



Vijayanagar Works :

Regd: Room No. 8/, First Floor, HSM 1 Old Lab,
JSW Steel Ltd, Toranagallu - 583 275.

Correspondence : F&A, Dept. HRD Building,
JSW Steel Ltd, P.O. Vidyanagar - 583275.
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JVML/ENV/MoEFCC/EC-COMPL/F016/052025/ *4002*

Date: 10-05-2025

To,
The Addl. Principal Chief Conservator of Forest(C)
Ministry of Environment, Forest & Climate Change
Regional Office (South Zone), 4th floor,
E&F wings, Kendriya Sadan, 17th Main Road,
2nd block Koramanagala, Bangaluru-560034

Sub: Submission of reply w.r.t. review of Half Yearly EC Compliance report of Our Integrated Steel Plant for the period of Oct-2024 to Mar-2025 w.r.t. M/s JSW Vijayanagar Metallics Limited – reg

Ref: EC from MoEF&CC issued to M/s JSW Vijayanagar Metallics Limited issued Vide No:
J-11011/489/2009-IA.II(I) Dtd: 25/07/2024

Dear Sir/Madam,

With respect to the subjected matter, we are herewith submitting the Half Yearly EC Compliance report for our integrated Steel Plant, JSW Vijayanagar Metallics Limited(5 MTPA), Vijayanagar Works located at Toranagallu, Dist. Ballari, Karnataka for the period of Oct - 2024 to Mar - 2025.

Further, we would like to inform you that, we have uploaded the soft copy of EC Compliance report on the Parivesh 2.0 Portal. This is for your kind information and record please.

Thanking you,

Yours Faithfully

Authorized Signatory

For M/s JSW Vijayanagar Metallics Ltd.

Satish Mishra
Dr. Satish Mishra

Head of Department

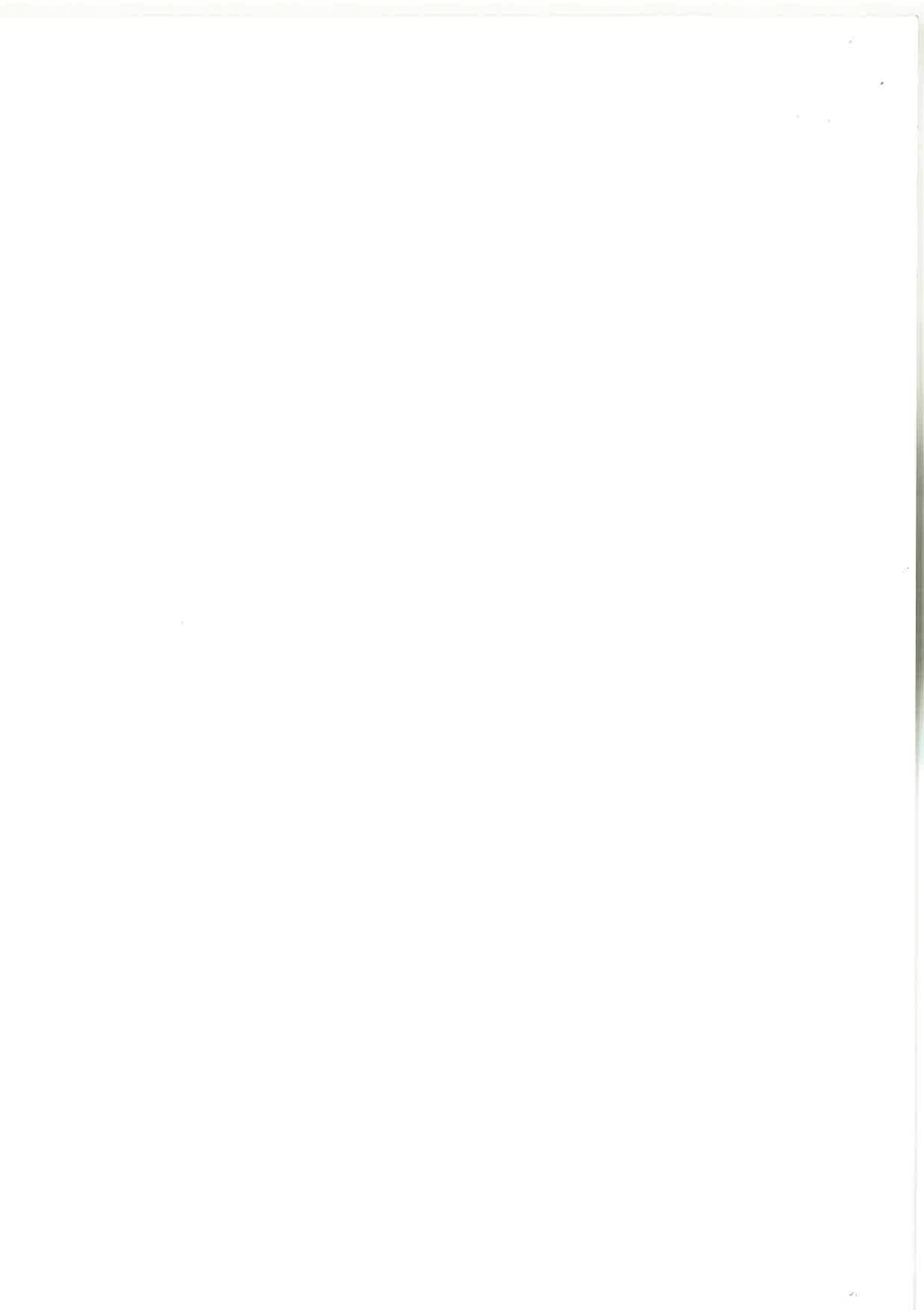
Environment & Sustainability Department



CC:

1. The Member Secretary, IA.II(I) Ministry of Environment and Forests, IA Division, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi-110003
2. Regional Director, CPCB, A-Block, Nisarga Bhavan 1st & 2nd Floor, 7th D Cross, Thimmaiah Road, Shivaji Nagar, Bengaluru – 560079.
3. The Member Secretary, KSPCB, Parisara Bhavan, 1st to 5th floor, #49, Church Street, Bengaluru
4. The Environmental Officer, KSPCB, Regional Office, 4th Main, Kuvempunagara, Ballari - 583104

✓ 5. Office Copy





EC Compliance Report



Project: Split of existing EC of JSW Steel Ltd, Vijayanagar works of 18 MTPA Steel plant, 1490 MW CPP along with 2.2 MTPA Slag cement between JSWSL, JVML and JSWCL, With a final configuration of 13 MTPA Steel, 1490 MW of CPP and 0.2 MTPA Slag cement unit will remain for JSW Steel Limited, Transfer of 5 MTPA Steel to JVML and Transfer of 2 MTPA Slag Grinding Unit to Existing 4 MTPA Slag cement plant of JSWCL at Vijayanagar works, Toranagallu, Ballari, Karnataka


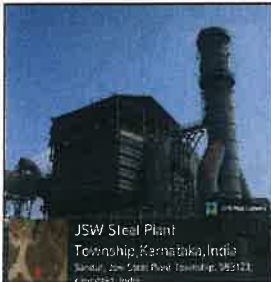

EC Identification No. EC24A1001KA5580178S and **File No.** J-11011/489/2009-IA.II (I) Dated 25/07/2024

Compliance Period : October - 2024 to March – 2025

S. No.	Conditions	Compliance
Specific Conditions		
i.	Green belt shall be developed in 33% (111.3 ha) of the plant area (337.1 ha) all along the periphery of the project site by September 2024 with a tree density of 2500 trees per hectare.	Complied <ul style="list-style-type: none">JSW Vijayanagar Metallica Limited has planted 2.80 lakhs plants over 112 ha area to cover 33 % of area under green belt with the tree density of 2500 trees per hectare.Details of the plantation and the photographs are enclosed as Annexure -01
ii.	Project proponent shall install closed and covered silos/hoppers/bunkers for coal storage.	Being Complied <ul style="list-style-type: none">The proposal for coverage of coal storage area is in JSWSL premises.
iii.	Ambient air quality shall be improved by adopting measures like use of by product gas in place of coal.	Being Complied <ul style="list-style-type: none">By product gases like BF gas, Corex Gas, Coke oven gases are being used as fuel in the process (Blast furnace stove, SMS, reheating furnace etc.) and also for power generation, thereby reducing the significant coal consumption, Hence improving the Ambient air quality.
iv.	Environment Clearance for the new township project shall be obtained from the concerned competent authority.	Noted
v.	Project proponent shall install 1 Continuous Ambient Air Quality Monitoring Stations (CAAQMS) by 31-12-2024.	Complied <ul style="list-style-type: none">1 no of CAAQMS Station has been installed within JVML plant boundary besides OP Jindal center in addition to the 6 no of CAAQMS installed by JSW Steel Limited. 

S. No.	Conditions	Compliance
vi.	<p>Following Cleaner technologies shall be adopted by PP:</p> <ol style="list-style-type: none"> High efficiency ESP in Sinter plants to control emissions Sinter cooler waste heat utilization in Sinter Plant. Dry gas cleaning in BF & BOF converters TRT and Stove waste gas heat recovery system in BF Secondary Fume Extraction system in BOF with dog houses Independent FES for LRF 	<p>Complied</p> <ol style="list-style-type: none"> We have installed the High efficiency Electrostatic Precipitator (ESP) in Sinter plant SP-5 to control the PM emission within permissible limits. Sinter cooler waste heat recovery is provided in SP-5 to generate power from waste heat. We have provided Dry GCP processing in SMS4. Due to technological compulsion, wet GCP is provided in BF5 along with complete ETP/ZLD system for gas cleaning. We have provided TRT and stove waste gas recovery system in BF5. We have provided the secondary de-dusting system(FES)with dog house system in BOF of SMS-4 We have provided an Independent Fume extraction system (FES) for LRF of SMS4.
vii.	<p>100% solid waste utilization by means of</p> <ol style="list-style-type: none"> Utilization of dust, mill scales and sludge in Sinter Plant BF slag will be utilized in Cement of JSWCL. Steel slag will be utilized in slag processing plant of JSWSL. 	<p>Compliance:</p> <ul style="list-style-type: none"> We are utilizing 100 % solid waste i.e; dust, mill scales and sludge in Sinter Plant BF Slag is being sold to JSWCL and other cement industry. The steel slag is being utilized 100% in slag processing plant of JSWSL
viii.	<p>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</p>	<p>Noted and agreed</p>
ix.	<p>The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 01 No. 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.</p>	<p>Complied</p> <ul style="list-style-type: none"> 1 no of CAAQMS Station has been installed within JVML plant boundary besides OP Jindal center in addition to the 6 no of CAAQMS installed by JSW Steel Limited. The data of the CAAQMS is being submitted to KSPCB/CPCB Servers.  <p>CAAQMS Installed Near OPJ Center</p>

S. No.	Conditions	Compliance
		<ul style="list-style-type: none"> Calibration of the Equipment is being and will be done on quarterly basis.  <p>PM & Gaseous analyzer (CEMS) installed at Major Stacks</p>
x.	<p>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.</p>	<p>Complied</p> <ul style="list-style-type: none"> Fugitive emissions are being regularly monitored through NABL accredited laboratory on monthly basis. Report is being submitted every month to KSPCB. The Fugitive emission monitoring data of last six month is enclosed as Annexure – 02.
xi.	<p>Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions</p>	<p>Complied</p> <ul style="list-style-type: none"> The sampling facility are provided at process stacks and quenching stacks as per CPCB guidelines  <p>Sampling ports and Stairs access to stacks</p>


S. No.	Conditions	Compliance						
xii.	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.	<p>Complied</p> <ul style="list-style-type: none">We have installed efficient air pollution control (APC) equipment for all dust generating points, the summary of APC as follows <table><tr><td>Bag filter</td><td>19 no</td></tr><tr><td>Scrubber/Cyclone</td><td>1 no</td></tr><tr><td>ESP</td><td>1 no</td></tr></table> <ul style="list-style-type: none">We maintaining the stack emission & fugitive emissions within standard limits.We are submitting the stack emission monitoring data to KSPCB.In addition to this, we are monitoring manual stack emission on monthly basis and report is being submitted to KSPCB.Stack emission monitoring data for the compliance period is enclosed as Annexure -02. <div></div>	Bag filter	19 no	Scrubber/Cyclone	1 no	ESP	1 no
Bag filter	19 no							
Scrubber/Cyclone	1 no							
ESP	1 no							
xiii.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	<p>Complied</p> <ul style="list-style-type: none">Bag leakage detection system provided and PLC based bag cleaning system are installed.Regular maintenance of these bag filters is being done to assure the emission norms.						
xiv.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	<p>Complied</p> <ul style="list-style-type: none">We have deployed 04 Nos of vacuum cleaners cum Road sweeping machine for road cleaning and shop floor cleaning.						
xv.	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.	<p>Complied:</p> <ul style="list-style-type: none">The Recycle and reuse of iron ore fines, coal and coke fines and other fines collected from Pollution controlling devices and vacuum cleaning devices is being used in the steel manufacturing process after briquetting or agglomeration at JSWSL.						
xvi.	The project proponent use leak proof trucks/dumpers carrying coal and other raw	<p>Complied</p> <ul style="list-style-type: none">Most of the Raw material required for the plant is being						

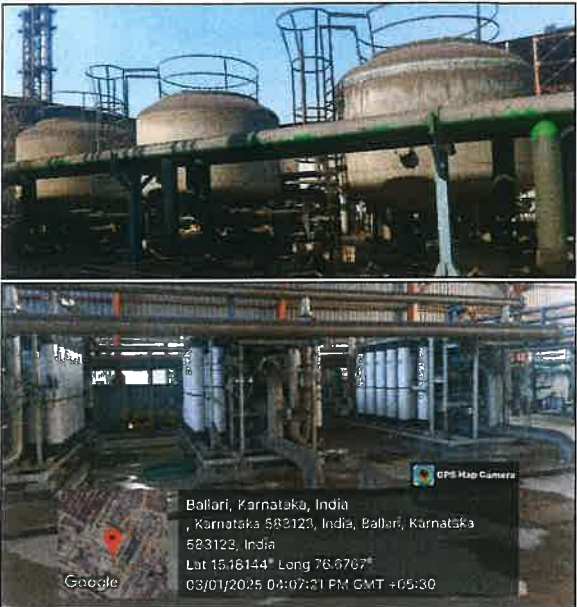
S. No.	Conditions	Compliance
	materials and cover them with tarpaulin.	<p>transported through the covered Rail wagons, remaining raw material which is not being transported through rail is being transported through Tarpaulin covered trucks and dumpers.</p> <ul style="list-style-type: none"> Raw materials sourced from the JSW Steel limited is being transported through Closed Conveyer Belts.
xvii.	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.	<p>Complied</p> <ul style="list-style-type: none"> Wind shelter fence has been provided in the raw material storage yard. We have provided the chemical spraying systems at the raw material stock piles.
xviii.	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars	<p>Complied</p> <ul style="list-style-type: none"> Adequate ventilation system is provided at all confined areas as per the Norms.
B. GENERAL CONDITIONS:		
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.	<p>Complied</p> <ul style="list-style-type: none"> We have installed online effluent quality monitoring systems for monitoring pH, conductivity and flow. The equipments are being calibrated on quarterly basis as per manufacturer recommendations.
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 planed and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	<p>Complied</p> <ul style="list-style-type: none"> The environmental quality of ground water is monitored through MoEF accredited laboratory and reports are submitted on monthly basis regularly to the KSPCB.
iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	<p>Complied</p> <ul style="list-style-type: none"> We have provided 01 (One) no. of Sewage treatment plant for the treatment of the domestic sewage generated from the Plant. 1 (One) STP has been commissioned by JVML besides OPJC.
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.	<p>Complied</p> <ul style="list-style-type: none"> Garland drains and collection pits have been provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off.
V.	Tyre washing facilities shall be maintained at the entrance of the plant gates	<p>Complied</p> <ul style="list-style-type: none"> Tyre washing facilities have been provided at the entrance.

S. No.	Conditions	Compliance
vi.	Water meters shall be provided at the inlet to all unit processes in the steel plants.	Complied <ul style="list-style-type: none"> We have provided water meters at the inlet to all unit processes in the steel plant.
vii.	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.	Complied <ul style="list-style-type: none"> The noise levels are being monitored on monthly basis and reports are being submitted to the KSPCB on monthly basis. The noise monitoring report are being submitted to the MoEFCC Regional office along with six month compliance report regularly. The Ambient Noise Monitoring data for the compliance period is Enclosed as Annexure 02
viii.	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.	Complied <ul style="list-style-type: none"> Torpedo ladles are being used for hot transfer of the hot metal from the Blast Furnace to the BOF.
ix.	Restrict Gas flaring to < 1%.	Complied <ul style="list-style-type: none"> We have maintained the gas flaring less than 1%.
x.	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.	Complied <ul style="list-style-type: none"> We have installed 225 MW solar power plant at Rajapura & Thimmalapura village. In addition to this 70 KW roof top solar plant is provided at Sanjeevani Hospital.
xi.	Provide LED lights in their offices and residential areas.	Complied <ul style="list-style-type: none"> We have installed LED lights in offices, work areas and colonies.
xii.	Ensure installation of regenerative/ recuperative type burners on all reheating furnaces.	Complied <ul style="list-style-type: none"> Recuperative type burners are provided in all the reheating furnaces
xiii.	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.	Complied <ul style="list-style-type: none"> Oil collection trays are being provided at oil handling area. In addition to this, secondary containers are provided at the oil storage area to avoid the spillages.
xiv.	Kitchen waste shall be composted or converted to biogas for further use.	Noted and shall be complied, <ul style="list-style-type: none"> Kitchen waste if any generated will be composted.
xv.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.	Complied <ul style="list-style-type: none"> We have prepared the GHG emission inventory of the plant which is being monitored and reviewed by top management on regular basis. We have target to reduce the specific CO₂ emission levels by 31% of emission by year 2030 from present 2.49 TCo2/tcs level.
xvi.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented	Complied. <ul style="list-style-type: none"> We have prepared the onsite emergency and Disaster management as per the requirement of factor act which is being approved by the Karnataka State Dept. of Factories & Boilers. Further periodic mock drills are being conducted on regular basis for the identified emergencies.

xvii.	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.	Complied. <ul style="list-style-type: none"> The heat stress analysis of workers is being carried out regularly for people working in heat zone area.
xviii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Complied. <ul style="list-style-type: none"> Periodical health checkup of workers is being carried out as per the factory acts and record is being maintained.
xix.	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 shareholder's / 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.	Complied <ul style="list-style-type: none"> We have implemented and operating international standard for environment i.e ISO 14001 Environmental Management System. We have Environmental policy as stipulated, Copy of the policy is enclosed as Annexure -3
xx.	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.	Complied <ul style="list-style-type: none"> We have dedicated environmental management department with the qualified staff at Vijayanagar Works and Company Head office Level.
xxi.	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.	Complied <ul style="list-style-type: none"> Newspaper advertisement for grant of EC has been published in Kannada Nudi & The New Indian Express in Kannada and English language respectively. Copy of the New paper cutting enclosed as Annexure 04 The copy of EC has been uploaded on JSW Website which can be access on : https://www.jsw.in/investors/steel/jsw-steel-investor-information-environmental-clearances
xxii.	The copies of the environmental clearance along with salient features of the project 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	Complied <ul style="list-style-type: none"> We have submitted the EC copy to Panchayat offices in stipulated time.
xxiii.	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.	Complied <ul style="list-style-type: none"> We have uploaded the half yearly EC Compliance status report including the monitoring data on the JSW website which can be access through below link https://www.jsw.in/investors/steel/jsw-steel-investor-information-environmental-clearances

xxiv.	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.	<p>Complied</p> <ul style="list-style-type: none"> • Critical sectoral parameters like PM10, SOx, NOx etc are being monitored online. • The online Stack Emission, effluent quality and Ambient Air Quality Monitoring data are being displayed through LED board at JVML main gate & website which is available for the public. 
xxv.	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.	<p>Noted and agreed</p> <ul style="list-style-type: none"> • We have submitted the 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. • Soft copy of the EC compliance report sent through Email.
xxvi.	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.	<p>Noted and agreed</p> <ul style="list-style-type: none"> • Environmental statement for the financial year 2024-25 in Form-V will be submitted every year to the KSPCB before the stipulated time.
xxvii.	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.	Complied
xxviii.	The project proponent shall abide by all the commitments and recommendations made in the Environmental appraisal report and during presentation to the Expert Appraisal Committee.	Noted and complied
xxix.	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).	<p>Noted and agreed</p> <ul style="list-style-type: none"> • No further Expansion and modification will be done without prior approval from the MoEF&CC and State Pollution control Board.
xxx.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted and agreed
xxxi.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and agreed
xxxii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The	Noted and agreed

	Company in a time bound manner shall implement these conditions.	
xxxiii.	The RO of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports.	Noted and agreed <ul style="list-style-type: none"> We will provide the cooperation and support to the Officers of Regional officer as and when required.
xxxiv.	Any Appeal against the EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted and agreed
ADDITIONAL SPECIFIC CONDITION		
i.	The PP shall install the requisite number of CAAQMS linked with CPCB server at designated places.	Complied <ul style="list-style-type: none"> 1 no of CAAQMS Station has been installed within JVML plant boundary besides OP Jindal centre. This is in addition to 6 CAAQMS installed by JSWSL The data of the CAAQMS is being transferred to CPCB & KSPCB servers. 
ii.	JVML shall undertake Village Adoption programme as committed.	Being Complied <ul style="list-style-type: none"> 10 Villages of Core Zone have been adopted by JSWSL, JVML and JSWCL - Nagalapura, Anathapura, Chikantapura, Kodalu, Basapura, Talur, Madapura, Daroji, Joga, Lingadahalli. Activities planned in the adopted village are health care, education, woman empowerment, sanitation, sports, infrastructure, skill development, Environment management etc.
iii.	The proposed logistics hub and truck parking yard is close to Toranagallu village, proper care must be taken to mitigate possible impacts, including wider multilayered plantation and other fugitive dust arresting measures.	Being Complied <ul style="list-style-type: none"> Truck parking yard is provided with concrete floor and three tire plantation along the parking yard boundary. In addition to this, Tarpaulin covered trucks are provided to transport the raw material so as to minimize the fugitive dust emissions. Mechanical Road Sweeping Machines with the succession mechanism are provided for the area clearing.
iv.	All stockyards shall have impervious flooring and shall be equipped with dust suppression. Stock yards shall also have garland drains to trap the run off material.	Complied <ul style="list-style-type: none"> All Stockyards are provided with concrete flooring with the water sprinkling system. Garland drains are provided at Material stock yard to trap the run off material.
v.	Raw materials like sinter, pellets, coke etc. shall obtained through conveyer belt from JSWSL.	Being Complied <ul style="list-style-type: none"> Raw materials like sinter, pellets, coke etc. is being transported through closed Conveyor belt from JSWSL.

vi.	JVML Shall operate two ETP and one STP independently.	<p>Being Complied</p> <ul style="list-style-type: none"> JVML is operating two ETPs and one STP independently to treat its effluent and sewage.  <p>Ballari, Karnataka, India Karnataka 583123, India, Ballari, Karnataka 583123, India Lat 15.18144° Long 76.6767° 03/01/2025 04:07:21 PM GMT +05:30</p> <ul style="list-style-type: none"> Monitoring reports for the last six month is attached as Annexure- 02
vii.	80% of the finished goods shall be transported through Railways.	<p>Complied</p> <p>We are transporting 80 % of the finished goods through Railways</p>

New Plantation Photographs inside the plant premises



Gap filling in the existing plantation area



New Plantation

Environmental Quality Monitoring Summary (Oct 2024 to March 2025)

Ambient Air Quality Monitoring Results at Nearby Villages: 24 Hrs Average (Oct 2024 to March 2025)

Month	LOCATION	Norms(Daily Average)	Hampi	Gadi ganur	Kure kupa	Kudi thini	Torana gallu	Vaddu	Sulthanpur	Basa pur	Vidya nagar	Talur	Karadi dhama
Oct-24	PM ₁₀ (µg/m ³)	100	45.3	42.8	49.7	48.3	46.9	47.1	57.6	45.9	44.1	46	41
	PM _{2.5} (µg/m ³)	60	18.12	17.12	19.8	19.32	18.76	18.84	23.04	18.36	17.64	18.4	16.4
	SO ₂ (µg/m ³)	80	12.1	12.9	11.8	13.1	12.6	13.4	13.2	12.7	11.2	12.3	13.6
	NO ₂ (µg/m ³)	80	13.2	11.5	13.9	13	14.2	14.9	12.6	13.2	14.5	11.6	12.9
Nov-24	PM ₁₀ (µg/m ³)	100	46.1	41.1	48.7	47.7	46	45.2	51.3	48.1	44.9	45.3	41.9
	PM _{2.5} (µg/m ³)	60	18.4	16.4	19.5	19.1	18.7	18.1	20.5	19.2	17.9	18.12	16.7
	SO ₂ (µg/m ³)	80	11.8	11.5	13.2	12.6	13.1	12.9	13	11.6	10.9	13.5	11.9
	NO ₂ (µg/m ³)	80	12.7	11.6	13.7	12.8	13.1	12.9	11.8	12.9	13.2	12.1	13.5
Dec-24	PM ₁₀ (µg/m ³)	100	45.5	42.3	47.7	45.9	44.8	45	50.2	47.1	46.3	44	40.9
	PM _{2.5} (µg/m ³)	60	18.2	16.9	19.8	18.4	17.9	18	20.8	18.8	18.5	17.6	16.3
	SO ₂ (µg/m ³)	80	12.2	10.9	12.2	11.6	13.1	13.9	11.5	11	14.9	12.5	10.7
	NO ₂ (µg/m ³)	80	13.7	12.4	11.7	10.8	11.9	14.1	12.8	13.7	13.2	11.8	12.4
Jan-25	PM ₁₀ (µg/m ³)	100	35.4	46.3	42.7	41.9	44.8	55.8	56.78	42.1	52.9	46.0	39.9
	PM _{2.5} (µg/m ³)	60	12.2	18.9	16.8	14.4	17.9	22.1	22.5	16.8	19.9	18.6	14.3
	SO ₂ (µg/m ³)	80	10.4	14.9	12.2	12.6	13.1	12.7	16.7	11.0	9.6	12.5	9.7
	NO ₂ (µg/m ³)	80	9.6	12.4	10.7	10.8	8.9	14.9	1.7	12.7	11.9	10.8	10.4
Feb-25	PM ₁₀ (µg/m ³)	100	41.2	42.6	40.2	42.9	46.6	52	52.2	43.2	54.9	42	38.9
	PM _{2.5} (µg/m ³)	60	11.2	19.4	16.6	16.8	18.2	22.1	22	16.8	19.6	18.6	14.2
	SO ₂ (µg/m ³)	80	10.4	12.4	12.6	14	12.1	12.2	19.6	11.2	13	12.6	10.6
	NO ₂ (µg/m ³)	80	12.6	13.2	14.9	15.2	19.6	14	22.8	12.6	15.6	13.2	13.2
Mar-25	PM ₁₀ (µg/m ³)	100	45.2	44.1	43.4	45.1	48.3	56.2	55.5	46.1	56.4	46.1	42.5
	PM _{2.5} (µg/m ³)	60	13.2	17.4	15.2	17.2	19	23.2	21.6	17.2	18.1	19.4	13.3
	SO ₂ (µg/m ³)	80	12.4	11.1	11.1	15.2	13.7	14.3	18.4	13.4	11.2	10.6	11.5
	NO ₂ (µg/m ³)	80	14.6	15.3	13.1	17.3	16.5	16.3	20.4	15.1	16.4	12.2	14.2

Effluent Treatment Plant ETP monitoring data (Oct 2024 to March 2025)

Blast Furnace BF5

Parameters	Limits as per CFO	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar -25
pH	5.5-9.0	7.9	7.53	7.6	7.2	7.2	7.2
Total Suspended Solids, mg/L	<100	21	22	21	18.0	18.0	16.0
Conductivity Micro Ohms/cm	<2250	1378	1489	1311	1312	1322	1422
BOD, mg/L	<100	6	7	6.5	6.0	6.2	6.2
Oil & Grease, mg/L	<10	1	1	2.0	2.0	2.0	2.0

Hot Strip Mill HSM3

Parameters	Limits as per CFO	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar -25
pH	5.5-9.0	7.1	7.21	7.44	7.6	7.6	7.4
Total Suspended Solids, mg/L	<100	12	19	14	12.0	12.0	14.0
Conductivity Micro Ohms/cm	<2250	1629	1612	1447	1422	1412	1489
BOD, mg/L	<100	3	3	2.6	3.0	4.0	4.0
Oil & Grease, mg/L	<10	1	1.8	1.7	1.9	1.8	1.8

Sewage Treatment Plant STP monitoring data (Oct 2024 to Mar 2025)

S. No	Parameters	Limits	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar -25
1	pH	6.5-9	7.9	7.88	7.4	7.9	7.8	7.4
2	TSS (mg/l)	<20	2.12	2.9	2.9	4.2	4.2	4.2
3	Bio Chemical Oxygen Demand ,mg/L	<10	6.9	7.1	7.0	6.0	6.0	6.2

Ambient Noise Level Monitoring At Nearby Villages (Oct 2024 to Mar 2025)

Location Name	Day Time Norms dB(A)Leq	October	November	December	January	February	March
Shankar Hill Township	55	51.6	50.2	51	48	48.0	47.0
Sultanpur Village	55	48.2	49.3	48.9	50.9	48.5	49
Toranagallu	55	50.1	51	50.1	48.4	50.1	50
Talur Village	55	51	50.8	50.3	48.3	45.3	44.8
Vaddu Village	55	51.8	51.1	50.4	50.4	52.4	50.2
Gadiganur Village	55	49.6	48.7	49.7	42.7	47.7	47.9
Basapur Village	55	49.7	48.8	47.8	40.8	48.8	48
Kurekuppa Village	55	46.1	45.3	46.2	41.2	44.2	43
Karadidhama Village	55	49.5	44.2	45.5	38.5	46.5	45.1
Kudithini Village	55	50	51.2	50.2	41.0	44.2	44
Hampi Village	55	50.4	50.9	51.9	39.9	48.9	47.6
Vidyanagar Township	55	51.3	50.6	49.6	44.2	48.6	46
VV Nagar	55	48.5	49.3	49.1	49.2	49.1	50.8
10 MT Main Gate	55	44.2	45.5	46.2	50.2	46.2	44.8

Location Name	Night time Norms dB(A)Leq	October	November	December	January	February	March
Shankar Hill Town	45	40.2	40	41.2	40.2	41.2	40.2
Sultanpur	45	40.6	41.1	40.1	41.1	40.2	42
Toranagallu	45	40.4	40.2	40	41.0	42.0	42.0
Talur	45	40	40.3	40.8	40.8	40.8	41.8
Vaddu	45	42	41.1	39.1	39.1	39.1	38.1
Gadiganur	45	41.1	41.6	40.6	38.6	40.6	36.6
Basapur	45	40.5	40.8	41.8	41.8	41.8	40.7
Kurekuppa	45	40.9	41.3	42.4	38.4	42.4	40.4
Karadidhama	45	41.3	40.3	41.3	32.3	40.3	41.3
Kudithini	45	41.5	41.5	40.7	39.7	42.7	38.7
Hampi	45	41.6	41.7	41.4	38.4	39.6	37.6
Vidyanagar	45	40.7	40.9	41.3	41.3	41.3	38.3
VV Nagar	45	41.7	41.9	40.2	40.2	40.2	39.2

Stack Results 24 hrs Average (Oct 2024 to Mar 2025)

S.No.	Stack Name	PM mg/Nm3						
		Norms	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar -25
1	Sinter Plant SP5 Secondary Dedusting	<150	34.5	39.1	40.1	40.2	32.1	34.1
2	Blast Furnace BF5 Stove	<50	-	11.86	12.12	18.2	19.7	20.2
3	Blast Furnace BF5 Cast House East	<50	-	26.99	30.2	30.4	21.9	20.4
4	Blast Furnace BF5 Cast House West	<50	-	19.21	18.6	19.9	20.5	22.3
5	Blast Furnace BF5 Stock House	<50	-	41.85	40.74	42.2	40.0	42.0
6	Hot Strip Mill HSM3,Reheating Furnace RHF 1	<50	22.1	24.6	25.1	25.2	31.2	30.2
7	Hot Strip Mill HSM3,Reheating Furnace FES	<50	14.99	16.21	17	16.0	27.8	28.2

16.0

Work Zone Area Monitoring Results (Oct 2024 to Mar 2025)

S.No.	Plant	Location	Norms	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
1	HSM-3	PDS Area	<3000	321		422	317	327	362
2	HSM-3	Near RHF 1	<3000	129		134	498	408	402
3	SP-5	Control room area	<3000		363		297	287	265
4	HSM 3	Near RHF 2	<3000		504		399	369	366

Environment Policy

JSW Steel recognizes protecting and nurturing the environment as one of its primary responsibilities in its operations.

We are committed to be a role model for the Steel Industry by exceeding compliance obligation through:

- Integrating risks and opportunities related to the environment in business strategies and decisions.
- Our commitment to protect the environment, prevention of pollution, noise, vibration, and complying with other compliances relevant to the context of the organization.
- Continual evaluation of environmental impact and adoption of appropriate practices and technologies to mitigate adverse effects.
- Fulfilling all the related compliance obligations.
- Conservation and efficient utilization of natural resources in our areas of operations and minimizing wastes.
- Continual improvement of Environment Management System and enhancing Environmental performance.
- Developing new grades of steel with lower life cycle impact on the environment.
- Ensure Zero liquid discharge and reduce overall carbon footprint.
- Engaging our workforce, suppliers and community to create an eco- friendly society and to build awareness on the subject
- Taking lead on environmental conservation initiatives and preservation of bio-diversity around areas of our operation.

Rev No: 00
Date: 25th May 2024



P K Murugan
President



VIJAYANAGAR METALLICS LIMITED

Newspaper advertisement for grant of EC

Public Notice regarding Grant of Environmental Clearance

The Ministry of Environment, Forest and Climate Change, Government of India, has granted Environment Clearance vide its EC Identification No. EC24A1001KA5580178S, Dated 25/07/2024 for Splitting of existing EC of M/s JSW Steel Ltd, Vijayanagar works of 18 MTPA Integrated Steel plant, 1490 MW CPP along with 2.2 MTPA Slag cement between M/s JSW Steel Limited, M/s JSW Vijayanagar Metalics Limited (JVML) and M/s JSW Cement Limited.

Now, JSW Steel Limited will remain with a final configuration of 13 MTPA Integrated Steel facilities, 1490 MW of CPP and 0.2 MTPA Slag cement unit.

Transfer of 5 MTPA Integrated Steel facilities to M/s JSW Vijayanagar Metalics Limited and Transfer of 2 MTPA Slag Grinding Unit to Existing 4 MTPA Slag cement plant of M/s JSW Cement Limited, located at Vijayanagar works, Toranagallu, Ballari, Kamataka.

The copy of the same is available at Ministry of Environment, Forest and Climate Change website (www.parivesh.nic.in), Regional Office (Ballari), Head Office (Bengaluru) of Karnataka State Pollution Control Board and Available in company's website (www.jsw.in)

Sd/-

Authorized Signatory

(M/s JSW Steel Limited,

M/s JSW Vijayanagar Metalics Limited,

Place: Toranagallu

News published in The New Indian Express

ಪರಿಸರೀಯ ಸ್ವಚ್ಛಗೊಳಿಸುವಿಕೆ ಮಂಜೂರಾತಿ ಕುರಿತು ಸಾರ್ವಜನಿಕ ಸೂಚನೆ

ಭಾರತ ಸರ್ಕಾರದ ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಸಚಿವಾಲಯವು ತನ್ನ EC ಗುರುತಿಸಿದ ಸಂಖ್ಯೆ - EC24A1001KA5580178S ದಿನಾಂಕ: 25/07/2024ರಲ್ಲಿ ಪರಿಸರೀಯ ಸ್ವಚ್ಛಗೊಳಿಸುವಿಕೆ ಕುರಿತು ಅನುಮತಿಯನ್ನು ನೀಡಿದೆ. ಎಂ/ಎಸ್ ಜೆ.ಎಸ್.ಡಬ್ಲ್ಯೂ ಸ್ಟೀಲ್ ಲಿಮಿಟೆಡ್‌ನ ಅಸ್ತಿತ್ವದಲ್ಲಿರುವ ಪರಿಸರೀಯ ಸ್ವಚ್ಛಗೊಳಿಸುವಿಕೆಯನ್ನು (EC) ವಿಭಜಿಸುವುದು. ಜೆ.ಎಸ್.ಡಬ್ಲ್ಯೂ ಸಂಯೋಜಿತ ಉಕ್ಕಿನ ಸ್ಥಾವರ ವಿಜಯನಗರದ 18 MTPA, ಮತ್ತು 1490 MW CPP ಜೊತೆಗೆ 2.2 MTPA ಸ್ಲಾಗ್ ಸಿಮೆಂಟ್‌ಗಳನ್ನು. ಎಂ/ಎಸ್ ಜೆ.ಎಸ್.ಡಬ್ಲ್ಯೂ ಸ್ಟೀಲ್ ಲಿಮಿಟೆಡ್, ಎಂ/ಎಸ್ ಜೆ.ಎಸ್.ಡಬ್ಲ್ಯೂ ವಿಜಯನಗರ ಮೆಟಾಲಿಕ್ಸ್ ಲಿಮಿಟೆಡ್ ಮತ್ತು ಎಂ/ಎಸ್ ಜೆ.ಎಸ್.ಡಬ್ಲ್ಯೂ ಸಿಮೆಂಟ್ ಲಿಮಿಟೆಡ್ ಸಂಸ್ಥೆಗಳ ನಡುವೆ ವಿಭಜಿಸಿದೆ.

ಈಗ, ಜೆ.ಎಸ್.ಡಬ್ಲ್ಯೂ ಸ್ಟೀಲ್ ಲಿಮಿಟೆಡ್ 13 MTPA ಸಂಯೋಜಿತ ಉಕ್ಕಿನ ಸ್ಥಾವರ ಸೌಲಭ್ಯಗಳು, 1490 MW CPP ಮತ್ತು 0.2 MTPA ಸ್ಲಾಗ್ ಸಿಮೆಂಟ್ ಘಟಕ, ಇವು ಅಂತಿಮ ಸಂದರ್ಶನೆಯೊಂದಿಗೆ ಉಳಿಯುತ್ತದೆ. ಕರ್ನಾಟಕದ ಬಳ್ಳಾರಿ ಜಿಲ್ಲೆಯ, ತೋರಗಲ್ಲು ವಿಜಯನಗರ ವರ್ಕ್ಸ್ ನಲ್ಲಿರುವ ಸಂಸ್ಥೆಗಳಾದ, ಎಂ/ಎಸ್ ಜೆ.ಎಸ್.ಡಬ್ಲ್ಯೂ ವಿಜಯನಗರ ಮೆಟಾಲಿಕ್ಸ್ ಲಿಮಿಟೆಡ್‌ಗೆ 5 MTPA ಸಂಯೋಜಿತ ಉಕ್ಕಿನ ಸ್ಥಾವರ ಸೌಲಭ್ಯಗಳನ್ನು ವರ್ಗಾಯಿಸುವುದು ಮತ್ತು ಎಂ/ಎಸ್ ಜೆ.ಎಸ್.ಡಬ್ಲ್ಯೂ ಸಿಮೆಂಟ್ ಲಿಮಿಟೆಡ್, ಅಸ್ತಿತ್ವದಲ್ಲಿರುವ 4 MTPA ಸ್ಲಾಗ್ ಸಿಮೆಂಟ್ ಘಟಕಕ್ಕೆ 2 MTPA ಸ್ಲಾಗ್ ಗ್ರೈಂಡಿಂಗ್ ಘಟಕವನ್ನು ವರ್ಗಾಯಿಸುವುದು.

ಮಂಜೂರಾತಿ ಅನುಮತಿಯ ಪ್ರತಿಯು ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಸಚಿವಾಲಯದ ವೆಬ್‌ಸೈಟ್: (www.parivesh.nic.in), ಪ್ರಾದೇಶಿಕ ಕಚೇರಿ (ಬಳ್ಳಾರಿ), ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯ ಪ್ರಧಾನ ಕಚೇರಿ (ಬೆಂಗಳೂರು) ನಲ್ಲಿ ಲಭ್ಯವಿದೆ ಮತ್ತು ಕಂಪನಿಯ ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ ಲಭ್ಯವಿದೆ (www.jsw.in)

ಸ್ಥಳ: ತೋರಗಲ್ಲು

Sd/- Authorized Signatory
(M/s JSW Steel Limited,
M/s JSW Vijayanagar Metalics Limited,

News published in Kannada Nudi