discharge" Plant. No waste water will be discharged outside the plant boundary.
- xviii. As committed the project proponent shall adopt villages namely Sidgininamola and K Veerapura and implement a robust action plan to develop the villages in model villages.
- xix. No sale of dolochar is permitted.
- xx. Producer gas plant shall be closed circuit type.
- xxi. Air cooled condensers shall be used in the power plant.
- xxii. A proper action plan must be implemented to dispose of the electronic waste generated.
- xxiii. All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment

study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.

- xxiv. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- xxv. The PP may use Non-coking coal and coking coal, quartzite. PP has to monitor coal dust and silica content in different process plants using personal and area sampling and compare the concentrations with permissible exposure limits of Indian Factories Act. PP shall also monitor coal dust exposure concentrations at coal handling areas, ball mills, furnace charging areas through personal/area monitoring and it shall be within permissible limit.
- xxvi. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.

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 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.
- 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. Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.

- 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.
- v. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vi. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- 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.
- viii. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them 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).
- x. Land-based APC system shall be installed to control coke pushing emissions.
- xi. Monitor CO, HC and O₂ in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.
- 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.
- xiii. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- xiv. 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 vide G.S.R 277 (E) dated 31st 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.
- 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.
- iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. 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.
- v. Tyre washing facilities shall be provided at the entrance of the plant gates.
- vi. Water meters shall be provided at the inlet to all unit processes in the steel plants.

IV. Noise monitoring and prevention

- i. 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.

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.
- ii. Restrict Gas flaring to < 1%.
- 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;
- iv. Provide LED lights in their offices and residential areas.
- v. Ensure installation of regenerative/recuperative type burners on all reheating furnaces.

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.
- ii. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

- i. Green belt shall be developed in an area equal to 33% of the plant area with native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
- ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees in the plant premises.
- iii. Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon 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 monitorable 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.
- 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.
- ii. The company shall have a well laid down environmental policy duly approved 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, 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.
- 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. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.

- xi. 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.

9. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

10. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

11. Any appeal against this environmental clearance 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.

12. 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 and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

13. This issues with approval of the competent authority.

(Dr. R. B. Lal)
Scientist 'E'/Additional Director

Tel: 011-20819346

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Encl. as above at Annexure –I

Copy to: -

1. The Secretary, Department of Forest, Environment & Ecology, Government of Karnataka, Room No. 708, Gate 2, Multi Storey Building, Dr. Ambedkar Veedhi, Bangalore -560 001.
2. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi
3. The Member Secretary, Karnataka State Pollution Control Board, No. 25, 6– 9th Floor, Public Utility Building, M.G. Road, Bangalore – 560 001.
4. The Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore - 560034
5. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
6. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
7. The Chief Wildlife Warden, Govt. of Karnataka, Aranya Bhawan, 18th Cross, Malleswaram, Bangalore-560003

8. District Collector, Bellary, District, Karnataka.
9. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
10. Guard File/Monitoring File/Website/Record File/Parivesh Portal.



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

S. No.	Issues Raised during PH	Proponents/KP CB Response	Physical Targets	Budget allocated in INR	Time bound budget provision (Rs. In Lakh)			Remark
					Within 1 st Year	2 nd Year	3 rd Year	
Plantation Management								
1	Plantation with tree guard at Nearby Villages in addition to Inside Plant premise plantation	Project proponent clarified that trees will be planted in the factory area as well in adjacent villages with tree guard.	2000 trees will be planted in the nearby village Sidiginamola, Karekallu & K Veerapura villages within the First Year & maintained for next two years before handing over to the villagers. 1500 trees / village with tree guard shall be supplied for better survival	8.00	5.00	1.50	1.50	Plantation shall be started after next rainy season for better survivability.
Employment Management								
2	Employment to be given to maximum people from Nearby villagers.	Preference will be given to the local people depending upon their eligibility in the proposed project and then only the employment will be given to the outside people.	Employment as per the qualification to be given to 30 peoples from nearby 3 villages viz. 10 people each from Sidiginamola, Karekallu & K Veerapura villages will be provided	Budget to be included in Project Operation cost as per actual				

			jobs within next two year.					
Air Pollution & Management								
3	Control Measures for decreasing emission level & Dust Pollution	Provision of Pollution Control Devices	<p>Installation of GCP/ESP at stacks</p> <p>Fixed sprinkler installation like at each strategic locations for control of fugitive dust</p> <p>Adequate steps will be taken for dust control in the plant by installing ESPs and Bag filters. The dust generated during movement of vehicles and due to blowing of wind will be minimized by water sprinkling and ensuring trucks are covered with Tarpaulin</p>	Budget is already include in the EMP cost as for Pollution Control measures				
Water Pollution & Management								
4	Protection of a lake adjacent to Karekallu Village	<p>A pit of 6 mtr dia and 4 mtr depth exists gathering the storm water runoffs of the village.</p> <p>It will be protected from contamination by dust by</p>	The pond /Lake shall be de-silted and a burm shall be constructed around it for preventing any contaminations	15.00	5.00	5.00	5.00	

		<p>adopting air pollution control methods as suggested in EIA-EMP report.</p> <p>Also, pond water analysis shall be carried at quarterly intervals to maintain the water quality</p> <p>No runoff or effluent shall be allowed to channel to this pond /lake.</p>						
5	Providing Water Facility at the Village level	Company Shall Provide RWH ponds in each of the Sidiginamola, Karekallu, Paramadevana Halli, Meenahalli, K. Veerapura, Gollanagahalli villages.	Rainwater harvesting ponds shall be developed, in consultation with respective Gram Panchayats after proper site selection. Mostly the existing pond structures will be reclaimed for RWH.	15.00	5.00	5.00	5.00	
Noise Pollution & Management								
6	Noise Pollution levels should be controlled	Noise pollution and dust pollution – control will be done as part of our Corporate Environment Strategy.	Required controls for Noise pollution shall be carried out like installation of Acoustic enclosure to DG sets.	13.00	5.00	4.00	4.00	

Solid Waste Management

7	Integral Development of the Villages including Solid Waste Management and assisting Farmers for Agriculture	The required vehicle for collection of solid waste will be handed over to Sidiginamola Gram Panchayat and Composting facility will be developed in consultation with the Village Committee to generate manure for the farmers..	One MSW carrier vehicle of capacity 5 T Load shall be engaged in collection of domestic waste from households and a composting facility shall be developed in consultation with the villagers at a suitable location in the outskirt of the village.	40.00	20.00	10.00	10.00	On successful operation, after the first year of implementation, another vehicle shall be engaged for Karekallu & K Veerapura villages
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Social Infrastructure Management

8	In addition to the existing developmental work there is further scope for development work in the villages	Sidiginamola village will be adopted by Janki Corp Limited for wholsum developmental activities and monitored regularly for the results of implementations. K Veerapura village also will be adopted by Janki Corp Limited for wholsum developmental activities and monitored regularly for the results of implementations.	After Detailed Socio-Economic Status of the villagers, the necessary development activities shall be planned in coordination with the villagers.	144.00	48.00	48.00	48.00	This will be expended in consultation with the local bodies and villagers for common interests for the overall development of the adopted villages
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9	General Appeal for the company to provide the facilities such as uniforms, computers, water purification systems and furniture to the school.	Uniform, Computers, RO systems for drinking water shall be provided to Sidiginamola Village School	Initially 4 Computers, A water Purifier to cater to 300 persons shall be provided in the first year and then based on the student strength, the Uniforms for Girl Students shall be provided by the Company	14.00	8.00	3.00	3.00	
10	Industry has not provided any basic infrastructure to children's schools, Road's development etc.	Basic infrastructure to schools and Road development shall be carried out.	The 7km road length approaching to the Sidiginamola School shall be repaired for accessibility within three Years	18.00	6.00	6.00	6.00	
11	As a comprehensive development Plan for adopting two villages an ambulance need to be provided for public usage.	PP agreed to engage an Ambulance for the service of local public immediately	One equipped Ambulance shall be provided for the Public Usage.	15.00	15.00	-	-	This is a shared service for all villagers
12	Skill Based training to be given to local youth	Skill based training shall be organized to provide locals to gain the knowledge and abilities necessary to fulfil the specific job requirements.	The program shall be implemented in Sidiginamola, Karekallu, Paramadevan a Halli, Meenahalli, K. Veerapura, Gollanaganahalli villages	18.00	6.00	6.00	6.00	

			competent persons shall be involved in imparting the training. This will include vocational training for Women for Women Empowerment.					
Total				300.00	123.00	88.50	88.50	

