



Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church Street, Bengaluru-560001

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Consent For Operation(CFO-Air,Water) - (CfO-Expand)

**As per the provisions of
The Water (Prevention & Control of Pollution) Act, 1974
&
The Air (Prevention & Control of Pollution) Act, 1981**

To

**M/s. Janki Corp Limited,
90B/5,90C,90D,90E,90F,90G,90H,90I,91,92,95A,95B,95C,95D,95E,96A/1,96A/
2,96B/1A,96C/1,96C/2B,96C/3,96B/2,96C/2A,96B/1B,97A,97B,97C,97D/1,97D/
/2,98/1,98/2,98/3,98/4,100,225,226,227,228,252C,255,256&others of
Sidiginamola Village,Ballari Tq& District.**

for the Facility located at,

**M/s. Janki Corp
Limited,**

**Sy.Nos.4/1,19,25B,26,27,79D/2,80A/1,80A/2,80B,83A/1,83A/2,83B,84A/1,84A/2,84
A/3,84B,85C/2,86/A1,86/A2,86/B1,87/1,88/A1,88B,89A,89B/1,89B/2,89C/1,89C/2,
89C/3,89C/4,89D,89E/1,89**

E/2,89F,89G,89H,89I,90A/1,90A/2,90B/1,90B/2,90B/3,90B/4,

**90B/5,90C,90D,90E,90F,90G,90H,90I,91,92,95A,95B,95C,95D,95E,96A/1,96A/2,9
6B/1A,96C/1,96C/2B,96C/3,96B/2,96C/2A,96B/1B,97A,97B,97C,97D/1,97D/2,98/1
,98/2,98/3,98/4,100,225,226,227,228,252C,255,256&others of Sidiginamola
Village,Ballari Tq& District.**

Bellary

Consent Order No	PCBID	INW ID	Industry Colour/Scale	Date of Issue
AW-353328	10454	345859	RED/LARGE	24/03/2026

This Consent is granted for the Products/ Activity/Service name indicated in the annexure along with the terms & conditions attached to this order

Validity through: 24/03/2026 to 30/06/2027



ISO 9001:2015 & 14001:2015 Certified

Combined Consent Order No: AW-353328 **PCB ID:** 10454 **GSC No :** PBOXG0000335859 **Date:** 24/03/2026

Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act , 1974 and emission under the Air (Prevention and Control of Pollution) Act , 1981

- Ref: 1. Application filed by the applicant/organization on 13/02/2026
 2. Inspection of the Industry/organization/by RO, on 18/02/2026
 3. Proceedings of the ECM dated 11/03/2026 , held on 10/03/2026

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, (herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate /carryout industry/activity & to make discharge of the effluents & emissions confirming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

Location:

Name of the Industry: M/s. Janki Corp Limited

Address: Sy.Nos.4/1,19,25B,26,27,79D/2,80A/1,80A/2,80B,83A/1,83A/2,83B,84A/1,84A/2,84A/3,84B,85C/2, 86/A1,86/A2,86/B1,87/1,88/A1,88B,89A,89B/1,89B/2,89C/1,89C/2,89C/3,89C/4,89D,89E/1,89 E/2,89F,89G,89H,89I,90A/1,90A/2,90B/1,90B/2,90B/3,90B/4,, 90B/5,90C,90D,90E,90F,90G,90H,90I,91,92,95A,95B,95C,95D,95E,96A/1,96A/2,96B/1A,96C/1,96C/2 B,96C/3,96B/2,96C/2A,96B/1B,97A,97B,97C,97D/1,97D/2,98/1,98/2,98/3,98/4,100,225,226,227,22 8,252C,255,256&others of Sidiginamola Village,Ballari Tq& District.

Industrial Area: Not In I.A, Sidaginamola,

Taluk: Ballari, District: Bellary

CONDITIONS:

a) Discharge of effluents under the Water Act:

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Domestic Purpose	3.000	2.400	Sewage generated from expansion project shall be treated in existing Modular STP of capacity 150 KLD.
2	Others	300.000	0.000	Water used for cooling purposes in Ferro Alloy Plant shall be recycled completely.

b) Discharge of Air emissions under the Air Act from the following stacks etc.

Sl. No.	Description of chimney/outlet	Limits specified refer schedule
The details of Sources, control equipments and its specification, type of fuel, constituents to be controlled in emissions etc. are detailed in Annexure-II.		

The consent for operation is granted considering the following activities/Products;

Sr	Product Name	Applied Qty	Unit
1	ferro chrome of capacity 30,333 tpa under Phase-II of the project	30333.0000	Metric Tonnes/Annum
2	ferro manganese of capacity 36,300 tpa	36300.0000	Metric Tonnes/Annum
3	ferro silicon of capacity 13,200 tpa	13200.0000	Metric Tonnes/Annum
4	Ferro Alloy Plant of capacity (2 x 18 MVA)	1.0000	Mega Watt
5	silico-manganese of capacity 26,400 tpa	26400.0000	Metric Tonnes/Annum

Validity through : 24/03/202 to 30/06/2027
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To,

M/s. Janki Corp Limited

#17/95, Vishal Nagar, Ananthapur Road,
Bellary - 583102.

COPY TO:

The Environmental Officer, KSPCB, Regional Office Ballari for information and necessary action.

2. Master Register.
3. Case file.

Consent Fee paid : Rs. 1000000

SCHEDULE**TERMS AND CONDITIONS****A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.**

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.
- 2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part-I & Part-II.
- 2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.
- 3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall confirm to the standards stipulated by the Board in Annexure-I
- 3(b). The trade effluent shall be handed over to CETP and maintain logbook of effluent generated & sent every day.
4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.
5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/ permission of the Board.
6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.
7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order:
8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.

B. EMISSIONS:

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under. The tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.
2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.
3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

C.MONITORING & REPORTING:

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/either by in house monitoring laboratory or through EP approved laboratories for the parameters as Indicated in Annexure I & II.
2. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.

D. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

- 1.The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.
- 2.The solid waste generated shall be handled & disposed by scientific method without causing eye sore to the general public and to the surrounding environment.

E. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

- a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.
- b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.
- c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.
- d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - * Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

- * dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- * A “decibel” is a unit in which noise is measured.
- * “A”, in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- * Leq: It is an energy mean of the noise level over a specified period.

F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUDARY MOVEMENT)Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundry Movement) Rules 2016.

G. GENERAL CONDITIONS:

1. The applicant shall obtain prior permission from the competent authority for drawing of water from Surface/Ground water source and submit a copy of the same to the Board.
2. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
3. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.
4. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.
5. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.
6. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.
7. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.
8. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow points should be made easily approachable.
9. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
10. The applicant his heirs, legal representatives or assignee shall have no claims whatsoever to the continuation or renewal of this consent after expiry of the validity of consent.
11. The applicant shall make an application for consent for subsequent period at least 120 days before expiry of this consent.
12. The applicant shall develop and maintain adequate green belt all around the periphery.
13. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.
14. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court
15. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form-V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.
16. The applicant shall display flow diagram of the pollution control system near the pollution control system/s

NOTE:

The Conditions A 3(b) & E (b,c,d) mentioned in the schedule are not applicable.

Additional Conditions:

The applicant shall comply with the conditions imposed in Annexures - I,IA,II & IIA attached herewith and download the same from uploaded documents.

Chi m.N o.	Chimne y attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed,in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	Cone Crusher	Ore/Quar tz crusher and screenin g	30	PM,SO2,NOx,C O, NMHC	PM < 50 mg/m3		FIL	At all times
2	Electric Arc Furnace	Submerg ed arc furnace – II	30	PM,SO2,NOx,C O, NMHC	50,00,00,00,00	PM < 50 mg/m3	FIL,BGH	At all times
3	Electric Arc Furnace	Submerg ed arc furnace – I	30	PM,SO2,NOx,C O, NMHC	50,00,00,00,00	PM < 50 mg/m3	FIL,BGH	At all times
4	D.G. Sets	D G Set –500 KVA	15	PM,SO2,NOx,C O, NMHC	0,0,0,00,00	DIE	AEC	At all times

Note:

FIL : Bag Filter

FIL,BGH : Bag Filter

AEC : Accoustic Enclosures

Note:

1. The DG set shall be provided with acoustic measures as per SI.No.94 in Schedule-I of Environment (Protection) Rules.
2. There shall be no smell or odour nuisance from the industry.

LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2 (\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period
3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.
4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

For and on behalf of the
Karnataka State Pollution Control Board

ANNEXURE - I

ADDITIONAL CONDITIONS TO ACCOMPANY CONSENT FOR OPERATION (EXPANSION)
ISSUED TO M/s. JANKI CORP LIMITED, SY. NOS. 4/1, 19, 25 B, 26, 27, 79 D/2, 80 A/1, 80 A/2, 80 B, 83 A/1, 83 A/2, 83 B, 84 A/1, 84 A/2, 84 A/3, 84 B, 85 C/2, 86/A1, 86/A2, 86/B1, 87/1, 88/A1, 88 B, 89 A, 89B/1, 89B/2, 89 C/1, 89 C/2, 89 C/3, 89 C/4, 89 D, 89 E/1, 89 E/2, 89 F, 89 G, 89 H, 89 I, 90 A/1, 90 A/2, 90 B/1, 90 B/2, 90 B/3, 90 B/4, 90 B/5, 90 C, 90 D, 90 E, 90 F, 90 G, 90 H, 90 I, 91, 92, 95 A, 95 B, 95 C, 95 D, 95 E, 96 A/1, 96 A/2, 96 B/1a, 96 C/1, 96 C/2b, 96 C/3, 96 B/2, 96 C/2a, 96 B/1b, 97 A, 97 B, 97 C, 97 D/1, 97 D/2, 98/1, 98/2, 98/3, 98 /4, 100, 225, 226, 227, 228, 252 C, 255, 256, 259 A/1, 259 A/2, 259 B, 259 C(P), 260/A1, 260/A2, 260/B1, 260/B2, 261A, 261 B/1, 261 B/2, 261 B/3, 261 B/4, 262, 263, 264/1, 264/2, 265 A, 265 B, 265 C, 265 D/2, 265 E, 265 F, 266, 267 A, 267 B, 268, 269, 270 A/1, 277 A & 277/1, SIDIGINAMOLA VILLAGE, RUPANAGUDI HOBLI, BALLARI TALUK & AND BALLARI DISTRICT.

M/s. Janki Corp Limited is an existing Steel industry located at Sidiginamola Village, Ballari Taluk & Ballari District.

The existing project was initially accorded Environmental Clearance was issued by the MoEF&CC, Gol vide No. F.No. J-11011/576/2009-IA II(1) dated:23.01.2012 for expansion of Sponge Iron Plant (1,80,000 TPA to 4,00,000 TPA) and installation of Iron Ore Beneficiation (0.6 MTPA). Thereafter, the project was accorded Further, the industry authorities have obtained Environmental Clearance from the MoEF&CC, Gol vide F. No.J-11011/576/2009-1A II(1) dated: 14.11.2022 for expansion of Integrated Steel Plant with additional Steel Melting Shop of capacity 3,72,352 TPA producing steel Rolled product of capacity 3,43,312 TPA, Sponge Iron Plant of capacity 2 x 350 TPD, Captive Power Plant of capacity 40 MW (AFBC-21 MW, WHRB-19 MW) to the Existing Facility: Sponge Iron Plant: 6 x 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.

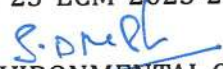
Presently, the Environmental Clearance was granted by the MoEF&CC, Gol vide F. No. J-11011/576/2009-IA II(I) dated:02.01.2025 for expansion of Steel Plant by increasing the production of Sponge Iron from 4,10,000 TPA to 4,46,000 TPA, Pellet plant from 6,00,000 TPA to 7,20,000 TPA and Establishment of Ferro Alloy Plant of 6x18 MVA producing Ferro Silicon - 39,600 TPA or Silico Manganese - 79,200 TPA or Ferro Manganese - 1,08,900 TPA or Ferro Chrome - 91,000 TPA at Sidiginamola Village, Rupanagudi Hobli, Ballari Taluk and District. The total plant area is 243.04 Hectares as per EC.

The Consent for Operation under the Water Act and the Air Act is valid upto 30.06.2027 for operation of Sponge Iron Plant of 1,80,000 TPA (6 x 100 TPD), Captive Power Plant of 15 MW (WHRB), Iron Ore Beneficiation Plant of 6,00,000 TPA, Pelletization Plant of 6,00,000 TPA and Dolochar (by-product) of 40,000 TPA, issued vide No.AW-330986 dated:21.04.2022.

Subsequently, the industry has obtained Consent for Establishment-Expansion under the Water Act & the Air Act vide No. CTE-345501, dated:16.10.2024 for expansion activity as accorded in the Environmental Clearance issued by the MoEF&CC, Gol dated:02.01.2025.

Further, the industry authorities have obtained Consent for Operation-Expansion under the Water Act and the Air Act for expansion of Sponge Iron Plant from 1,80,000 TPA to 4,46,000 TPA, Pellet Plant from 6,00,000 TPA to 7,20,000 TPA and Captive Power Plant from 15 MW to 55 MW under Phase-I of the project, for the period upto 30.06.2027, vide No. AW-349142 dated: 20.06.2025.

This Consent for Operation (Expansion) under Phase-II of the Project is issued as per the proceedings of the SLEC meeting held on 10.03.2026, vide No. PCB 23 ECM 2025-26/5386 dated: 11.03.2026, with the following Terms & Conditions:


SENIOR ENVIRONMENTAL OFFICER

- 1) This Consent for Operation (Expansion) is issued under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 for operation of Ferro Alloy Plant of capacity (2x18MVA) only for producing Ferro Silicon of capacity 13,200 TPA, Silico-Manganese of capacity 26,400 TPA, Ferro Manganese of capacity 36,300 TPA and Ferro Chrome of capacity 30,333 TPA under Phase-II of the project.
- 2) This Consent for Operation (Expansion) under the Water Act and the Air Act is issued for the period upto 30.06.2027 co-terminus with the validity of existing CFO.
- 3) The applicant shall comply with the terms & conditions of the Environmental Clearance issued by the MoEF&CC, Gol vide F. No. J-11011/576/2009-IA II(1) dated:02.01.2025.
- 4) The applicant shall comply with the following directions issued in the Personal Hearing held on 02.12.2025, Proceedings communicated vide letter No. 5475 Dated: 24/03/2026 and submit point-wise progress report to the Board.
 - a) The applicant shall ensure strict adherence to the 13-point guidelines formulated for sponge iron units, aimed at achieving effective control of fugitive emissions at all times.
 - b) The applicant shall submit proposal for providing an online fugitive emission monitoring system along with implementation timelines.
 - c) The applicant shall ensure simultaneous and uninterrupted operation of the ESP during every dripping incident occurring in a day. This measure is necessary to maintain effective pollution control and to avoid fugitive emissions during operational disturbances.
 - d) The applicant shall ensure periodic calibration of all pollution control systems through authorized and competent agencies, to maintain their accuracy and effective operational efficiency and shall maintain records of such calibration for verification.
 - e) The applicant shall ensure that the entire accumulated legacy waste is fully cleared within a maximum period of 03 months and submit compliance to the Board.
 - f) The applicant shall ensure that all dust from the pollution control equipment's are properly collected and stored in silos, thereby preventing fugitive dust dispersion.
 - g) The applicant shall submit the proposal for installation of CAAQM stations along with implementation timelines.
 - h) The applicant shall submit an action plan for conducting the study through the University of Agricultural Science, Raichur (UAS Campus, Lingsugur Road, Raichur-584 104) to evaluate impact of dust emissions from the industry on agricultural activities within 30 days.

I. WATER POLLUTION CONTROL:

- i) The source of water is from Hagari Water Works, Ballari City Corporation (2.5 MLD) and Sewage Treatment Plant of Ballari City Corporation (2.0 MLD). The applicant shall comply with the terms & conditions of permission issued by the Ballari City Corporation for drawl of water/treated sewage water vide agreement dated:24.11.2022.

ii) The details of water consumption and wastewater generation shall be as follows;

Sl. No.	Particulars	Water Consumption in KLD		Wastewater discharge in KLD		Mode of treatment & disposal
		Existing	Exp	Existing	Exp.	
1.	Domestic	150	03	120	2.4	Sewage generated from expansion project shall be treated in existing Modular STP of capacity 150 KLD.
2.	Ferro Alloy Plant (Cooling purpose)	--	300	--	--	Water used for cooling purposes in Ferro Alloy Plant shall be recycled completely.

- iii) The applicant shall provide flow meter to record water drawn from Ballari City Corporation and maintain log book for the same.
- iv) The treated sewage from STP shall conform to the standards stipulated in **Annexure-IA** before using for gardening and secondary purposes.
- v) The applicant shall maintain adequate freeboard in the STP units to avoid any overflow at any point of time.
- vi) The applicant is liable to upgrade/modify the treatment system, if it fails to treat the sewage to the standards stipulated by the Board.
- vii) The STP site, inspection chamber, outlet, flow measuring points should be made easily approachable to the inspection Officers.
- viii) The applicant shall provide flow measuring device at both Inlet and outlet of STP along with separate energy meter.
- ix) The applicant shall display the approved flow sheets in the STP area on a board along with discharge standards stipulated in the consent order.
- x) The applicant shall not allow discharge from other premises to mix with the discharge from their premises. The storm water shall not be allowed to mix with the effluents.
- xi) There shall not be bypass or discharge of any effluent outside the industry premises at any point of time.
- xii) The industry shall harvest rainwater from the roof top of the buildings and storm water drains to recharge the ground water and reuse the same for process/utilities /green belt development so as to conserve fresh water. The applicant shall construct a storage pond of 60 days capacity for collection and use of rainwater.
- xiii) The applicant shall implement scientific storm water management plan for the entire premises and ensure that no treated /untreated effluent /waste is discharge to natural drains at any point of time.

II. AIR POLLUTION CONTROL:

- 1. The details of chimney heights, air pollution control measures and emission standards for the air pollution sources shall be as per **Annexure-II** of this consent order. Air pollution control devices as stipulated in the **Annexure-II** shall be installed to all the sources to meet the desired emission standards.

2. If there is going to be any new Air pollution sources in future, the project authorities shall apply and obtain consent for establishment for the same from the Board.
3. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
4. Appropriate air pollution control system shall be provided for all dust generating sources, so as to comply prescribed stack emission and fugitive emission standards.
5. Sufficient number of mobile or stationary vacuum cleaners shall be provided to clean plant roads, shop floors, roofs regularly.
6. The applicant shall ensure covered transportation and conveying of raw materials to prevent spillage and dust generation.

III. HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES 2016;

1. The industry shall comply with the conditions of authorization issued under Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2016.
2. The applicant shall earmark separate area for storage of hazardous wastes.
3. The applicant shall install information Board at the entrance of the industry and shall update the details from time to time.
4. The Occupier of the facility (Generator) shall use e-manifest system (Web Portal) for generation of manifest as per Rule 18 of the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016, while disposing the Hazardous/Other Waste authorized facility.

IV. SOLID WASTE MANAGEMENT:

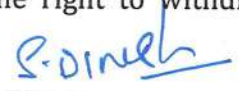
1. The applicant shall collect, treat and dispose off all solid wastes generated from the process, in such a manner so as not to cause environmental pollution.
2. The details of solid waste generation **from expansion project** and mode of disposal shall be as follows:

Sl. No.	Type of Waste	Source	Quantity in TPA	Mode of disposal
1.	Used Refractory	FAP	100	Shall be disposed as raw material to the manufacturer of refractory Grog and fire clay refractories.
2.	Clarifier Sludge	WTP	4,653	Shall be used as manure for green belt development.
3.	Slag	FAP	56,991	Shall be sold to cement plant.

3. The applicant shall maintain records on generation and disposal of solid wastes for verification by inspecting officers and submit regularly to the Board.
4. The applicant shall provide pneumatic system for transfer of ash from boiler & dust from APC equipment's to the silos to prevent fugitive dust emissions.
5. All solid wastes shall be stored in the covered shed with impervious layer till its scientific disposal.
6. The applicant shall recycle/reuse solid waste generated in the plant as far as possible.

V. GENERAL CONDITIONS:

1. The applicant shall maintain good housekeeping within the industry premises at all time.
2. The applicant shall adopt the principles listed in the Mission Life – Lifestyle for Environment List of Actions enlisted on the URL, <https://moef.gov.in/en/missionlife/list-of-actions/> towards an environmentally conscious lifestyle and shall impart training to inmates on the same.
3. The applicant shall take measures to dispose solid and liquid waste in scientific manner.
4. The noise levels measured at the boundary of the mine area shall not exceed the prescribed limits of 75 dB (A) leq. during day time and 70 dB (A) leq. during night time respectively.
5. This consent is issued without prejudice to any Court cases pending in any Hon'ble Court.
6. The applicant shall not change or alter either the quality or the quantity or the rate of discharge or route of discharge without prior approval of the Board.
7. The applicant shall set-up Environmental Cell comprising of qualified Environmental Engineer/Environmental Officer to comply with the conditions.
8. The applicant shall develop green belt not less than 33 % of total area by planting local species with the advice of the Local Forest Department.
9. The applicant shall carry out the analysis of various prescribed effluent/soil/air/noise/ground water quality parameters from the MoEF&CC recognized/accredited laboratories.
10. The industry shall comply with Plastic Waste Management Rules, 2016 (with up to date amendments), E- Waste Management Rules, 2016 (with up to date amendments), Bio-medical Waste Management Rules, 2016 (with up to date amendments) and Battery Waste Management Rules, 2022.
11. The applicant shall carry out awareness activities on environmental Protection among employees and community.
12. The applicant shall obtain all other statutory permissions under all such Acts whichever is applicable. This consent does not prevent operation of any other law in force. Failing to comply with any such provisions will attract penal actions from such Acts. The applicant shall solely be responsible for such Acts. This consent shall not be used to circumvent any other statutory provisions.
13. The applicant shall submit Form-V as per Environment (Protection) Rules 1986 before 30th September every year for the previous financial year.
14. Non-compliances to the conditions stipulated, Board has the right to withdraw the consent.


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ANNEXURE -IA
DISCHARGE STANDARDS FOR SEWAGE TREATMENT PLANT

Sl. No.	Characteristics	Standards	Frequency of monitoring
1	pH	5.5 to 9	Once in every month
2	BOD, mg/l (3 days at 27° C)	Not more than 10	
3	TSS, mg/l	Not more than 20	
4	COD, mg/l	Not more than 50	
5	NH ₄ -N, mg/l	Not more than 5	
6	N-Total, mg/l	Not more than 10	
7	Faecal Coliform (MPN/100ml)	Less than 100	

Note: All efforts should be made to remove colour and unpleasant odour as far as practicable.

HYDRAULIC LOADING APPLICABLE FOR DIFERENT SOIL TEXTURES

Sl. No.	Soil Texture	Loading rate in m ³ / Hec / day
1	Sandy	225 to 280
2	Sandy Loam	170 to 225
3	Loam	110 to 170
4	Clay Loam	055 to 110
5	Clayey	035 to 055

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ANNEXURE - II

DETAILS OF ADDITIONAL AIR POLLUTION SOURCES UNDER EXPANSION PROJECT

Sl. No.	Chimney attached to	Minimum Chimney Height stipulated	Constituents to be controlled in the emission	Tolerance limits	Air Pollution Control measures stipulated
1.	Submerged arc furnace - I	30m AGL	PM	50 mg/m ³	With suction duct, FD cooler, bag filters and ID fans.
2.	Submerged arc furnace - II	30m AGL	PM	50 mg/m ³	With suction duct, FD cooler, bag filters and ID fans.
3.	Ore/Quartz crusher and screening -	30m AGL	PM	50 mg/m ³	Bag filters
4.	D G Set -500 KVA	15m AGL	--	--	Acoustic enclosure

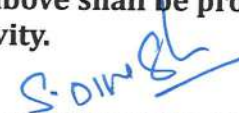
NOTE-1:

The industry shall comply with the Board Office Addendum dated 12.06.2024 w.r.t. Retrofitting of Emission Control Devices (RECD) to the Diesel Generator Sets as follows:

- Use of certified RECD from approved manufacturers for in-use DG Sets of 61 KW to 800 KW (1000 KVA) capacity which are older than five years from date of manufacturing and up to its useful life (i.e., 15 years from the date of manufacturing or 50,000 hours of operation, whichever is earlier) or use of dual fuel system for in-use DG Sets of less than 800 KW capacity up to its useful life as mentioned above or shifting to gen-sets meeting emission norms as per GSR 804 E dated 3.11.2022.
- Adopt any suitable Air Pollution Control Device (APCD) strictly subject to compliance to emission standards notified vide GSR 489 E dated 09.07.2002 for DG Sets more than 800 KW.

Note-2:

- The Air Pollution Control measures stipulated as mentioned above shall be provided before commissioning of regular production of expansion activity.


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ANNEXURE-IIA

NATIONAL AMBIENT AIR QUALITY STANDARDS

Pollutant	Time Weighted Average	Concentration in Ambient Air		Method of Measurement
		Industrial, Residential, Rural & other Areas	Ecologically sensitive area (Notified by Central Government)	
Sulphur Dioxide (SO ₂)	Annual* 24 Hours**	50 µg/m ³ 80 µg/m ³	20 µg/m ³ 80 µg/m ³	- Improved West and Gacke method. - Ultraviolet fluorescence.
Nitrogen Dioxide (NO ₂)	Annual* 24 Hours**	40 µg/m ³ 80 µg/m ³	30 µg/m ³ 80 µg/m ³	- Modified Jacob & Hochheiser (Na-Arsenite) Method. - Chemiluminescence.
Particulate Matter (Size less than 10 µm) or PM ₁₀	Annual* 24 Hours**	60 µg/m ³ 100 µg/m ³	60 µg/m ³ 100 µg/m ³	- Gravimetric. - TOEM. - Beta attenuation.
Particulate Matter (Size less than 2.5 µm) or PM _{2.5}	Annual* 24 Hours**	40 µg/m ³ 60 µg/m ³	40 µg/m ³ 60 µg/m ³	- Gravimetric. - TOEM. - Beta attenuation.

* Annual Arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform interval.

** 24 hourly/8 hourly/1 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

Note:

Whenever & wherever monitoring results on two consecutive days of monitoring exceeds the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further investigation.


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