

ENVIRONMENTAL CLEARANCE COMPLIANCE STATUS REPORT

JSW STEEL LTD, DOLVI WORKS

**Six Monthly Compliance Status Report
(Apr'2025 to Sep'2025)**

Environmental Clearance Letter No J-11011/76/2013-IA-II(I) dated 16/06/2020

Changes in Plant configuration for proposed expansion of Integrated Steel Plant from 5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra

**ENVIRONMENTAL MANAGEMENT DEPARTMENT
JSW STEEL LTD, DOLVI WORKS, TALUKA PEN, RAIGAD-DISTRICT,
MAHARASHTRA 402107**

Compliance Report to Conditions stipulated in Environment Clearance for Changes in Plant configuration for proposed expansion of Integrated Steel Plant from 5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra [No J-11011/76/2013-IA-II(I) dated 16/06/2020] for period (Apr 2025 to Sep 2025)

Annexure IV

SIX MONTHLY COMPLIANCE REPORTS OF ENVIRONMENT CLEARANCE CONDITIONS

The production facilities after the expansion are given below:

S. No	Unit Name	Existing facility	EC accorded for Facilities under 5 to 10 MTPA	Total capacities at 10 MTPA	Compliance Status
1.	DR1 (Gas based Mega Module)	2.0 MTPA (by augmentation)	2.0 MTPA	4.0 MTPA	2.0 MTPA plant commissioned and in operation 2.0 MTPA to be implemented.
2.	Pellet Plant	4.0 MTPA	9.0 MTPA	13.0 MTPA	Plants 4.0 MTPA and 9 MTPA are in
3.	Coke Ovens including By-product plant	2.0 MTPA	2.5 MTPA	4.5 MTPA	3.0 MTPA Coke Oven Plant commissioned and in operation by JSW Steel Ltd. 1.0 MTPA Coke Oven Plant is in the name of M/s. ARCL Ltd vide EC
4.	Sinter Plant	2.8+3.2 MTPA	4.0 MTPA	10.0 MTPA	2.8 MTPA +2.5 MTPA (i.e. 5.3 MTPA) operational. Application for Consent to Establish has been submitted to MPCB for Sinter Plant with capacity of 4.7 MTPA.
5.	Blast Furnace including Pig casting	3.6 MTPA (by augmentation)	4.5 MTPA	8.1 MTPA	8.0 MTPA Commissioned and in operation
6.	SMS (CONARC)	5.2 MTPA (by augmentation)	--	5.2 MTPA	5.0 MTPA Commissioned and in
7.	SMS -BOF	--	6.0 MTPA	6.0 MTPA	6.0 MTPA Commissioned and in
8.	Ladle Furnace (LF)	2x200t +205t	2X300t	2x200t +205t 2X300t	Commissioned and in operation

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S. No	Unit Name	Existing facility	EC accorded for Facilities under 5 to 10 MTPA	Total capacities at 10 MTPA	Compliance Status
9.	VD/VOD & RH-TP	1x200t+1x205t	2x300t	1x200t +1x205t 2x300t	- 1x200t+1x205t Commissioned in operation - 2x300t in operation
10.	CSP (HRC Coil) Thin Caster-cum- Hot Strip Finishing Train	3.5 MTPA (By Augmenting)	-	3.5 MTPA	Commissioned and in operation
11.	Conventional Slab Caster	2x1 strands (3.68 MTPA)	2x2 strands (5.73 MTPA)	Total 6 strands (9.41 MTPA)	Slab Caster (Continuous and Conventional) Commissioned and in operation
12.	Billet Caster	-	1x6 Strands	6 strands (1.5 MTPA)	Commissioned and in operation
13.	Plate Mill	1.5 MTPA	-	1.5 MTPA	To be implemented
14.	CRM (Hot Rolled Skin Pass + Cold Rolled Full Hard Coil + Hot Rolled Pickled & Oiled Coil)	1.0 MTPA	1.5 MTPA	2.5 MTPA	To be implemented
15.	Galvanizing Line (Cold Rolled Steel Strips, Hot Dip Zinc Coated Full Hard)	0.6 MTPA	-	0.6 MTPA	To be implemented
16.	Electrical Steel CRGO line	0.4 MTPA	-	0.4 MTPA	To be implemented
17.	Tin Plate Mill	0.4 MTPA	-	0.4 MTPA	To be implemented
18.	Colour Coating Plant	0.5 MTPA	-	0.5 MTPA	To be implemented
19.	Lime/Dolo Plant	1800 TPD	1800 TPD	3600 TPD	Commissioned and in operation

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S. No	Unit Name	Existing facility	EC accorded for Facilities under 5 to 10 MTPA	Total capacities at 10 MTPA	Compliance Status
20.	Oxygen Plant	4100 TPD	3500 TPD	7600 TPD	6660 TPD Capacity Commissioned and in operation. (2200+2200+1000+1260)
21.	Hot Rolling Mill with shearing & slitting line	-	5.0 MTPA	5.0 MTPA	Commissioned and in operation
22.	Bar Mill	-	1.4 MTPA	1.4 MTPA	Commissioned and in operation
23.	Slag & Clinker Grinding Unit	-	10 MTPA	10 MTPA	Implemented, EC transferred to JSW
24.	Captive Power Plant	300 MW	300 MW	600 MW (based on surplus gases of BF & Coke)	1x55 MW + 1x175 MW CPP Commissioned and in operation
25.	Township	-	150 acres	150 acres	Work in progress.
26	Solid Waste Incinerator	250 Kg/Hr	250 Kg/Hr	250 Kg/Hr	Commissioned and in operation

Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
A) Specific Conditions		
i	PP Shall develop green belt in an area of 16% of project area within the project site and 33% of Project area within the 10 km of study area.”	<p>Green Belt within Plant:</p> <p>Presently, 14% green belt is developed over 88.26 ha land within the plant premises and balance 11.34 Ha (2%) green belt development is in progress. Green belt developed with tree density 2500 trees/hectare and local species.</p> <p>Green Belt Outside Plant in 10 Km area:</p> <p>JSWSL Dolvi has carried out plantations in 248.9 ha of land outside the plant area. Of this, 51.0 ha has been carried out in degraded forest areas with the assistance of Forest department and 197.9 ha of Mangroves and other plantations have been carried out in nearby village areas. Green belt development</p>

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Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
		outside plant premises is 40 % of the land area. Hence, Condition is complied.
ii	The CER activities shall be implemented in accordance with this Ministry's OM vide F.No.22 -65/2017-IA III dated 1 st May 2018 within the Project implementation period.	<p>The project proponent is carrying out CSR activities in various sectors are being done in the surrounding villages and a time bound action plan for various CSR activities have been submitted to MoEF&CC as per EAC recommendation of 2.5% of project cost.</p> <p>The CER activities shall be implemented in accordance with Ministry 's OM vide F.No.22 -65/2017-IA III dated 1st May 2018 within the Project implementation period. A separate budget is incurred under CER activities, which are included in the Budget proposal Amount spent on CER Activities is Rs 119.86 Crores. The above amount was spent on for construction of Multi-Speciality Hospital, Construction of Roads outside the pant premises, and expenditure on Tree plantation in nearby villages (outside the Plant). Details of the CER is attached Annexure-1. Hence the condition has been complied.</p>
iii	Treated domestic wastewater generated from township shall be reused and recycled.	<p>When construction of Township will be done, Domestic Wastewater from township will be treated in STP and shall be reused in gardening.</p> <p>Hence, Condition shall be complied.</p>
iv	The Project Proponent Shall achieve Zero Liquid Discharge (ZLD) at the end completion of all the facilities. In the meantime the treated wastewater shall be discharged into sea after obtaining necessary permission /clearance from the concerned regulatory authority.	<p>Zero Liquid Discharge (ZLD) will be achieved at the end completion of all the facilities by Dec 2025. Meanwhile, excess treated effluent conforming to standards is being discharged to Amba River Estuary as per the permission obtained from MoEF&CC – CRZ Division vide letter No F.No.11-7/2023-IA. III dated 5th April 2023, the permission is granted for discharge of treated water 615 M3/Hr.</p> <p>Hence, Condition is complied.</p>
B) General Conditions		
I. Statutory Compliance:		

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i	The Project Proponent shall obtain Consent to Establish /Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act.1974 from the concerned State Pollution Control Board / Committee.	Copies of Consent to Operate obtained from MPCB for all plants. Hence, condition is complied.
ii	The Project proponent Shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water /from the competent authority concerned in case of drawl of surface water required for the project.	Water supply to the project is from Irrigation Department, Raigad, GoM. Agreement is made between JSW Steel Ltd and Irrigation Department, Raigad, Copy of Agreement enclosed as Annexure 2 Hence, condition is complied.
iii	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time	Authorization under the Hazardous and other Waste Management Rules, 2016 is granted by MPCB as a part of Combined Consent and Authorization document. Hence, condition is complied.
II. Air quality monitoring and preservation		
i	The Project Proponent Shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 st March 2012 (Integrated iron & Steel) ; G.S.R 414 (E) dated 30 th May 2008 (Sponge Iron) as amended from time ; S.O 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	24x7 continuous emission monitoring system (CEMS) is provided at process stacks as per guidelines of CPCB and MPCB consent requirement. Screenshot of Connectivity of CEMS is enclosed as Annexure 3 Calibration of the CEMS is done on by the external agency on regular basis Hence, condition is complied.
ii	The Project Proponent Shall monitor fugitive emission in the plant premise	Fugitive Dust Monitoring is undertaken every month and the analysis report is attached in Annexure 5 .

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	at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.	Hence, condition is complied.
iii	The Project Proponent Shall install system to carryout Continuous Ambient Air Quality monitoring for common /criterion parameters relevant to the main pollution released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x emissions) Within and outside the Plant area at least at four locations (one within and three outside the plant area at an angel of 120° each) covering upwind and downwind directions.	CAAQMS installed at five locations in consultation with MPCB. All these stations are connected to URL of MPCB & CPCB & data is being transmitted online on real time basis for PM _{2.5} , PM ₁₀ , SO ₂ , NO _x & CO. Screenshot of Connectivity of CAAQMS to MPCB is enclosed as Annexure-4 . Hence, condition is complied.
iv	The cameras shall be installed at suitable location for 24x7 recording of battery emission on the both sides of coke oven batteries and videos shall be preserved for at least one – month recording.	Camera installed at the Coke Oven battery with facility of storage of data. Hence, condition is complied.
v	Sampling facility at process stacks and at quenching towers shall be provide as per CPCB guidelines for manual monitoring of emissions.	Sampling facility at process stacks and at quenching towers provide as per CPCB guidelines. The access for monitoring on stack is provided through spiral ladder as well as man lifter machine. Hence, condition is complied.
vi	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and result of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional office of MoEF&CC, Zonal office of CPCB and regional office of SPCB along with six – Monthly monitoring report.	Six Monthly Environment Monitoring Report is submitted to MoEFCC along with EC compliance report. Copy of email of last submission in Jun 2025 is enclosed as Annexure-5 . Hence, condition is complied
vii	Appropriate Air Pollution Control (APC) system shall be provide for all the dust generating points including fugitive dust from all vulnerable sources so as to comply prescribed	<ul style="list-style-type: none"> Stack of adequate height & diameter with continuous stack monitoring facilities for all the stacks are provided, 46 nos of stacks are connected through OCEMS to CPCB and MPCB.

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	stack emission and fugitive emission standards.	<ul style="list-style-type: none"> • ESP (17nos) and Bag Filters (157nos), Cyclone & Venturi Scrubber (06 nos), Dry Cyclone separator (01 no) are provided to control the PM emission from stacks within norms. • Raw Material handling area with yard sprinklers, dry fog system, Dust extraction systems to control the fugitive emissions. Covered sheds for Raw Material storage purpose provided. • Covered shed for Jetty yard-A with a capacity of 110,000MT for Coal Storage • Covered shed for Jetty Yard-B with a total capacity of 305,000 MT for Iron Ore and Flux. • Covered Sheds (2 Nos) for Pellet and Coke Storage of Capacity-1,20,000 MT each. • Covered shed for storing Iron Ore Bearing Material and Flux is in progress. Capacity of the covered shed is 4,27,000 MT. • Investment on Yard sprinklers, De-dusting system and Dry fogging system to the amount of Rs 77.29 Crores • Bag filter, ESPs with adequate capacity to keep the emission levels below 30 mg/Nm³ in all plants (Steel Melting Shop II, Hot Strip Mill II, Blast Furnace II and Lime Calcination Plants 5,6,7) • Stacks of adequate height & diameter with continuous stack monitoring facilities for all the stacks as per the requirement. • Energy efficient technologies in the Plant like waste heat recovery system, Top gas recovery turbine from Blast furnace and Gas Based power plant. • All internal roads made of concrete. • Road Sweeping machines (06 nos) and water sprinkler tankers (02 nos). • Transferring dust of De-dusting system and other secondary dusts generated from Pollution Control equipment by bulkers. • Transferring raw material from Jetty to plant 100 % through belt and pipe conveyors thereby eliminating any chances of fugitive emission through transportation of material from outside plant to the raw material yard there by improving the Ambient Air Quality.

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		Hence, condition is complied.
Viii	The Project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.	In De-dusting system leakage detection system provided. Bag filters with mechanized bag cleaning system like pulse jet type is provided. Hence, condition is complied.
ix	Secondary emission control system shall be provide at SMS Converters.	In SMS Converters, Dust extraction system with bag filters and ESPs provided to control the secondary emissions. Hence, condition is complied.
x	Pollution control system in the steel plant shall be provided as per the CREP Guidelines of CPCB.	The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants shall be complied as per the guidelines. <ul style="list-style-type: none"> • BF Slag- 100% utilized in Cement plant. • Steel slag- Utilized for construction activities for expansion projects by land reclamation in the low-lying areas and is also being used for internal road making. Further the slag shall be utilized for road construction (Internal roads and National Highways) and marine applications like tetrapod and other civil structures. • The specific water consumption for the year 2025 – 26 (from Apr’25- Sep’25) is < 2.33 m3/t of crude steel which is well below the targets for flat products and as well as for long products. • Dry Gas Cleaning plant installed in Blast Furnace 2. The traditional wet scrubbing process has high pressure drop due which the energy recovery is low (14 MW) but the bag filter has low pressure drop thus has high energy to recovery (36 MW), by using Dry GCP process the energy recovery has increase approx. of 22 MW, which will reduce CO2 emissions by approx. 1.4 Lac.tCO2eq. This system saves specific water consumption. • Installed Gas Holders (Coke Oven Gas and LD Gas) which helps the steady flow for distribution of gas

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		<p>in constant pressure (Operating pressure 996 mm WC). Also, it helps in proper utilization of waste gases. It saves and Energy and reduces CO₂ emission.</p> <ul style="list-style-type: none"> • Blast Furnace TRT – Energy recovery of top blast furnace gas is being done with power generation through TRT by using top pressure of BF gas. • Coke Oven Plant – Coke Dry Quenching systems (3 Nos) installed and recover the heat of red hot coke, reduce energy consumption and pollution and improve the quality of coke. Each CDQ reduces water consumption by 1920 m³/day and energy of 70 MW recovered which reduces the CO₂ emissions by approx. 10.9 Lac.t CO₂eq • Steel Melting Shop (SMS), secondary de-dusting system (Gas Cleaning Plants 4 Nos) has been installed to control fugitive emissions • Coal Injection Plant for direct injection of pulverized coal in furnace has been implemented. Present rate of CDI in our Blast Furnace 1 is 155 Kg/THM and Blast Furnace 2 is 199 Kg/THM (average for the year 2024-25). • Cast House Fume extraction system inclusive of tap holes, runners, skimmers, ladle and charging points have been provided to control Fugitive emissions from Blast Furnace. <p>Hence, condition is complied</p>
xi	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors , roofs, regularly.	<ul style="list-style-type: none"> • Vacuum based Road sweeping machines (06 Nos) are provided to clean the internal on regular basis. • Water tankers (02 Nos) with sprinklers provided for water spraying on road. • Construction of all internal roads by Concrete. • Transfer of dust from De-dusting system and other secondary dusts generated from Pollution Control equipment by bulkers. <p>Hence, condition is complied.</p>
xii	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices in the process after briquetting /agglomeration.	Iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices like Bag Filters and ESPs are reused in the process (Sinter Plant and Pellet Plants).

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		Hence, condition is complied.
xiii	The projects proponent use leak proof trucks /dumpers carrying coal and other raw materials and cover them with tarpaulin.	<p>Majority of the raw material received in the plant is from Jetty through barges. From Barges the material is unloaded through Closed conveyors and pipe conveyors.</p> <p>Raw Material Handling areas, yard sprinklers, Dry fogging system, dust extraction system provided in the junction houses and transfer points.</p> <p><u>Covered sheds for Raw Material storage purpose:</u></p> <ol style="list-style-type: none"> 1. Covered shed for Jetty yard-A with a capacity of 110,000MT for Coal Storage 2. Covered shed for Jetty Yard-B with a total capacity of 305,000 MT for Iron Ore and Flux. 3. Covered Sheds (2 Nos) for Pellet and Coke Storage of Capacity-1,20,000 MT each. 4. New covered shed for storing Iron Ore Bearing Material and Flux of Capacity 4,27,000 MT <p>Total expenditure for covered shed 5 Nos is approximate Rs 320 Crores Investment on Yard sprinklers, De-dusting system and Dry fogging system to the tune of Rs 77.29 Crores.</p> <p>Transportation within plants for materials like lime etc. is through closed bulker. Minimal transportation is through open truck.</p> <p>Hence, condition is complied</p>
xiv	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).	<p>In wharf area of coke oven batteries regular cleaning is done through manually on daily basis. The cleaned material is manually feed to the conveyor. Bag filters are installed at transfer points of Conveyor belt. Collected dust is utilized in Coal cake making.</p> <p>Hence, condition is complied</p>
xv	Land – based APC systems to be installed to control coke pushing emissions	Separate ground De-dusting systems provided to control the charging and pushing emissions from Coke oven plants.

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		Hence, condition is complied.
xvi	Monitor CO, HC and O ₂ in flue gases of the Coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.	In Coke Oven plants on line systems installed to monitoring parameters for CO, HC and Oxygen. Also the cross leakages in the combustion chamber measured by separate sensors. Hence, condition is complied.
xvii	Vapour absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.	We have recovery type coke ovens, vapour absorption system is provided. Hence, condition is complied.
xviii	In Case concentrated ammonia liquor is incinerated, adopt high temperature incineration to destroy Dioxins and Furans. Suitable NO _x control facility shall be provided to meet the prescribed standards.	No incineration of concentrated ammonia liquor. Claus process is assisted with ammonia decomposition furnace. Hence, condition is not applicable.
xix	The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%.	Sulphur content in coal is less than 1%, however, Desulphurization system has been provided in Coke oven plants. After Tar separation, Coke Oven gas is sent to Desulphurization section where the sulphur in the form of H ₂ S gets adsorbed to ammonia solution in the desulphurization tower. The liquor from de-sulphurization tower is sent to De-acidifier & Ammonia Stripping Unit (DASU) to generate sulphur containing vapours, which is further sent to Claus process for sulphur recovery. Hence, condition is complied.
xx	Wind Shelter fence and chemical spraying shall be provide on the raw material stock piles.	Closed covering sheds constructed for storing the raw materials (Coal and Coke). Raw material is being transported through closed conveyors. Raw Material Handling areas, yard sprinklers, Dry fogging system, dust extraction system provided in the junction houses and transfer points. Installed Covered sheds (4 Nos) for Raw Material storage purpose. • Covered shed for Jetty yard-A with a capacity of 110,000MT for Coal Storage. Covered shed for Jetty

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		<p>yard-B with a total capacity of 305,000 MT for Iron Ore and Flux.</p> <ul style="list-style-type: none"> • Covered Sheds (2 Nos) for Pellet and Coke Storage of Capacity-1,20,000 MT each. • New covered shed for storing Iron Ore Bearing Material and Flux of Capacity 4,27,000 MT • Investment on Yard sprinklers, De-dusting system and Dry fogging system to the tune of Rs 77.29 Crores <p>The project proponent has provided adequate de-dusting systems with ESPs, Bag Filters in Steel melting shop, Blast Furnace, Lime Calcination Plants, Pellet Plant.</p> <p>Photographs of cover sheds is enclosed as Annexure-6.</p> <p>Hence, condition is complied.</p>
xxi	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, Motor houses, oil Cellars.	<p>Adequate ventilation system has been provided for all motor houses, Oil cellars, Furnace areas by reputed vendors.</p> <p>Hence, condition is complied.</p>
xxi	The project proponent shall install dry Gas Cleaning Plant with bag filter for blast Furnace and SMS converter.	<p>Dry Gas Cleaning Plant with bag filter installed at Blast Furnace and SMS Converter.</p> <p>In Steel Melting Shop Basic Oxygen Furnace Converter area provided with pollution control systems like ESP and Bag Filters.</p> <p>Hence, condition is complied.</p>
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 31 st March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30 th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plant) as amended from time to time and connected to SPCB and CPCB online Servers and Calibrate these system	<p>On line effluent monitoring systems is provided as per CPCB guidelines.</p> <p>24x7 continuous emission monitoring system (CEMS) is provided at process stacks as per guidelines of CPCB and MPCB consent requirement.</p> <p>Screenshot of Connectivity of CEMS is enclosed as Annexure 3</p> <p>Calibration of the CEMS is done on by the external agency</p> <p>Hence, condition is complied.</p>

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	from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
ii	The Project Proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers /sampling wells in the Plant and adjacent areas through recognised under Environment (Protection) Act. 1986 and NABAL accredited laboratories.	No Ground water is withdrawn by JSWSL. However, we are installing one piezometer inside premises for monitoring of ground water level. Ground water quality monitoring around the plant is conducted on regular basis. Last Ground Water Quality Monitoring report is enclosed as Annexure-7 . Hence, condition is complied.
iii	The Project Proponent shall monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional office of MoEF & Cc , Zonal office CPCB and Regional office of SPCB along with Six – Monthly monitoring report.	Report of effluent monitoring are sent to Regional Office, MoEF&CC Nagpur and MPCB along with six monthly monitoring report. Copy of Letter along with six monthly monitoring report submission to RO, MoEF&CC, Nagpur is enclosed as Annexure-5 . Hence, condition is complied.
iv	The Project proponent shall provide the ETP for coke oven and by – product to meet the standards prescribed in G.S.R. 277 (E) dated 31 st March 2012 (Integrated iron & Steel); 3305 (E) dated 7 th December 2015 (Thermal Power Plant) as amended from time to time as amended from time to time.	Effluent Treatment Plant (ETP) i.e. Biological Oxidation and Dephenolization (BOD) plant has been provided for the Coke Oven plant. Treated Effluent from ETP meets the prescribed standards Hence, condition is complied.
v	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Sewage Treatment Plant provided for treatment of domestic wastewater to meet the prescribed standards. Hence, condition is complied.

Compliance Report to Conditions stipulated in Environment Clearance for Changes in Plant configuration for proposed expansion of Integrated Steel Plant from 5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra [No J-11011/76/2013-IA-II(I) dated 16/06/2020] for period (Apr 2025 to Sep 2025)

Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
vi	Garland drains and collection pits shall be 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.	Covered storage yards are provided for storage of raw material like coal, Iron Ore and Flux storage yards, installed to avoid runoff during monsoon. Hence, condition is complied.
vii	Tyre washing facilities shall be provided at the entrance of the plant gates.	Raw material shall be transported through closed conveyor belt from jetty to plant. Tippers and truck movement is restricted within premises. All internal roads are concretised. Hence, condition is complied.
viii	CO ₂ injection shall be provide in GCP of SMS to reduce pH in circulating water to ensure optimal recycling of treated water for converter gas cleaning.	Dry type GCP is provided at SMS. Hence, reduce pH in circulating water to ensure optimal recycling of treated water is not applicable. Hence, condition is complied.
ix	The projects proponent shall make efforts to maximum possible extent.	Noted.
x	Treated water from ETP of COBP shall not be used for coke quenching.	Dry type quenching method is used for coke quenching. However, while using the Wet quenching system, the treated water from the BOD plant is used for coke quenching purpose Hence, condition is complied.
xi	Water meters shall be provided at the inlet to all unit processes in the steel plant.	Water meters have been provided at individual units to measure the water consumption. Hence, condition is complied.
xii	The projects proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Blow down from the cooling tower of clean circuit is fed as make-up water to cooling circuit of contaminated water. Pressure filtration system provided for cleaning the contaminated water. Dry Gas Cleaning Plant provided at SMS Converter & Blast Furnace for water scrubber elimination, leading to the effective collection of LD gas and BF gas and utilized inside the plant. Coke dry quenching system installed at Coke oven plant. Hence, condition is complied.
IV Noise monitoring and prevention		

Compliance Report to Conditions stipulated in Environment Clearance for Changes in Plant configuration for proposed expansion of Integrated Steel Plant from 5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra [No J-11011/76/2013-IA-II(I) dated 16/06/2020] for period (Apr 2025 to Sep 2025)

Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
i	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional officer of the ministry as a part of six –monthly compliance report	Noise level monitoring is carried out in the plant locations and submitted to MoEFCC on six monthly basis. Copy of noise monitoring report is enclosed as Annexure-5. Hence, condition is complied.
ii	The ambient noise levels should conform to the standards prescribed under E (P) rules, 1986 viz . 75 db (A) during day time and 70 db (A) during night time	Copy of noise monitoring report is enclosed as Annexure-5. Hence, condition is complied.
V. Energy Conservation measures		
i	The project proponent shall provide TRTs to recover energy from top gases to blast furnaces.	In Blast Furnace Top Gas Recovery Turbine is provided to recover the energy from top gases. The top gas from blast furnace is having high pressure (5 bars) which is recovered through Top Recovery Turbine (TRT). The traditional wet scrubbing process has high pressure drop due which the energy recovery is low (14 MW) but the bag filter has low pressure drop thus has high energy to recovery (36 MW), by using Dry GCP process the energy recovery has increased approx. of 22 MW. Hence, condition is complied.
ii	Coke Dry Quenching (CDQ) Shall be provided for coke quenching for the both recovery and non – recovery type coke ovens ;	We have recovery type Coke oven plant. Coke Dry Quenching (CDQ) system installed at Coke oven plants. The steam generated from the CDQ is used to generate power. Hence, condition is complied.
iii	Waste heat shall be recovered from sinter Plant coolers and Sinter Plants coolers and sinter Machines.	At Sinter plants an Coke Oven plants, waste gas recovery systems with boilers are already installed. • Energy efficient technologies provided in the Plant like waste heat recovery system, • Sinter plant- 1 Boiler (7 TPH) Waste Heat Recovery • Sinter plant- 2 Boiler (20 TPH) Waste Heat Recovery • Coke Oven -2 Boiler (9.2 TPH) Waste Heat Recovery

Compliance Report to Conditions stipulated in Environment Clearance for Changes in Plant configuration for proposed expansion of Integrated Steel Plant from 5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra [No J-11011/76/2013-IA-II(I) dated 16/06/2020] for period (Apr 2025 to Sep 2025)

Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
		<ul style="list-style-type: none"> • Coke Oven -2 Boiler (5.2 TPH) Waste Heat Recovery • Coke Oven -2 CD Boiler (5.2 TPH) Waste Heat Recovery • Coke Oven -1 Boiler (4.5 TPH) Waste Heat Recovery • Steel Melting Shop-2 Boiler (74 TPH) Waste Heat Recovery • Coke Dry Quenching (CDQ) Boiler-1 (72 TPH) Waste Heat Recovery • CDQ Boiler -2 (94 TPH) Waste Heat Recovery • CDQ Boiler -3 (94 TPH) Waste Heat Recovery <p>Hence, condition is complied.</p>
iv	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used , provide covers for open top ladles.	<p>In Blast Furnace I & II the hot metal is transferred through torpedo ladle car (TLC). Total 35 Nos of TLCs are provided. 200 Tons capacity (21 Nos) for both BF-1 & BF-2 and 380 Tons capacity (14 nos) for BF-2,</p> <p>Hence, condition is complied.</p>
v	Use hot charging of slabs and billets / blooms as far as possible.	<p>The system is continuous process for making Hot rolled coils and TMT bars. Hence as per the existing practice, hot charging of slabs and billets / blooms process in place.</p> <p>Hence, condition is complied.</p>
vi	Waste hot recovery system shall be provide in all units where the flue gas or process gas exceeds 300°C .	<p>Existing Sinter plants I & II waste gas recovery systems with boilers are already installed. Coke oven plants heat recovery boilers provided.</p> <ul style="list-style-type: none"> • Dry Gas Cleaning plant installed in Blast Furnace, the bag filter has low pressure drop thus has high energy to recovery (36 MW), by using Dry GCP process the energy recovery has increase approx. of 22 MW. • Installed Gas Holders (Coke Oven Gas and LD Gas) which helps the steady network flow for distribution of gas in constant pressure (Operating pressure 996 mmWC). Also it helps to proper utilization of waste gases. It saves Energy and reduces CO2 emission.

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Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
		<ul style="list-style-type: none"> • Blast Furnace TRT – Energy recovery of top blast furnace gas is being done with power generation through TRT by using top pressure of BF gas. • Coke Oven Plant – Coke Dry Quenching systems (3 Nos) installed and recover the sensible heat of red hot coke, reduce energy consumption and pollution and improve the quality of coke. CDQ reduces water consumption and recovers energy which will reduce the CO2 emissions. <p>Hence, condition is complied.</p>
vii	Explore feasibility to install WHRS at Waste Gases from BF Stoves: Sinter Machine Sinter Cooler, and all reheating furnaces and if feasible shall be installed .	At Blast Furnace, Sinter plants and Coke oven plants, Waste Heat Recovery boilers are in place. Hence, condition is complied.
viii	Restrict Gas Flaring to < 1%	<p>Following initiatives have been taken to restrict gas flaring <1% :</p> <ul style="list-style-type: none"> • The Gas generated form Blast Furnace and Coke oven plants are used as fuel in other plants. • Operation of Gas Based Captive Power plants of capacity 55 MW and 170 MW by Using BF and Coke oven gas. • Installed Gas Holders (Coke Oven Gas and LD Gas) of capacity 1 Lakhs M3 which helps the steady network flow for distribution of gas in constant pressure. • Total CO2 Savings will be approximately 660000 Ton of CO2 per year. • Energy saving approximate 1 Million Gcal/Year <p>Hence, condition is complied.</p>
ix	Provide solar Power generation on roof tops of buildings for solar light system for the all common area, stress lights. Parking around projects area and maintain the same regularly;	Power generation on site is through gas based CPP using waste gas/by-product gases from processes of units of integrated steel plant. Thus, non-fossil fuel based power generation is already implemented. However, feasibility of installation of solar Power generation is being worked out and shall be implemented by end of completion of project. Hence, condition is being complied.

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Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
x	Provided LED lights in their officers and residential areas.	LED lights are provided in the plant offices and plant areas. Hence, condition is complied.
xi	Ensure installation of regenerative type burners on all reheating furnace.	Regenerative type burners are provided on reheating furnaces. Hence, condition is complied.
VI. Waste management		
i	An attrition grinding unit to improve the bulk density of BF granulated slag from 1.0 to 1.5 kg /l shall be installed to use slag as river sand in construction industry.	BF Slag is 100 % used Cement making by JSW Cement. Hence, condition is complied.
ii	In Case of Non – Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximise heat recovery.	The existing coke oven plants are recovery type. The coke oven gas generated is used as fuel for various processes. Heat recovery system boilers installed at Coke oven plants. The waste heat lines are insulated to conserve heat and to maximise heat recovery. Hence, condition is complied.
iii	Tar sludge and waste oil shall be blend with coal charged in coke ovens (applicable only to recovery type coke ovens)	As per the Coke Oven plants are recovery type, the Tar sludge is blended with coal charging in the battery. Hence, condition is complied.
iv	Carbon recovery plant to recover the elemental to recover scrap , metallic and flux for recycling to sinter plant and SMS.	For existing plant, the steel scrap generated from the plant is used in Electric Arc Furnace. The Solid wastes like Coal dust, Iron Ore fines, Lime Stone fines, Bag filter dust and ESP dusts are reused as raw material in Sinter Plants and Pellet plants. Hence, condition is complied.
v	Waste Recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.	Slag processing plant with Metal recovery system is in place. All the plant wastes like Bag Filter Dust, ETP sludge and Iron bearing materials are used in Sinter plants and Pellet Plant. The metal scarp like skull and MS scraps are used in Electric Arc Furnace. Hence, condition is complied.

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Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
vi	Used refractories shall be recycling for possible.	<p>The used refractories are used in Steel melting shop as Eccentric Bottom Tapping (EBT) filling mass and sold to outside parties and/or used for land filling.</p> <p>Hence, condition is complied.</p>
vii	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The Projects proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. the Project proponent shall establish linkage for 100% reuse of rejects from waste recycling plant.	<p>R&D work with various Govt. agencies are carrying out the utilization of Steel slag for various purposes. EAF slag is being used for road construction (Internal roads and National Highways) and land reclamation purpose.</p> <p>Study conducted by Central Road & Research Institute (CRRRI) for Construction of Concrete road by using Steel Slag (EAF Slag) as aggregates and construction of JSW Steel, under the CSIR-CRRRI technological guidance, has constructed the 1 km long four lane steel slag road section on Indapur-Panvel Section of NH-66 Mumbai-Goa. For construction of this road around 80,000 tons of CONARC Steel slag were converted as processed steel slag aggregates at JSW Steel Dolvi, Raigad plant.</p> <p>Also steel slag can be used for marine applications for making tetrapod and marine structures.</p> <p>BOF Slag will be processed by steam quenching technology and shall be used for construction purpose. Proposed project for converting the slag into sand (by processing in Slag to Sand plant).</p> <p>Hence, condition is complied.</p>
viii	100% utilization of fly ash shall be ensured . All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's regional Office.	<p>This condition is not applicable to this plant.</p> <p>The Captive Power plant for the existing and the expansion project are Gas based. Hence Fly Ash will not be generated in the process. Therefore, Fly Ash utilization is not relevant to this plant.</p>
ix	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.	<p>Oil cellar areas, oil collection pits have been provided to collect the spilled oil.</p> <p>This plant is not producing Cold Rolled Coil and don't have facility for storage of cold rolled coil.</p> <p>Hence, condition is complied.</p>

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Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
x	The Waste oil grease and other hazardous waste like acidic sludge from picking galvanising chrome plating mills etc. Shall be disposed of as per the Hazardous & other waste (Management & Transboundary Movement) Rules 2016 Coal tar sludge / decanter shall be recycled to coke ovens .	The used and spent oil generated from the plant shall be sold to MPCB authorized recyclers as per the Hazardous Waste (Management, Handling and Transboundary Movement) Rules. We don't have facility for producing galvanising chrome plating mill. Hence there will not be generation of acidic sludge. Coal tar sludge / decanter generated from Coke oven plant is being recycled to coke ovens as per the CREP Guidelines as the Coke oven plant is recovery type. Hence, condition is complied.
xi	Kitchen waste shall be composed or converted to biogas for further use.	Canteen waste is composed and converted into Bio gas. Hence, condition is complied.
VII. Green Belt		
i	Green belt shall be developed in are equal to 33% of the plant area with a native tree species in accordance with CPCB guideline. The greenbelt shall inter alia covert the entire periphery of the plant.	Green Belt within Plant: Presently, 14% green belt is developed over 88.26 ha land within the plant premises and balance 11.34 Ha (2%) green belt development is in progress. Green belt developed with tree density 2500 trees/hectare and local species. Green Belt Outside Plant in 10 Km area: JSWSL Dolvi has carried out plantations in 248.9 ha of land outside the plant area. Of this, 51.0 ha has been carried out in degraded forest areas with the assistance of Forest department and 197.9 ha of Mangroves and other plantations have been carried out in nearby village areas. Green belt development outside plant premises is 40 % of the land area. Hence, Condition is complied.
ii	The Projects proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including planation.	GHG emissions inventory is being prepared for regular monitoring of CO2 emissions. Plant wise CO2 Emissions contributors are regularly monitored and action plan prepared. CO2 emission n reduction plan is as below-

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Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
i	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management plan shall be implemented .	Plant wise Hazard Identification and Risk Assessment (HIRA) and Disaster Management plan are already implemented. Hence, condition is complied.
ii	The project proponent shall carry out heat stress analysis for the workmen who work in in high temperature work zone provide personal protection Equipment (PPE) as per the norms of factory Act.	Heat Stress analysis is being implemented for the workman who are working in high temperature area and adequate PPEs shall be provided. The records are maintained and submitted to statutory authorities by HR. Hence, condition is complied
iii	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking mobile toilets, mobile STP, safe drinking water medical health care ,crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	During construction of housing colony, necessary infrastructure and facilities such as fuel for cooking mobile toilets, mobile STP, safe drinking water medical health care, crèche etc is being provided to the labours. After completion of the entire project activities, the same shall be removed. Hence, condition is complied
iv	Occupational heath surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	As per the Factories Act, regular health check-ups have been done for workers and employees & records are maintained on regular basis. Hence, condition is complied
IX CSR Environment Responsibility		
i	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental police should prescribe for standards operating to have proper check and balance 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	Environment Policy is in place and being complied in adherence to Environmental Clearance, Environmental Laws and regulations. Copy of Environment Policy is enclosed as Annexure-8 . Hence, condition is complied.

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	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.	
ii	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.	<p>Separate Environment Cell is in place having qualified Environment personnel. The Environment Cell team size is around 25 nos.</p> <p>The Team reports to Site Environment head and Site Environment head reports to Site Head and Corporate Environment Head, who reports to Chief Operations Officers- COO.</p> <p>Hence, condition is complied.</p>
iii	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry / regional office along with the Six Monthly Compliance Report.	<p>A separate budget head created under Environment Management Programme and the fund marked for Environment protection measures shall be maintained separately and it will not have diverted for any other purpose.</p> <p>Rs 806 Crores spent for Expenditure on Environment Protection as capital investment for plants under Expansion from 5 to 10 MTPA steel Plant for pollution control devises for Air, Water and Solid Wastes.</p> <p>Hence, condition is complied.</p>
iv	Self environment audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	<p>Internal audit is conducted by trained internal audit team.</p> <p>External audit also conducted by third party once in a year.</p> <p>Hence, condition is complied.</p>
v	All the recommendation made the charter on corporate responsibility for Environment protection (CREP)_ for the Iron and steel plants shall implemented.	<p>The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants shall be complied as per the guidelines.</p> <ul style="list-style-type: none"> • Blast Furnace – Energy recovery of top blast furnace gas is being done with power generation through TRT by using top pressure of BF gas. • DRY Gas Cleaning Plant installed in Blast Furnace.

Compliance Report to Conditions stipulated in Environment Clearance for Changes in Plant configuration for proposed expansion of Integrated Steel Plant from 5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra [No J-11011/76/2013-IA-II(I) dated 16/06/2020] for period (Apr 2025 to Sep 2025)

Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
		<ul style="list-style-type: none"> • Steel Melting Shop (SMS), secondary de-dusting system has been installed to control fugitive emissions • Coal Injection Plant for direct injection of pulverized coal in Blast Furnace has been implemented. Present rate of CDI in our Blast Furnace is 200 Kg/THM. • BF Slag- 100% utilized in Cement plant. • Steel slag- Utilized 100 % for construction activities for expansion projects by land reclamation in the low lying areas and is also being used for internal road making. Further the slag will be utilized for road construction and marine applications like tetrapod and other civil structures. • Cast House Fume extraction system inclusive of tap holes, runners, skimmers, ladle and charging points have been provided to control Fugitive emissions from Blast Furnace. <p>• The specific water consumption for the year 2024 – 25 till sept’2025 is < 2.31 m³/t of crude steel which is well below the targets for flat products and as well as for long products.</p> <p>Online Stack Monitoring System have been installed on all stacks. The real time data is interlinked with MPCB and CPCB server.</p> <p>Hence, condition is complied.</p>
X. Miscellaneous		
i	The Projects proponent shall make public the environmental clearance granted for their projects along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspaper of the District or State, of which one shall be in the vernacular language within seven days and addition this shall also be displayed in the project proponent’s website permanently.	Published in newspaper as per guidelines namely in Local newspaper Dainik Krushiwal, Raigad Times, Ramprahar dated 30 th June 2020 and English newspaper Free Press Journal dated July 10, 2020 and the same was displayed on JSW website. <p>Hence, condition is complied.</p>
	The copies of environmental clearance shall be submitted by the	A copy of Environment Clearance letter is already submitted to concerned Panchayat, Zillah

Compliance Report to Conditions stipulated in Environment Clearance for Changes in Plant configuration for proposed expansion of Integrated Steel Plant from 5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra [No J-11011/76/2013-IA-II(I) dated 16/06/2020] for period (Apr 2025 to Sep 2025)

Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
	projects 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.	Parishad/Municipal Corporation, Urban Local Body and the local NGO, Hence, condition is complied.
iii	The project proponent shall up lode the status compliance of stipulated environment clearance conditions including results of monitored date on their website and update the same on half – yearly basis.	Noted and shall be complied on regular basis. Environmental Monitoring Report and EC Compliance status are regularly updated on the company website. Hence, condition is complied.
iv	The Projects Proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters , indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Environmental parameters are monitored on monthly basis and the Six monthly environmental monitoring reports are submitted to MoEFCC and displayed the same in JSW Steel website. Hence, condition is complied.
v	The Project proponent shall submit six- monthly reports on the status of the compliance of the stipulated Environmental conditional on the website of the ministry of environment ,Forest and Climate change at environmental Clearance portal.	Six monthly environmental Clearance compliance reports are submitted to MoEFCC and displayed the same in JSW Steel website. Hence, condition is complied.
vi	The Project proponent shall submit the environment statement for each financial year in from –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.	Environment Statement reports are prepared and submitted to MPCB before 30 th September of every year. The same is uploaded on JSW Steel Website. Hence, condition is complied.
vii	The Project proponent shall inform the Regional office as well as 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	The status of commencement and start of production is provided to all the authorities with six monthly compliance reports. Hence, condition is complied.

Compliance Report to Conditions stipulated in Environment Clearance for Changes in Plant configuration for proposed expansion of Integrated Steel Plant from 5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra [No J-11011/76/2013-IA-II(I) dated 16/06/2020] for period (Apr 2025 to Sep 2025)

Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
	project.	
viii	The Project authorities must strictly adhere to the stipulations mode by the state pollution control Board and the state Government.	The Project authorities is adhering strictly to the stipulations mode by the state pollution control Board and the state Government. Hence, condition is complied.
ix	The Project proponent shall abide 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 .	Separate budget is maintained for implementing the projects/ issues as discussed during Public Hearing and as per the discussions with the Expert Appraisal Committee. JSW foundation is the apex organization which is responsible for implementation of CSR activity in and around Dolvi works. JSW foundation is supported by JSW Steel Limited & will be complied. The project proponent has spent the following Amount on CSR Activities: The project proponent has spent Rs 13.42 Crores under CSR activity for 2023-24 (April to March 2024) The above amount has been spent on Social Development- (Education & Training), Skill Development, Water and Sanitization, Agriculture, Rural Development, Health, Solid Waste Management and Community Development. Hence, condition is complied.
x	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment , Forests and Climate Change (MoEF/ CC).	No further expansion or modification in the plant have been carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF/ CC). Hence, condition is complied.
xi	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.	All the data is submitted with authenticity and undertaking for correctness. Hence, condition is complied.
xii	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	All the required conditions are implemented. Hence, condition is complied.

Compliance Report to Conditions stipulated in Environment Clearance for Changes in Plant configuration for proposed expansion of Integrated Steel Plant from 5 to 10 MTPA by M/s JSW Steel Limited at Geethapuram, Village Dolvi, Tehsil Pen, District Raigad in Maharashtra [No J-11011/76/2013-IA-II(I) dated 16/06/2020] for period (Apr 2025 to Sep 2025)

Sr. No.	ENVIRONMENTAL CLEARANCE CONDITIONS	COMPLIANCE STATUS
xiii	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Agreed and complied for the conditions of MoEF&CC. Hence, condition is complied.
xiv	The Regional office of this Ministry Monitor Compliance of stipulated conditional. The Project authorities should extended full cooperation to the officer (s) of the regional office by furnishing the requisite data /information/monitoring reports.	Agreed and complied. Hence, condition is complied.
xv	The above conditions shall be enforced inter – alia under 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 ,2016 and any other orders passed by the hon’ble supreme Court of India /High Court and any other Court of Law relating to the Subject matter.	The plant is complying for <ul style="list-style-type: none"> •The Water (Prevention and Control of Pollution) Act 1974 •The Air (Prevention and Control of Pollution) Act 1981 •The Environment (Protection) Act 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules 2008 •The Public (Insurance) Liability Act 1991 along with their amendments and Rules. Hence, condition is complied.
xvi	Any appeal against this EC shall lie with National Green Tribunal ,if any, preferred within a period of 30 days as prescribed under section 16 of the National green Tribunal Act,2010.	Agreed and complied. Hence, condition is complied.

Annexure 6

CER Details for five years (in Crores)

S. No	Programme	Program details	Total	2017-18	2018-19	2019-20	2020-21	2021-22
1	Health	Construction of a new Multi speciality Hospital Jindal Sanjeevani Dolvi Hospital (70 beds) located near the plant on the road to Wadkhal. The hospital will serve the healthcare needs of the local community and employees at affordable costs making healthcare accessible to the local community.	65	10	20	25	10	-
2	Water	Provision of drinking water to 45 villages along the makeup water line to the steel plant.	15	2	8	5		
		Construction of Rain Water Harvesting at roof top of nearby villages and nearby schools.	0.76	0.17	0.14	0.15	0.15	0.15
		Renovation of community ponds nearby villages	0.45	0.08	0.07	0.1	0.1	0.1
3	Infrastructure	Construction of internal village roads, pathways, Drainage and installation of solar street lights	16.35	1.75	3.4	3.6	3.8	3.8
4	Skill development	Supporting Infrastructure facilities at Industrial Training Institutes (ITIs) at Nagothae and Pen. JSW Skill school at Wadkhal, Pen for tailoring, fish, hand gloves, vegetable shop, other livelihood options.	8	1.5	1.25	1.75	1.75	1.75
5	Agricultural and Scientific support	Support of better farming practices, market linkages and create awareness about Agri allied business	4.25	0.65	0.9	0.9	0.9	0.9
6	Plantation	Mangrove plantation within 10 KM area from the plant. (345 Acres). Tree Plantation at Forest land of nearby plant area (Dolvi, Khakarav).	9	1.25	1.75	2	2	2

		Avenue Plantation at NH in the plant area.						
		TOTAL	118.81	17.4	35.51	38.5	18.7	8.7

**JSW Steel Limited, At.
Geetapuram, Dolvi, Tal. Pen,
DIST. RAIGAD, PIN- 402 107
Source- Nagothane KT Weir
149.84 MLD
01/07/2024 - 30/06/2030**



महाराष्ट्र MAHARASHTRA

2022

BR 173926

बिक्रीचे ठिकाण तहसिल कार्यालय पेण.

क्र.नं. ६१२४ स्टॅम्पची एकूण

एकूण रक्कम रु. ३५००/- ची पुरवणी क्र. ६

रुपये ५००/- मात्र

हस्ताचा प्रकार... डेरी...

वाच श्री./सौ. जे. प्रम. डल्ले रिटायर्स.

पत्तेश्री./सौ. विश्वान आबुके रा-फा

दिनांक-१०/०७/२०२४

श्री. आर. एन. पाटील

स्टॅम्प व्हेंडर, पेण, जि. रायगड

परवाना



Sub Treasury Office
Pen. Dist. Raigad

02 JUL 2024

या कारणासाठी ज्यांनी मुद्रांक खरेदी केला त्यांनी त्याच कारणासाठी
मुद्रांक खरेदी केल्यापासून ३ महिने (Non-Refundable Water supply)

- Reference: -
१. मा. मुख्य अभियंता, जलसंपदा विभाग, कोंकण प्रदेश, मुंबई यांचे पत्र जा. क्र. मुअ/ जसंविकोप्र/ तां-८/ JSW- ४२८९, दि. २१/११/२०१९
 २. मा. मुख्य अभियंता, जलसंपदा विभाग, कोंकण प्रदेश, मुंबई यांचे पत्र जा. क्र. मुअ/ जसंविकोप्र/ तां-८/ JSW- ३२६, दि. ०९/०३/२०२१

This agreement is made on the ___ day of the ___ month of the year Two Thousand Twenty-


Executive Engineer
Raigad Irrigation Division
Kolad



महाराष्ट्र MAHARASHTRA

2022

BR 173927

विक्रीचे ठिकाण सहसिल कार्यालय पेण.
 क्र.नं..... 3928 स्टॅम्पची एकूण
 एकूण रक्कम रु..... 3000/-ची पुरवणी क्र..... 2
 रुपये 500/- मात्र



दस्ताचा प्रकार..... कमीतर.....
 नाव श्री. जे. प्रम. उद्योग वित्त लि.
 मार्फत श्री. सो. विश्वास साहू यांचे

Sub Treasury Officer
 Pen, Dist. Raigad

दिनांक 18/07/2024
 JSW Steel Limited, At.
 Geetapuram,
 Dolvi, Tal. Pen,
 DIST. RAIGAD,
 PIN- 402 107

A local self Government Body such as Gram Panchayat/Zilla Parishad/Municipal Authorities/ MIDC/MJP also A Company/ Industries/ Entrepreneur/ Organization/ Proprietor/ Institution/ Factory/ User (which expression herein after referred to as "the BWUE" shall, Unless excluded by or it be repugnant to the context or meaning thereof be deemed to include its successors and assigns) registered under the Indian Companies Act, (VII of 1913), the companies Act 1956 (1 of 1956) and having its registered office at JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai- 400 051 and with communication address as JSW Steel Limited, At. Geetapuram, Dolvi, Tal. Pen, DIST. RAIGAD, PIN- 402 107 and email id suresh.jagtap@jsw.in hereinafter referred to as "the Bulk Water User Entity (BWUE)" of the one part.

07 JUL 2024

Executive Engineer
 Raigad Irrigation Division
 Kolad



महाराष्ट्र MAHARASHTRA

2022

BR 173928

वकीचे ठिकाण तहसिल कार्यालय पेण.

अ.नं.....६९२२..... स्टॅम्पची एकूण

एकूण रक्कम रु.....३.५०२/- ची पुरवणी क्र.३.....

रुपये ५००/-

दस्ताचा प्रकार..... इशर

नाव श्री./सौ. जे. पु. उकुळु शिंदे

तर्फे श्री./सौ. विश्वाय माकुड शिंदे

दिनांक-१०/०७/२०२४

श्री. आर. एन. पाटील
स्टॅम्प व्हेंडर, पेण, जि. रायगड
परवाना क्र. AND-९७



Sub Treasury Office
Pen. Dist. Raigad

02 JUL 2024

Partly माही ज्यांनी मुद्रांक खरेदी केला त्यांनी त्याच कारणासाठी
मुद्रांक खरेदी केलेल्यामुळे व भरिल्यात वाढणारे अंशनाकारक आहे

Executive Engineer, Raigad Irrigation Division, Kolad, Tal. Roha, Dist. Raigad. Under Water Resources Department, Maharashtra. (GoM / Corporation)	Herein after referred to as "the Bulk Water Supply Entity (BWSE)" (Which expression shall unless excluded by or it be repugnant to the context or meaning thereof be deemed to include his successors and assigns) of the other Part
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Executive Engineer
Raigad Irrigation Division
Kolad

कार्यकारी अभियंता,

रायगड पाटबंधारे विभाग, कोलाड, ता.रोहा, जि.रायगड. पिन नं.४०२ ३०४.

दूरध्वनी क्र.०२१९४ - २५०८५७/२५०८८४, फॅक्स - ०२१९४ - २५०८५७

Email ID:- eerid२४@gmail.com. eerid@rediffmail.com

Please visit to www.wrd.maharashtra.gov.in

जा.क्र.रापावि/प्रशा-१/२०६५ / २०२१

दिनांक-१६/५ / २०२१.

प्रति,

व्यवस्थापक,
जे एस् डब्लू स्टिल, लि. डोलवी,
ता. पेण, जि. रायगड.

विषय मे. जे एस् डब्लू स्टिल, लि. डोलवी, ता. पेण, जि. रायगड या कंपनीस अंबा नदीवरील नागोठणे बंधा-यामधून ९.०० दलली/ दिन बिगरसिंचन पाणी वापराचा करारनामा करणेबाबत.

संदर्भ १. मु.अ. जलसंपदा विभाग, कोकण प्रदेश, मुंबई कार्यालयाचे पत्र क्र मुअ/कोप्र./ तां.८/ Jsw-३२६/१०२२ दि.०९/०३/२०२१.
२. या कार्यालयाचे पत्र क्र.प्रशा-१/१३९३/२०२१ दि.३०/०३/२०२१.

उपरोक्त विषयान्वये व वरील संदर्भिय पत्र मा. मु.अ.जलसंपदा विभाग, कोकण प्रदेश, मुंबई यांचे कडून आपल्या संस्थेस अंबा नदीवरील नागोठणे बंधा-यामधून ९.०० दलली/ दिन ४४ गावाना पाणीपुरवठा करण्यासाठी बिगरसिंचन पाणी वापराची परवानगी देण्यात आलेली आहे. सदरचा करारनामा हा दि.०१/०७/२०२१ ते दि.३०/०६/२०२७ या कालावधीसाठी करण्यात येत आहे. सदरचे पाणी आरक्षण हे खालील दर्शविल्या प्रमाणे आहे.

Jsw स्टिल, लि. डोलवी, ता.पेण, जि. रायगड

संस्थेचे नाव	मुळ मंजूर पाणी मागणी (दलली)			
	औद्योगिक	घरगुती	गाडनिंग	एकूण
Jsw स्टिल, ग्रामीण पाणी पुरवठा	०.००	९.००	०.००	९.००

प्रस्तुत पाणी वापरासाठीचा दि.०१/०७/२०२१ ते दि.३०/०६/२०२७ या कालावधीचा सहा वर्षासाठी करारनामा करण्यात येत आहे. प्रस्तुत वरील संदर्भिय पत्र क्र.१ मधील व करारनाम्यातील शर्ती व अटीचे अनुपालन करणे आपले उदयोग संस्थेवर बंधनकारक आहे.

सोबत - मुळ करारनामा
छायांकित प्रत

(इंजि. राकेश स. चाकवाडे)

कार्यकारी अभियंता,
रायगड पाटबंधारे विभाग कोलाड

प्रत- उपविभागीय अभियंता, पाटबंधारे उपविभाग, माणगांव यांना माहितीसाठी व कार्यवाहीसाठी रवाना.

प्रत- विभागीय सिंचन शाखा यांना माहितीसाठी



महाराष्ट्र MAHARASHTRA

2018

AN 439711

मुद्राक विली मोडकी अनु. क्रमांक 2352 दिनांक 03/5/21

वस्तु का प्रकार ...

परमाणु उचित का ? ख / नाही

मुद्रा ... जेव्हा जेव्हा विली मोडकी

हस्ताक्षर ... शिवाजी राव

सही ...

मुद्रा ...

मुद्राक मुद्रा ...



Sub Treasury Office
Pen Raigad

15 APR 2021

AGREEMENT

(For Non - Irrigation water supply)

शी ...
मुद्रा ...
परमाणु क्र. 9996

AN AGREEMENT Made on made on Dt. for the period of 01/07/2021 to 30/06/2027 BETWEEN M/S JSW STEEL DOLVI, TALUKA PEN, DISTRICT RAIGAD (which expression shall, unless excluded by or it be repugnant to the context or meaning there of be deemed to include it successors and assigns) registered under the Indian Companies Act, 1913 (vii of 1913), and having its registered office at JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400 051 hereinafter referred to as "The Company" of the one part;



Executive Engineer
Raigad Irrigation Division
Kolad, Tal. Roha-Raigad

AND THE GOVERNOR OF MAHARASHTRA (hereinafter referred to as "The Government (which expression shall unless excluded by or it be repugnant to the context or meaning thereof, be deemed to include its successors and assigns) of the other part;

WHEREAS the company is desirous of constructing a pumping station on the company's land at **M/S JSW STEEL DOLVI, TALUKA PEN, DISTRICT RAIGAD** for drawing water from the source of **Amba River** (here in after referred to as "the said source") for the use by the Company's plant located in Dolvi (here in after referred to as "the said plant") and laying underground and surface pipes and drains for discharge of the factory effluent.

AND WHEREAS the Company has applied to the Government for permission to draw **9.00 million liters of water per day** from the said source AND whereas the company has paid Rs.Nil (Rupees Nil) to Government towards the proportional cost of capital outlay of the project.

AND WHEREAS the Government has agreed to grant the aforesaid permission to the company on the terms and conditions Vide Chief Engineer, Kokan Region Mumbai letter no Marathi Letter मुअ/जसंविकोप्र/८/जेएसडब्ल्यु-३२६/१०२२, दि.०९/०३/२०२१.

AND WHEREAS the Company has to deposit with the Executive Engineer Raigad Irrigation, Division Kolad a sum of **Rs.2,37,168/- (Rupees Two Lakh Thirty Seven Thousand One Hundred Sixty Eight only)** as security equivalent to two months company's probable annual water charges based on yearly sanctioned and as communicated in cash or in the form of ~~Demand Draft/Fix Deposit receipt or a~~ **bank guarantee** issued by a scheduled/nationalized bank having its main/branch office situated locally for the due observance and performance by the Company of the terms and conditions of this Agreement.

AND WHEREAS the company has accordingly, prior to the execution of these presents, deposited with the Government a sum **Rs.2,37,168/- (Rupees Two Lakh Thirty Seven Thousand One Hundred Sixty Eight only)** as security for the due observance and performance by the Company of the terms and conditions herein contained. AND WHEREAS it has been agreed that the said amount will not carry any interest if deposited in cash. (**Bank Guarantee Receipt No.1637621BG0000165, Dt.29/04/2021**)



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Executive Engineer
Raigad Irrigation Division
Kolad, Tal.Roha-Raigad

७.०० दललि/दिन
मे.अंबा रिव्हर कोक लि..
मौजे डोलवी, ता.पेण, जि.रायगड
करारनामा कालावधी
दि.०४/०२/२०२२ ते ०३/०२/२०२८



महाराष्ट्र MAHARASHTRA

2021

BE 342350

एक विक्री नोंदणी अनु. क्रमांक. 128 दिनांक 22/03/2022

दस्ताचा प्रकार... 0214

दस्त नोंदणी कारण आहेत का? होय/नाही

गिळ्यातली थोडक्यात वर्तन

दस्ताचिन्तित शक्यतेचा संव. 34 दि. 2 को. 2 लि. डोल्वी

दस्तो भरून घ्याव त्याचे दि. वि. 12/3/2022

रही

दस्ताचा पक्षकाराचे नांव

दस्ताचा रक्कम 500/-



Sub Treasury Office
Raigad Dist. Raigad

22 MAR 2022

दिनेश एम्. पाटील (गाडब)

स्वयं सहायक-पेन तालुका

परमाणु 11.9/9 96

राज्य शासनाच्या नावावर

AGREEMENT

(For Non - Irrigation water supply)

AN AGREEMENT Renewed on Dt. _____ for the
 period of _____ BETWEEN **M/S AMBA RIVER
 COCK LTD** (which expression shall, unless excluded by or it be repugnant
 to the context or meaning there of be deemed to include its successors and
 assigns) registered under the Indian Companies Act, 1913 (vii of 1913), and
 having its registered office at **The Enclave, 5th Floor, Behind Marathe
 Udyog Bhavan, New Prabhadevi Road, Prabhadevi, Mumbai-400 025** and
 Plant Office at **Dolvi, Taluka-Pen, Dist.Raigad Maharashtra State-402107**
 hereinafter referred to as "The Company" of the one part;



Executive Engineer
Raigad Irrigation Division
Kolad



महाराष्ट्र MAHARASHTRA

2021

BE 343091

मुद्रांक किती नोंदवही अनु क्रमांक 138/2 दिनांक 22.04.2022

वस्तुसो प्रकार काल

वस्तुसोपणो करणात आहेत का? होय / नाही

निष्ठासोचे थोडोचो वर्णन

मुद्रांक किती वस्तुसोचे नांव अंबा रिव्हर कोक लि. डोल्वी

हस्तो अस्थात त्यांचो नांव विठ्ठल भाऊके

सही

दस्ताव्या चकारण

मुद्रांक शुल्क रक्कम 500/-



Sub Treasury Office
Raigad

21 APR 2022

श्री. विनेश राम, पारितोषिक (गडच) मुद्रांक विभाग, पेना, दि. रायगड. तारवाना क्र. 1/1996

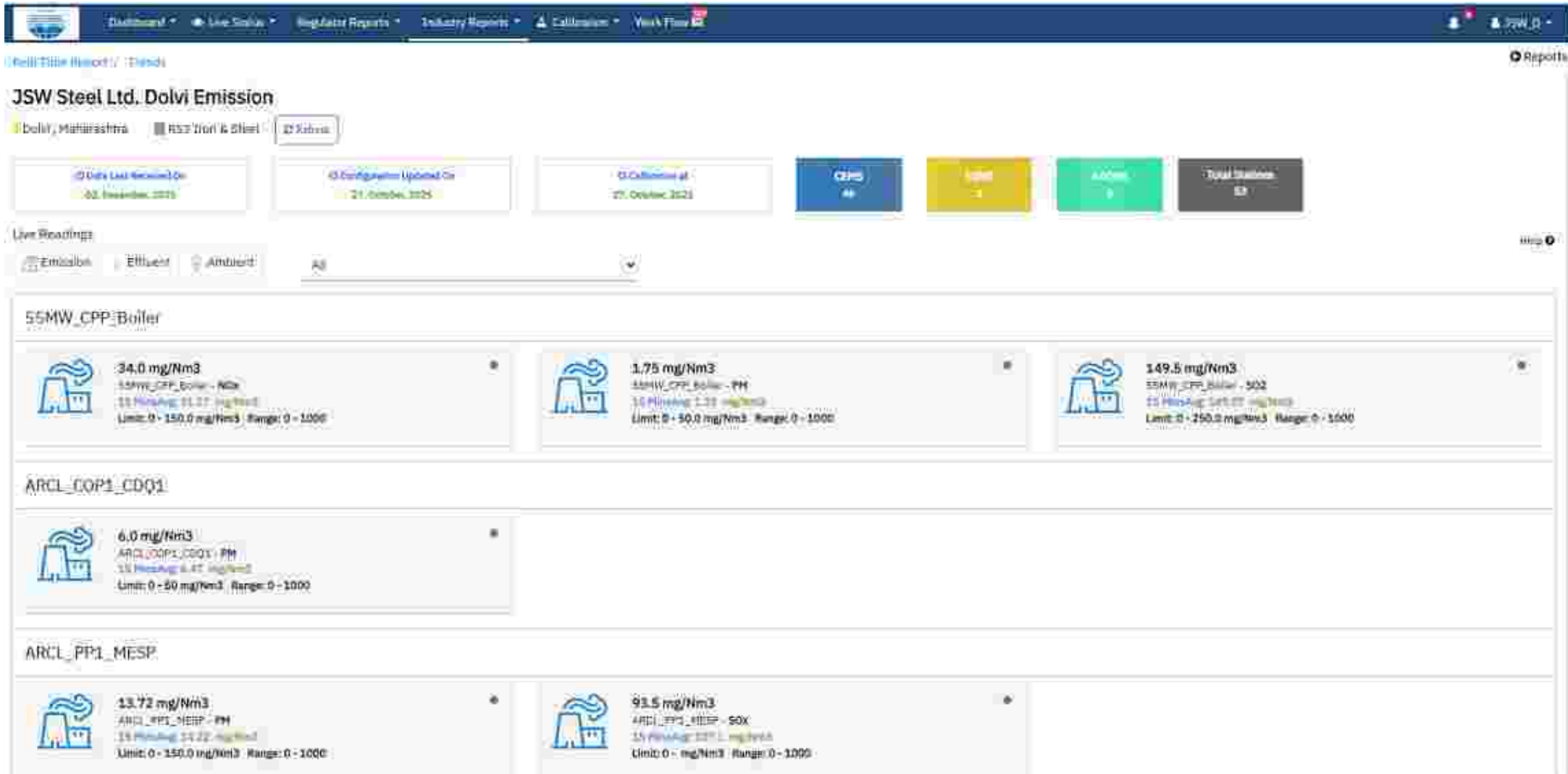
AND THE GOVERNOR OF MAHARASHTRA (hereinafter referred to as "The Government (which expression shall unless excluded by or it be repugnant to the context or meaning thereof, be deemed to include its successors and assigns) of the other part;

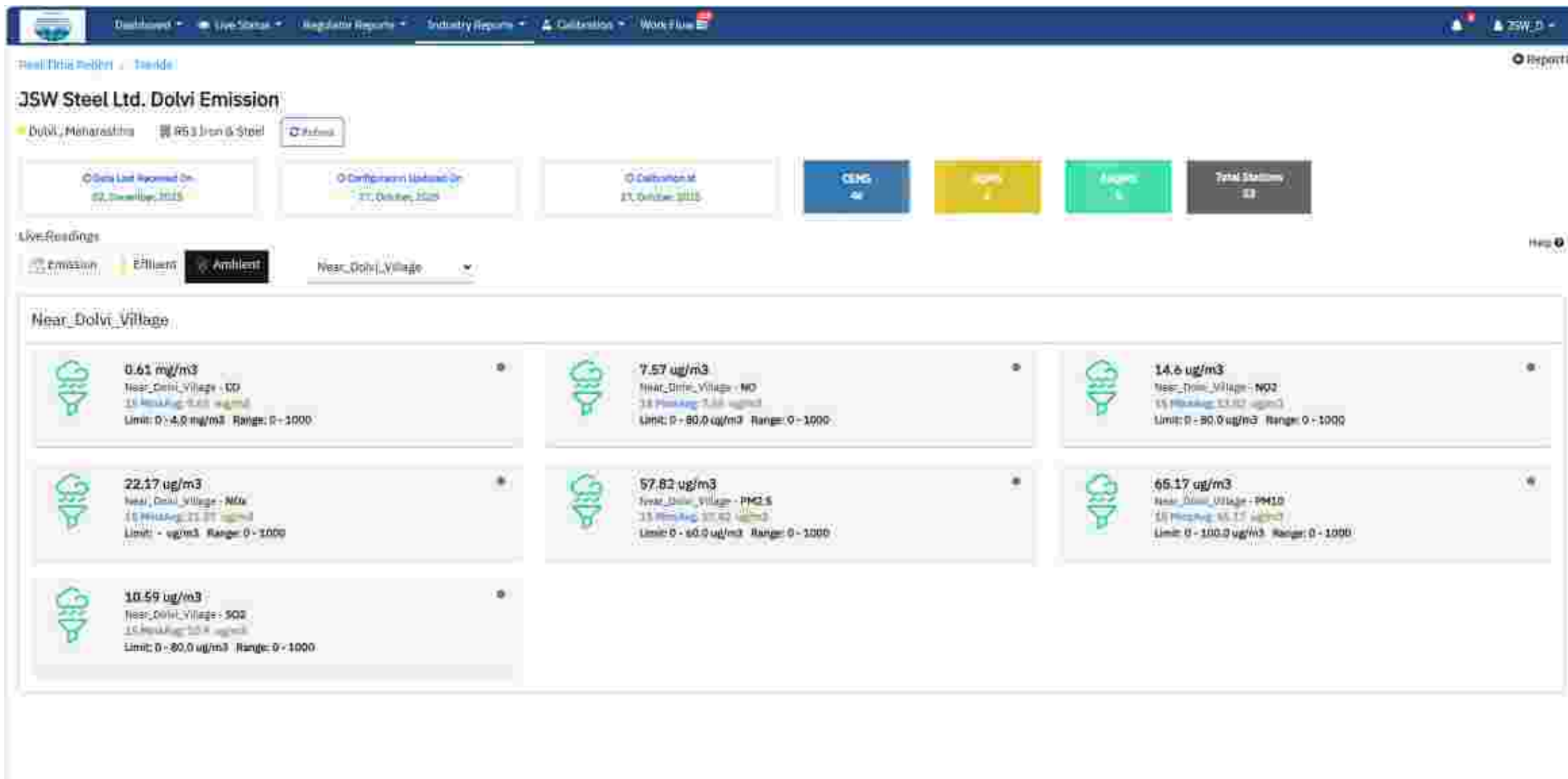
WHEREAS the company is desirous of constructing a pumping station on the company's land at **M/S AMBA RIVER COCK LTD** for drawing water from the source of **Amba River** (here in after referred to as "the said source") for the use by the Company's plant located in Dolvi (here in after referred to as "the said plant") and laying underground and surface pipes and drains for discharge of the factory effluent.

(Handwritten signature)



Executive Engineer,
Raigad Irrigation Division,
Kolad





ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.
(A venture of ULTRA TECH Environmental Consultancy)

Lab. Accredited by NABL-ISO/IEC 17025:2017,TC-14909 (Valid up to 17/11/2028)
Lab. recognized by CPCB,MoEF&CC [GOI] under EP(A)-1986
ISO 9001:2015 & ISO 45001:2018 Certified

Lab Operates at: Survey No. 83/A, Conformity Hissa No. 2, G.V Brothers Bldg., Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India.
Tel: 022-45119250, 022-45119238 / ☎ +91-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO: M/s. JSW STEEL LIMITED
DOLVI WORKS

Dharamtar Bridge, Village - Dolvi, Taluka- Pen, Raigad
District - Maharashtra - 402107

REPORT NO. : UT/ELS/REPORT/JSWD/001/04-2025
ISSUE DATE : 25/04/2025
YOUR REF. : VERBAL CONFIRMATION
REF. DATE : 24/02/2025

SAMPLE PARTICULARS

Sampling Plan Ref. No. : JSWD-03/2025
Sampling Procedure : IIT/LQMS/SOP/W01A
Sample Registration Date : 07/03/2025
Date & Time of Sampling : 06/03/2025 at 09:30 Hrs
Analysis Starting Date : 07/03/2025
Analysis Completion Date : 31/03/2025
Sample Lab Code : UT/ELS/JSWD/001/03-2025
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

WATER SAMPLE ANALYSIS

Sample Type : (GW-1) Ground Water
Sample : At Wadkhaj Village
Location :
Sample Quantity & Packing Details : Sterilized Bottle For Microbial parameter & 2L in Plastic Container for other parameters.

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Colour	APHA 24th Ed. 3120 C: 2023	BDL(DL=2)	Hzon
2.	Odour*	IS 3025 (Part 05) : 1983	Agreeable	-
3.	Taste*	IS 3025 (Part 07) : 2017	Agreeable	-
4.	Temperature	IS 3025 (Part 09) : 2023	27.1	°C
5.	Turbidity	IS 3025 (Part 10) : 2023	0.1	NTU
6.	pH	IS 3025 (Part 11) : 2022	7.6	-
7.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	142	mg/L
8.	Total Suspended Solids	IS 3025 (Part 17) : 2022	BDL(DL=7.5)	mg/L
9.	Aluminium as Al	APHA 24th Ed. 3500-Al B: 2023	0.08	mg/L
10.	Boron as B	APHA 24th Ed. 4500-B B: 2023	BDL(DL=0.1)	mg/L
11.	Calcium as Ca	IS 3025 (Part 40) : 2024, Clause 5	15	mg/L
12.	Chlorides as Cl	APHA 24th Ed. 2120 C: 2023	23	mg/L
13.	Copper as Cu	APHA 24th Ed. 3111 B: 2023	BDL(DL=0.03)	mg/L
14.	Fluoride as F	APHA 24th Ed. 4500-F B: 2023	0.5	mg/L
15.	Iron as Fe	IS 3025 (Part 53) : 2024, Clause 7	0.12	mg/L
16.	Magnesium as Mg	IS 3025 (Part 46) : 2023	10	mg/L
17.	Manganese as Mn	APHA 24th Ed. 3111 B: 2023	BDL(DL=0.03)	mg/L
18.	Nitrates as NO ₃ -N	IS 3025 (Part 34/Sec 11) : Clause 6.4: 2023	BDL(DL=0.1)	mg/L
19.	Sulphates as SO ₄ ²⁻	AAPHA 24th Ed. 4500-SO42- B: 2023	BDL(DL=5)	mg/L
20.	Total Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	77	mg/L
21.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009	82	mg/L
22.	Zinc as Zn	IS 3025 (Part 49) : 2024, Clause 5.0	BDL(DL=0.02)	mg/L
23.	Cyanide as CN	APHA 24th Ed. 4500-CN C: 2023	BDL(DL=0.02)	mg/L
24.	Cadmium as Cd	IS 3025 (Part 41) : 2023, Clause 6	BDL(DL=0.015)	mg/L
25.	Lead as Pb	IS 3025 (Part 47) : 2024, Clause 6	BDL(DL=0.06)	mg/L
26.	Mercury as Hg	APHA 24th Ed. 3112 B: 2023	BDL(DL=0.006)	mg/L
27.	Nickel as Ni	IS 3025 (Part 54) : 2023, Clause 7	BDL(DL=0.6)	mg/L
28.	Arsenic as As	APHA 24th Ed. 3114 C: 2023	BDL(DL=0.003)	mg/L
29.	Chromium as Cr	IS 3025 (Part 52) : 2023, Clause 7	BDL(DL=0.02)	mg/L

DL - Detection Limit

BDL - Below Detection Limit

Remark / Statement of Conformity: N/A

Note:
1. Samples were collected using laboratory's SOP (IIT/LQMS/SOP/W01A) based on CPCB's Guide Manual, Water & Wastewater Analysis, APHA 24th Edition and IS 3025 (Part 1).
2. This test report refers only to the sample tested.
3. This test report may not be reproduced in part, without the permission of this laboratory.
4. Any correction (s) will dates this test report.
5. * Parameters are suit covered under NABL scope.

- END OF REPORT -



Authorized By:

Shailesh Salvi
(Authorized Signatory)

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EST: 27AADCU4859H120

CIN NO: U74900MH2023PTC49102

LIT - 011655



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Tel: 022-4519250, 022-4519239 / ☎ +91-7039078680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO: M/s. JSW STEEL LIMITED
DOLVI WORKS

Dharamtar Bridge, Village - Dolvi, Taluka- Pen, Raigad
District -Maharashtra- 402107

REPORT NO. : UT/ELS/REPORT/JSWD/002/04-2025

ISSUE DATE. : 25/04/2025

YOUR REF. : VERBAL CONFIRMATION

REF. DATE. : 24/02/2025

SAMPLE PARTICULARS

Sampling Plan Ref. No. : JSWD-03/2025
Sampling Procedure : UT/LQMS/SOP/W01A
Sample Registration Date : 07/03/2025
Date & Time of Sampling : 06/03/2025 at 10:40 Hrs.
Analysis Starting Date : 07/03/2025
Analysis Completion Date : 31/03/2025
Sample Lab Code : UT/ELS/JSWD/002/03-2025
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

WATER SAMPLE ANALYSIS

Sample Type : (GW-2) Ground Water
Sample : At Kolghar Village
Location :
Sample : Sterilized Bottle For Microbial
Quantity & Packing Details : parameter & 2L in Plastic Container for other parameters.

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Colour	APHA 24th Ed. 2120 C-2023	NDL[DL-2]	Haum
2.	Odour*	IS 3025 (Part 03)-1983	Agreeable	-
3.	Taste*	IS 3025 (Part 07)-2017	Agreeable	-
4.	Temperature	IS 3025 (Part 9)-2023	27.1	°C
5.	Turbidity	IS 3025 (Part 10)-2023	0.35	NTU
6.	pH	IS 3025 (Part 11)-2022	7.8	-
7.	Total Dissolved Solids	IS 3025 (Part 16)-2023	288	mg/L
8.	Total Suspended Solids	IS 3025 (Part 17)-2022	NDL[DL-2.5]	mg/L
9.	Aluminum as Al	APHA 24th Ed. 3500- Al B-2023	0.05	mg/L
10.	Boron as B	APHA 24th Ed. 4500- B B-2023	0.2	mg/L
11.	Calcium as Ca	IS 3025 (Part 40)-2024; Clause 5	35	mg/L
12.	Chlorides as Cl	APHA 24th Ed. 2120 C-2023	28	mg/L
13.	Copper as Cu	APHA 24th Ed. 3111 B-2023	NDL[DL-0.03]	mg/L
14.	Fluoride as F	APHA 24th Ed. 4500- F- B.D-2023	0.38	mg/L
15.	Iron as Fe	IS 3025 (Part 33)-2024; Clause 7	0.3	mg/L
16.	Magnesium as Mg	IS 3025 (Part 46)-2023	15.1	mg/L
17.	Manganese as Mn	APHA 24th Ed. 3111 B-2023	0.04	mg/L
18.	Nitrates as NO ₃ -N	IS 3025 (Part 34/Sec 1); Clause 6.4-2023	NDL[DL-0.1]	mg/L
19.	Sulphates as SO ₄ ²⁻	AAPHA 24th Ed. 4500- SO42- B-2023	NDL[DL-5]	mg/L
20.	Total Alkalinity as CaCO ₃	IS 3025 (Part 23)-2023	178	mg/L
21.	Total Hardness as CaCO ₃	IS 3025 (Part 21)-2009	149	mg/L
22.	Zinc as Zn	IS 3025 (Part 49)-2024; Clause 5.8	NDL[DL-0.02]	mg/L
23.	Cyanide as CN	APHA 24th Ed. 4500- CN-C, I-2023	NDL[DL-0.02]	mg/L
24.	Cadmium as Cd	IS 3025 (Part 41)-2023; Clause 6	NDL[DL-0.015]	mg/L
25.	Lead as Pb	IS 3025 (Part 47)-2024; Clause 6	NDL[DL-0.01]	mg/L
26.	Mercury as Hg	APHA 24th Ed. 3112 B-2023	NDL[DL-0.006]	mg/L
27.	Nickel as Ni	IS 3025 (Part 54)-2003; Clause 7	NDL[DL-0.6]	mg/L
28.	Arsenic as As	APHA 24th Ed. 3114 C-2023	NDL[DL-0.003]	mg/L
29.	Chromium as Cr	IS 3025 (Part 52)-2003; Clause 7	NDL[DL-0.02]	mg/L

DL - Detection Limit

NDL - Below Detection Limit

Remark/ Statement of Conformity: Nil

- Note:**
1. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual, Water & Wastewater Analysis, APHA 24th Edition and IS 3025 (Part 1).
 2. This test report refers only to the sample tested.
 3. This test report may not be reproduced in part, without the permission of this laboratory.
 4. Any correction invalidates this test report.
 5. * Parameters are not covered under NABL Scope.

- END OF REPORT -

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Shailesh Salvi
(Authorized Signatory)

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GST: 27AADCU4659H120

GIN NO: U74600MH2023PTC415102

UT-011654

ULTRA TECH

ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.
(A Venture of ULTRA TECH Environmental Consultancy)

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Tel: 022-45119250, 022-45119239 / ☎ +91-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO: M/s. JSW STEEL LIMITED
DOLVI WORKS

Dharamtar Bridge, Village - Dolvi, Taluka - Pen, Raigad
District - Maharashtra - 402107

REPORT NO. : UT/ELS/REPORT/JSWD/003/04-2025
ISSUE DATE : 25/04/2025
YOUR REF. : VERBAL CONFIRMATION
REF. DATE : 24/02/2025

SAMPLE PARTICULARS

Sampling Plan Ref. No. : JSWD-03/2025
Sampling Procedure : UT/LQMS/SOP/W01A
Sample Registration Date : 07/03/2025
Date & Time of Sampling : 06/03/2025 at 11:30 Hrs.
Analysis Starting Date : 07/03/2025
Analysis Completion Date : 31/03/2025
Sample Lab Code : UT/ELS/JSWD/003/03-2025
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

WATER SAMPLE ANALYSIS

Sample Type : (GW-3) Ground Water
Sample : Near Kasur S
Location :
Sample Quantity & Packing Details : Sterilized Bottle For Microbial parameter & 2L in Plastic Container for other parameters.

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Colour	APHA 24th Ed. 2120 C: 2023	BDL [DL=2]	Haizen
2.	Odour*	IS 3025 (Part 05): 1983	Agreeable	-
3.	Taste*	IS 3025 (Part 07): 2017	Agreeable	-
4.	Temperature	IS 3025 (Part 9): 2023	27.4	°C
5.	Turbidity	IS 3025 (Part 10): 2023	0.15	NTU
6.	pH	IS 3025 (Part 11): 2023	7.3	-
7.	Total Dissolved Solids	IS 3025 (Part 16): 2023	343	mg/L
8.	Total Suspended Solids	IS 3025 (Part 17): 2022	BDL [DL=25]	mg/L
9.	Aluminium as Al	APHA 24th Ed. 3500- AlB: 2023	BDL [DL=0.04]	mg/L
10.	Boron as B	APHA 24th Ed. 4500- B B: 2023	0.1	mg/L
11.	Calcium as Ca	IS 3025 (Part 40): 2024, Clause 5	50	mg/l
12.	Chlorides as Cl	APHA 24th Ed. 2130 C: 2023	25	mg/l
13.	Copper as Cu	APHA 24th Ed. 3111 B: 2023	BDL [DL=0.03]	mg/L
14.	Fluoride as F	APHA 24th Ed. 4500- F- B: 2023	0.47	mg/l
15.	Iron as Fe	IS 3025 (Part 53): 2024, Clause 7	0.07	mg/L
16.	Magnesium as Mg	IS 3025 (Part 46): 2023	13	mg/L
17.	Manganese as Mn	APHA 24th Ed. 3111 B: 2023	0.13	mg/L
18.	Nitrates as NO ₃ -N	IS 3025 (Part 34/Sec. 1, Clause 6.4): 2023	BDL [DL=0.1]	mg/L
19.	Sulphates as SO ₄ ²⁻	APHA 24th Ed. 4500- SO42- E: 2023	10	mg/L
20.	Total Alkalinity as CaCO ₃	IS 3025 (Part 23): 2023	192	mg/L
21.	Total Hardness as CaCO ₃	IS 3025 (Part 21): 2009	178	mg/L
22.	Zinc as Zn	IS 3025 (Part 49): 2024, Clause 3.0	BDL [DL=0.02]	mg/L
23.	Cyanide as CN	APHA 24th Ed. 4500- CN-C, E: 2023	BDL [DL=0.02]	mg/l
24.	Cadmium as Cd	IS 3025 (Part 41): 2023, Clause 6	BDL [DL=0.015]	mg/L
25.	Lead as Pb	IS 3025 (Part 17): 2024, Clause 6	BDL [DL=0.6]	mg/L
26.	Mercury as Hg	APHA 24th Ed. 3112 B: 2023	BDL [DL=0.006]	mg/l
27.	Nickel as Ni	IS 3025 (Part 54): 2003, Clause 7	BDL [DL=0.6]	mg/l
28.	Arsenic as As	APHA 24th Ed. 3114 C: 2023	BDL [DL=0.003]	mg/L
29.	Chromium as Cr	IS 3025 (Part 52): 2003, Clause 7	BDL [DL=0.02]	mg/L

DL - Detection Limit

BDL - Below Detection Limit

Remark/ Statement of Conformity: Nil

Note: 1. Sample was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis. APHA 24th Edition and IS 3025 (Part 31).
2. This test report refers only to the sample tested.
3. This test report may not be reproduced in part, without the permission of this laboratory.
4. Any correction invalidates this test report.
5. * Parameters are not covered under NABL scope.

- END OF REPORT -



Authorized By:

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GST: 27AADCU4059H120

CIN NO: U74900MH2023PTC415102

UT-011693

TEST REPORT

ISSUED TO: M/s. JSW STEEL LIMITED
DOLVI WORKS

Dharamtar Bridge, Village - Dolvi, Taluka - Pen, Raigad
District - Maharashtra - 402107

REPORT NO.: : UT/ELS/REPORT/JSWD/004/04-2025

ISSUE DATE: : 25/04/2025

YOUR REF.: : VERBAL CONFIRMATION

REF. DATE: : 24/02/2025

SAMPLE PARTICULARS

Sampling Plan Ref. No. : JSWD-03/2025
Sampling Procedure : UT/LQMS/SOP/W01A
Sample Registration Date : 07/03/2025
Date & Time of Sampling : 06/03/2025 at 13:20 Hrs
Analysis Starting Date : 07/03/2025
Analysis Completion Date : 31/03/2025
Sample Lab Code : UT/ELS/JSWD/004/03-2025
Sample Collected By : ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

WATER SAMPLE ANALYSIS

Sample Type : (GW-4) Ground Water
Sample : At Shahiba
Location :
Sample : Sterilized Bottle For Microbial
Quantity & Packing Details : parameter & 2l. in Plastic Container for other parameters.

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Colour	APHA 24th Ed. 2120 C-2023	BDL [DL=2]	Hazen
2.	Odour*	IS 3025 (Part 05) - 1993	Agreeable	-
3.	Taste*	IS 3025 (Part 07) - 2017	Agreeable	-
4.	Temperature	IS 3025 (Part 9) - 2023	27.5	°C
5.	Turbidity	IS 3025 (Part 10) - 2023	0.23	NTU
6.	pH	IS 3025 (Part 11) - 2022	7.4	-
7.	Total Dissolved Solids	IS 3025 (Part 16) - 2023	293	mg/L
8.	Total Suspended Solids	IS 3025 (Part 17) - 2022	BDL [DL=2.5]	mg/L
9.	Aluminum as Al	APHA 24th Ed. 3500- Al B - 2023	0.2	mg/L
10.	Boron as B	APHA 24th Ed. 4500- B B - 2023	0.32	mg/L
11.	Calcium as Ca	IS 3025 (Part 40) - 2024; Clause 5	31	mg/L
12.	Chlorides as Cl	APHA 24th Ed. 2120 C - 2023	28	mg/L
13.	Copper as Cu	APHA 24th Ed. 3111 B - 2023	BDL [DL=0.01]	mg/L
14.	Fluoride as F	APHA 24th Ed. 4500- F - B.D - 2023	0.5	mg/L
15.	Iron as Fe	IS 3025 (Part 53) - 2024; Clause 7	0.1	mg/L
16.	Magnesium as Mg	IS 3025 (Part 40) - 2023	15	mg/L
17.	Manganese as Mn	APHA 24th Ed. 3111 B - 2023	BDL [DL=0.03]	mg/L
18.	Nitrates as NO ₃ -N	IS 3025 (Part 34/Sec. 11/Clause 6.4 - 2023	1.4	mg/L
19.	Sulphates as SO ₄ ²⁻	APHA 24th Ed. 4500- SO ₄ ²⁻ B - 2023	16	mg/L
20.	Total Alkalinity as CaCO ₃	IS 3025 (Part 21) - 2023	154	mg/L
21.	Total Hardness as CaCO ₃	IS 3025 (Part 21) - 2023	139	mg/L
22.	Zinc as Zn	IS 3025 (Part 49) - 2024; Clause 5.0	BDL [DL=0.02]	mg/L
23.	Cyanide as CN	APHA 24th Ed. 4500- CN-C, E - 2023	BDL [DL=0.02]	mg/L
24.	Cadmium as Cd	IS 3025 (Part 41) - 2023; Clause 6	BDL [DL=0.015]	mg/L
25.	Lead as Pb	IS 3025 (Part 47) - 2024; Clause 6	BDL [DL=0.01]	mg/L
26.	Mercury as Hg	APHA 24th Ed. 3112 B - 2023	BDL [DL=0.006]	mg/L
27.	Nickel as Ni	IS 3025 (Part 54) - 2023; Clause 7	BDL [DL=0.01]	mg/L
28.	Arsenic as As	APHA 24th Ed. 3114 C - 2023	BDL [DL=0.003]	mg/L
29.	Chloride as Cl	IS 3025 (Part 52) - 2023; Clause 7	BDL [DL=0.02]	mg/L

DL - Detection Limit

BDL - Below Detection Limit

Remark/ Statement of Conformity: N/A

- Note:
1. Samples was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual: Water & Wastewater Analysis, APHA 24th Edition and IS 3025 (Part 1)
 2. This test report refers only to the sample tested.
 3. This test report may not be reproduced in part/without the permission of this laboratory.
 4. Any correction invalidates this test report.
 5. * Parameters are not covered under NABL Scope.

- END OF REPORT -

Authorized By:

Shallesh Salvi
(Authorized Signatory)



ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT LTD

(A venture of ULTRA TECH Environmental Consultancy)

Lab. Accredited by NABL-ISO/IEC 17025:2017, TC-14909 (Valid up to 17/11/2028)

Lab. recognized by CPCB, MoEF&CC (GOI) under EP(A)-1986

ISO 9001:2015 & ISO 45001:2018 Certified

Lab Operates at : Survey No. 93/A, Conformity Hissa No. 2, G V Brothers Bldg, Beta Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India
Tel: 022-45110250, 022-45110239 / 091-7039076680 Email: lab@ultratech.in

TEST REPORT

ISSUED TO: M/s. JSW STEEL LIMITED
DOLVI WORKS

Dharamtar Bridge, Village-Dolvi, Taluka- Pen, Raigad
District -Maharashtra- 402107

REPORT NO.: UT/ELS/REPORT/JSWD/005/04-2025
ISSUE DATE.: 25/04/2025
YOUR REF.: VERBAL CONFIRMATION
REF. DATE.: 24/02/2025

SAMPLE PARTICULARS

Sampling Plan Ref. No.: JSWD-03/2025
Sampling Procedure: UT/LQMS/SOP/W01A
Sample Registration Date: 07/03/2025
Date & Time of Sampling: 06/03/2025 at 15:35 Hrs.
Analysis Starting Date: 07/03/2025
Analysis Completion Date: 31/03/2025
Sample Lab Code: UT/ELS/JSWD/005/03-2025
Sample Collected By: ULTRA TECH ENVIRONMENTAL CONSULTANCY AND LABORATORY PVT. LTD.

WATER SAMPLE ANALYSIS

Sample Type: (GW-5) Ground Water
Sample: At Pen Village
Location:
Sample: Sterilized Bottle For Microbia
Quantity & Packing Details: parameter& 2L in Plastic Container for other parameters.

Table with 5 columns: Sr. No., Test Parameter, Test Method, Test Result, Unit. Rows include parameters like Colour, Odour, Taste, Temperature, Turbidity, pH, Total Dissolved Solids, etc.

DL - Detection Limit

BDL - Below Detection Limit

Remark/ Statement of Conformity: Nil

- Note: 1. Samples were collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's Guide Manual, Water & Wastewater Analysis, APHA 24th Edition and IS:3025 (Part 1)
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- END OF REPORT -



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GST: 27AAOCL4650H170

CIN NO: U74900MH2023PTC415102

UT -011651



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TEST REPORT

ISSUED TO: M/s. JSW STEEL LIMITED DOLVI WORKS

Dharamtar Bridge, Village - Dolvi, Taluka- Pen, Raigad District - Maharashtra- 402107

REPORT NO. : UT/ELS/REPORT/ISWD/006/04-2025
ISSUE DATE : 25/04/2025
YOUR REF. : VERBAL CONFIRMATION
REF. DATE : 24/02/2025

SAMPLE PARTICULARS: Sampling Plan Ref. No., Sampling Procedure, Sample Registration Date, Date & Time of Sampling, Analysis Starting Date, Analysis Completion Date, Sample Lab Code, Sample Collected By

WATER SAMPLE ANALYSIS: Sample Type, Sample Location, Sample Quantity & Packing Details

Table with 5 columns: Sr. No., Test Parameter, Test Method, Test Result, Unit. Lists 29 parameters including Colour, Odour, Taste, Temperature, Turbidity, pH, Total Dissolved Solids, etc.

DL - Detection Limit

BDL - Below Detection Limit

Remark/ Statement of Conformity: N/A

- Note: 1. Samples was collected using laboratory's SOP (UT/LQMS/SOP/W01A) based on CPCB's guide Manual Water & Wastewater Analysis, APHA 247 Edition and IS 3025 (Part 1)
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5. * Parameters are not covered under NABL Scope

- END OF REPORT -



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GST: 27AA00CUA659H1Z0 DIN No: U74900MH2023PTC415102

UT-Q11650

Environment Policy

JSW Steel recognizes nurturing the environment as its prime responsibility for long-term sustainability in and around its areas of operation.

We are committed to:

- Addressing the issue of climate change through efficient use of natural resources, minimization of wastes and developing new grades of Steel with low environmental impact.
- Continual evaluation of environmental impact of its operations and adoption of appropriate technologies and practices to mitigate adverse effects.
- Effective implementation of Environmental Management System for continual improvement.
- Deploying necessary resources to comply with applicable environmental laws, regulations and agreements.
- Enhancing awareness, skills and competencies amongst its employees, associates, suppliers and community to create an eco-friendly society.
- Environmental conservation initiatives and preservation of bio-diversity around the areas of our operation.

Date: 11th November 2022



Ashish Chandra

President (Dolvi, Salav & Anjar)

 **Steel Limited, Dolvi Works**