

Dolvi Works:
Geetapuram,
Dolvi, Taluka - Pen,
Dist. Raigad - 402 107. Maharashtra, India.
CIN : L27102MH1994PLC152925
Phone : +91 2143 663000/3100/3200
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Website : www.jsw.in

November 28, 2023

JSWSL/ENV/MoEFCC/2023

To

The Regional Officer,
Ministry of Environment, Forest and Climate Change,
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur-440001

Sub: Six monthly compliance report of CRZ Clearance for Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra.

Ref: CRZ Clearance for Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd vide MOEFCC Letter F. No. 11-7/2023-IA. III dated 5th April 2023.

Dear Sir,

With reference to above, please find enclosed herewith Six monthly compliance report of CRZ Clearance for Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd at Dolvi, Tehsil Pen, District Raigad, Maharashtra.

Submitted for kind information & record please.

Thanking you,

Yours faithfully,
For JSW Steel Limited



Dr. Anand Rai
Vice President (Head - Environment)

CC: 1) The Director, MoEF&CC, CRZ Section, Indira Paryavaran Bhawan, Jor Bagh, Lodi Road, New Delhi-110003.

2) The Zonal officer, CPCB, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara-390 023, Gujarat.

3) The Regional Officer, MPCB, Raigad, Raigad Bhavan, CBD Belapur, ~~Navi Mumbai~~ Centre, Bandra Kurla Complex, Bandra (East), Mumbai - 400 051.
Phone : +91 22 4286 1000
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COMPLIANCE CONDITIONS OF F. No. 11-7/2023-IA. III

Government of India

Ministry of Environment, Forest and Climate Change IA-III Section (CRZ).

Sub: Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd. - CRZ Clearance - regarding.

Ref: CRZ Clearance for Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd vide letter F. No. 11-7/2023-IA. III dated 5th April 2023.

Sr. No.	CRZ CLEARANCE CONDITIONS	COMPLIANCE STATUS
1	This has reference to your proposal No. IA/MH/CRZ/288138/2022 dated 5 th January, 2023 on the above mentioned project proposal for CRZ Clearance, in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 issued under the Environment (Protection) Act, 1986.	Noted
2	The Ministry of Environment, Forest and Climate Change has examined the proposal for CRZ Clearance to the project for Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd. into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd.	Noted
3	The proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects, in its meetings held on 17 th January, 2023 and 7 th February, 2023. The project proponent and their consultant made detailed presentation and informed as under :	Noted
i	The project located in Village Dolvi, Raigad at Latitude : 18° 42' 16.30" N and Longitude : 73° 01' 41.40" E. and activity located in CRZ IV(B) area.	Noted and Complied

ii	Length of pipeline from shore to outfall point is 118m. Width of excavation for pipe laying is 2.5m. Therefore, area of proposed activity is 295 Sq.m.	Complied
iii	M/s JSW Steel Ltd. has proposed to discharge treated effluent into Amba estuary in compliance to the specific condition no. iv of the environmental clearance amendment accorded by MoEFCC vide F. No. J-11011/76/2013-IA. II (I) dated 16th June 2020.	Noted. EC has been granted to 10 MTPA Steel Plant for discharge of excess treated effluent .
iv	The specific condition no. iv in the aforesaid amendment clearance states that "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."	Zero liquid discharge (ZLD) project is being implemented with the implementation of complete project. Part of capacity in Sinter Plant, CRM complex etc are yet to be commissioned. ZLD shall be implemented with commissioning of all the facilities of EC for 100% utilization of treated effluent.
v	M/s JSW Dolvi executing expansion of its steelmaking capacity from 5 MTPA to 10 MTPA for which environmental clearance has been accorded by MoEFCC vide letter no. J-11011/76/2013-IA II (I) dated 25th August 2015. Some facilities of the expansion program have been commissioned.	Agreed and complied.
vi	Currently, the effluents generated from operating facilities are treated in individual effluent treatment plants and used in Coke and slag quenching. However, with commissioning of facilities like Coke Dry Quenching, gas based boilers and power plants surplus treated water about 615 m3/h will be generated after commissioning of all facilities by December 2025.	Complied. Presently, surplus treated water of 420 m3/hr (average) is generated against the permitted quantity of 615 m3/hr as 100% project commissioning is not done.
vii	A comprehensive ZLD unit with RO systems and evaporators will be installed and commissioned by December 2025. The ZLD system will thus be functional by December 2025, ensuring 100% reuse of wastewater and zero liquid discharge.	Action plan for implementation of ZLD is in progress, the ZLD shall be functional by Dec 2025.
viii	Maximum plume dispersion is expected to 310 m in worst case scenario (considering 1057m3/h) as per the effluent dispersion modelling study carried out by	As submitted above, only 420 m3/hr surplus treated water is being discharged.

	NIO.	
ix	Fishing areas for the local fishermen are about 1000 m away from the proposed discharge location	Noted. There is no fishing point/area within 1000 m from discharge point.
x	Based on marine studies it is recommended that the treated effluents of 1057 m ³ /h having density 1001 kg/m ³ generated by the M/s JSW steel plant, Dolvi, may be released at Lat : 18° 42' 16.30" N; Long : 73° 01' 41.40" E through four port diffuser.	Complied. The discharge pipeline is laid from Steel plant premises till discharge point at Lat : 18° 42' 16.30" N; Long : 73° 01' 41.40" E through four port diffuser.
xi	The diffuser specifications are recommended as follows: Inner diameter of ports = 0.1766 m, No of ports = 4, Port elevation from sea bed = 0.5 m, Angle of port = 15°, Minimum distance between ports = 4.0 m, Jet Velocity = 3.0 m/s.	Complied.
xii	Treated effluents will be collected in the sump which will be located at south side of the plant boundary and will be pumped to Amba Estuary. The total maximum discharge water considered for study is 1,057m ³ /h. However, the planning for actual discharge is 615 m ³ /h. Type of pump - Vertical Centrifugal Pumps.	Complied. Treated effluent is collected in the sump and pumped to Amba estuary. Photograph of sump, pumping system with flow meter is enclosed as Annexure 1 Discharge of treated effluent to estuary is 420 m ³ /hr against permitted quantity of 615 m ³ /hr.
xiii	Discharge - Cross country pipeline laid along the existing conveyor feeding raw material to steel plant from M/s JSW Dharamtar Port. Final discharge location of treated waste water as per the location decided by NIO through waste water dispersion modelling study. Online effluent analyser provided and connected to MPCB & CPCB.	Cross country pipeline laid as per the permission and discharge point is as per NOC issued. Online effluent analyser provided for parameters pH, COD, BOD, TSS, TDS and Flow. Manual monitoring is done for the parameters Temperature, pH, TSS, O&G, COD, BOD, Ammonical Nitrogen, Cyanide and TDS. Latest analysis report of treated effluent from marine discharge pit is enclosed as Annexure - 2
xiv	A comprehensive marine quality monitoring program shall include monitoring parameters of Water quality,	A comprehensive marine quality monitoring has been carried out by

	Sediment quality and Flora & Fauna.	National Institute of Oceanography (NIO). Study has been conducted for one year covering all seasons from Dec 2022. Final report is under preparation by NIO.
xv	Approximately 10 KLD water will be required for drinking and construction purpose which will be sourced from existing water supply system. The JSW Steel Ltd has water supply approved from Irrigation Department of Government of Maharashtra.	Complied. Drinking water for this project is sourced from existing water supply system of JSW Steel Ltd.
xvi	Approximately 6 kg/day of domestic solid waste is estimated to be generated from labour. The solid waste will be disposed to authorized recycler.	Domestic solid waste generated from labour is handled as per SWM Rules 2016.
xvii	Treated effluents will be collected in the sump which will be located at south side of the plant boundary and will be pumped to Amba Estuary. The total maximum discharge water considered for study is 1,057m ³ /h. However the planning for actual discharge is 615 m ³ /h.	Complied. Treated effluent is collected in the sump and pumped to Amba estuary. Photograph of sump, pumping system with flow meter is enclosed as Annexure- Discharge of treated effluent to estuary is 420 m ³ /hr against permitted quantity of 615 m ³ /hr.
xviii	M/s JSW steel, Dolvi has been carrying out Mangrove plantation since 2016 by involving local women community. In 2016-2017 it has planted 105000 plants; in 2017-2018 it has planted 3,00,000 plants. In 2018-2019 around 3,00,000 mangroves plantation is planned and in 2019-2020 it will plant another 3,00,000 mangroves.	Complied Mangrove plantation from April 2016 to September 2023 around 410 Hectares and total plantation is 19,12,377 Nos by involving local women community.

xix	Monitoring location Station no. Geographic Co-ordinates.			Complied with the coordinates and monitoring done by NIO for one year, the samples are collected for all seasons and comprehensive marine quality report is being prepared.
	Monitoring location	Station No.	Geographic Co-ordinates	
	Amba Estuary mouth	1	18° 49' 59.16"N; 72° 56' 39.48"E	
	Patalganga estuary mouth	2	18° 48' 40.26"N; 72° 58' 29.94"E	
	Ganeshpuri	3	18° 46' 09.42"N; 72° 59' 35.34"E	
	RIL DP	4	18° 45' 08.58"N; 72° 59' 06.48"E	
	Dharamtar port	5	18° 42' 10.44"N; 73° 01' 42.60"E	
	Upper estuary	6	18° 36' 10.20"N; 73° 05' 08.82"E	
	Upper estuary	7	18° 32' 44.28"N; 73° 07' 46.26"E	
	Kasumata devi mandir	TS	18° 41' 43.00"N; 73° 01' 39.50"E	
xx	About 25 of employment likely to be generated by the project and estimated cost of the project is Rs 22.3 Crores.			Complied
xxi	The Maharashtra Coastal Zone Management Authority intimated that the route of pipeline falls largely in the CRZ III area, the pipeline falls at the river end in CRZ IB, CRZ IVB area and activity is a permissible as per CRZ Notification 2011. The Maharashtra Coastal Zone Management Authority has recommended the proposal for CRZ clearance vide its Letter No. CRZ 2020/CR86/TC4 dated 22/06/2022.			Noted and complied

4	<p>The Committee made detailed deliberation on the proposal. The Committee noted that the proposed discharge of treated effluent and the discharge system shall be discontinued post commissioning of ZLD system by 2025. The Committee also noted that the MCZMA recommended and intimated that the route of pipeline falls largely in the CRZ III area, the pipeline falls at the river end in CRZ IB, CRZ IVB area and activity is a permissible as per CRZ Notification 2011. The PP shall ensure that the treated effluent discharge into sea / marine outfalls as per the prescribed standards of by CPCB / SPCB. The Committee further also advised to PP forward immediately by e-mail to all EAC Members about the detail of the untreated and treated effluent quality of various parameters for the present effluent stream from the plant. The same has been submitted by PP vide e-mail / letter No. Nil, dated 07/02/2023 and same also circulated to all EAC members including MoEFCC and also accepted by EAC while approving the minutes.</p> <p>The Committee after detailed deliberations and considering the submissions made by the project proponent recommended the proposal for CRZ Clearance, subject to certain terms and conditions.</p>	<p>Noted</p> <p>Latest analysis report of treated effluent from marine discharge pit is enclosed as Annexure 2</p>
5	<p>Based on the recommendation of the Maharashtra Coastal Zone Management Authority and considering the submissions made by the project proponent, the Ministry of Environment, Forest and Climate Change, in acceptance of the recommendations of the Expert Appraisal Committee (CRZ), hereby accords CRZ Clearance to the project for Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd., under the provisions of the CRZ Notification, 2019 and amendments thereto, subject to the compliance of terms and conditions as under :-</p>	<p>Noted</p>
	<p>PART A - SPECIFIC CONDITIONS :</p>	

i)	All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.	Noted and Complied
ii)	The proposed discharge of treated effluent and the discharge system shall be discontinued post commissioning of ZLD system by the end of year 2025 and dismantling the pipeline and all the associated infrastructure.	Shall be complied within permitted timeline.
iii)	The monitoring plan should be prepared for the automated water quality after discharge of treated water into Amba estuary and six monthly monitoring reports should be submitted to Regional Office of MoEFCC.	On line monitoring system installed for parameters pH, COD, BOD, TSS, TDS and Flow Meter. Manual monitoring is done for the parameters Temperature, pH, TSS, O & G, COD, BOD, Ammonical Nitrogen, HCN and TDS. The copy of the six monthly analysis report is attached herewith in Annexure 2 .
iv)	M/s JSW Steel Ltd. should comply with the effluent dispersion modelling study carried out by the NIO in January 2019 to predict the maximum dilution of the treated effluent around the point of discharge in Amba Estuary.	Noted and Complied Treated effluent parameters and flow are within the permissible limit of approval granted.
v)	M/s JSW Steel Ltd. should strictly ensure disposal of treated effluent discharge into Sea or marine outfalls to the prescribed standards of CPCB / SPCB.	Noted and complied The effluent quality is within the discharge norms.
vi)	No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.	Noted and complied
vii)	Any temporary physical infrastructure setup and excavated material during laying of Pipelines shall not be dumped in water bodies or adjacent areas and the site shall be restored to its original condition after completion of construction of work.	Noted and complied
viii)	No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phase of the project.	Complied All the water supply requirement met from existing water supply of JSW.

ix)	Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.	Noted and complied
x)	All the conditions stipulated by the Maharashtra Coastal Zone Management Authority for CRZ clearance 2011 vide its Letter No. CRZ 2020/CR86/TC4 dated 22/06/2022 and commitments made by the PP before the MCZMA and EAC shall be followed in letter and spirit.	Noted and complied
xi)	All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.	Noted and complied
	PART B - GENERAL CONDITIONS :	
i)	Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.	Noted and complied
ii)	'Consent to Establish' and/or 'Consent to Operate' shall be obtained from State Pollution Control Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and/or the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.	Consent to operate with marine discharge from Steel Plant is obtained.
iii)	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of Competent Authority.	Noted and Complied.
iv)	All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central/State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea/coastal water bodies. It shall be ensured that the wastewater generated is treated in the STP as committed by the project proponent. The treated waste water shall be reused for landscaping, flushing and/or HVAC cooling purposes etc. within the development. The project proponent should also make alternate arrangement for situation arising due	Complied. All the discharge to marine disposal is treated effluent. Domestic wastewater is treated in STP and reused internally in plantation area.

	to malfunctioning of STP. There shall be regular monitoring of standard parameters of the effluent discharge from STP under intimation to the SPCB,	
v)	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	No Hazardous wastes generated from this project
vi)	A copy of the clearance letter shall be uploaded on the website of the concerned State Coastal Zone Management Authority/State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office/Tehsildar's Office for 30 days.	Copy of the clearance letter is uploaded in the company web site and submitted to MPCB Office, Collector Office and Thasildar Office and the copies are attached herewith in Annexure 3 A, 3 B & 3 C
vii)	A six-monthly monitoring report shall need to be submitted by the project proponent to the concerned Regional Office of this Ministry regarding the implementation of the stipulated conditions.	Six monthly water quality monitoring report for outlet of Treated effluent quality for parameters Temperature, pH, TSS, O & G, COD, BOD, Ammonical Nitrogen, HCN and TDS. The copy of the six monthly analysis report is attached herewith in Annexure 2.
viii)	The Ministry of Environment, Forest & Climate Change or any other Competent Authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.	Noted and shall be complied
ix)	Full co-operation shall be extended to the officials from the Regional Office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned Regional Office of MoEF&CC.	Noted and shall be complied
x)	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Noted

xi)	The Ministry reserves the right to add additional safeguard measures subsequently, if considered necessary, and to take action to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner, including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, for non-compliance.	Noted
xii)	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the respective Competent Authorities.	Noted Other Clearances are not applicable for this project like storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972
xiii)	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at https://parivesh.nic.in The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the concerned Regional Office of this Ministry.	As per the CRZ Clearance conditions, the project proponent has done the advertisement in two local newspapers Navarashtra Raigad Marathi dated 12/04/2023 and Free Press Journal dated 12/04/2023 widely circulated in the region, for the CRZ Clearance. The copies of the advertisement is attached in Annexures 4 A & 4 B
xiv)	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Copy of the CRZ Clearance letter shall has been submitted to concerned Panchayat, Zilla Parisad and the copy of the letter is attached in Annexure 3 A, 3 B and 3 C
xv)	The proponent shall upload the status of compliance of the stipulated conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office	Noted and shall be complied.

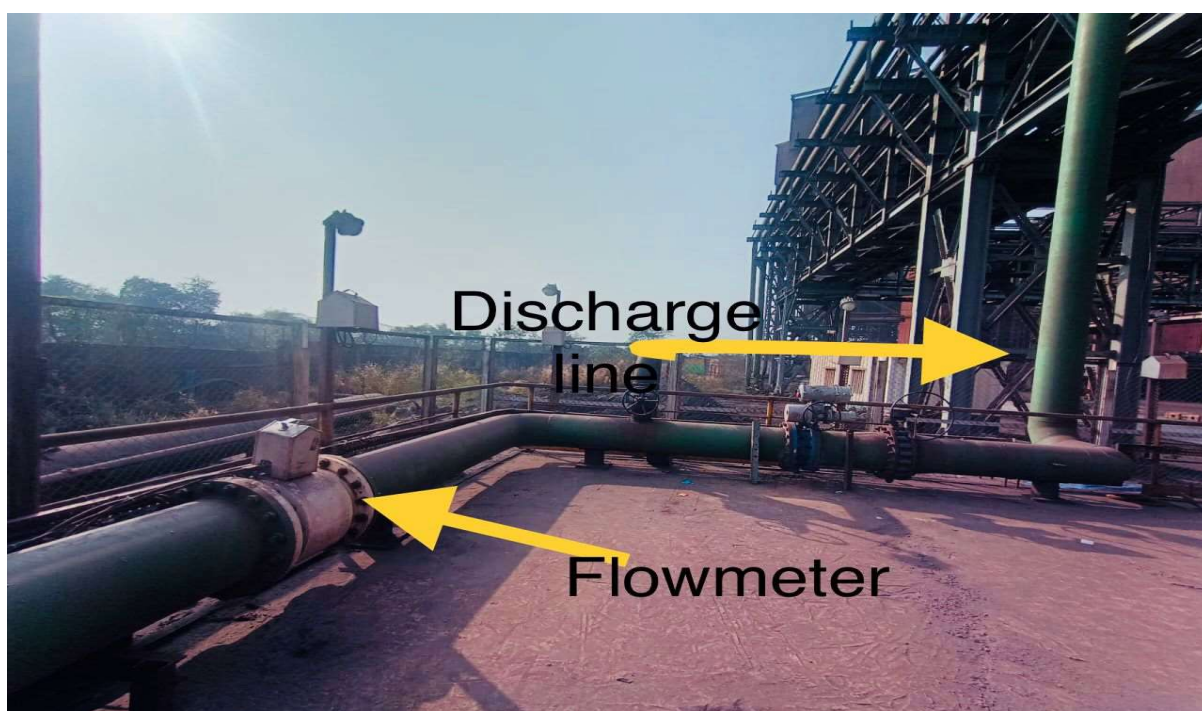
	of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.	
xvi)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the project proponent along with the status of compliance of clearance conditions and shall also be sent to the respective Regional Office of the Ministry by e-mail.	Copy of the Environment Statement for Integrated steel plant and Coke oven plant 2 are attached herewith in Annexure 5 A & 5 B
6	This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	Noted
7	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the CRZ clearance, if implementation of any of the above conditions is not found satisfactory. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act 1986.	Noted and shall be complied
9	Any appeal against this CRZ clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
10	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules,	Noted and shall be complied

	2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.	
11	This issues with approval of the Competent Authority.	Noted

ANNEXURE 1

Marine Discharge Pit Photos

Marine Discharge Tank - Photographs



ANNEXURE 2

**Water Analysis Report done by
M/s. Bureau Veritas Pvt Ltd**



Test Report No. INCHE23061350704124230

ULR No. : TC805723000011876F

Report Issue Date: 04 Jul 2023

TEST REPORT

Report Issued To: JSW Steel Limited			
P.O. Geetapuram, Village: Dolvi, Raigad - Maharashtra, 402107, India			
Discipline :	Chemical	Sample receipt date :	26 Jun 2023
Group :	Pollution and Environment	Date of registration :	26 Jun 2023
BV Sample ID :	1254501	Date of commencing of testing :	27 Jun 2023
Sample Name** :	MDP WATER	Date of completion of testing :	03 Jul 2023
Physical Description :	Clear liquid		
Sample condition on receipt :	GOOD		
Sample quantity / Package** :	2LTR X 1NO		
Sample Information:	Sampling Done by Laboratory		
Sampling procedure :	BVILCH/QMS/SOP-012	Date of sampling / collection :	22 Jun 2023
Sampling location :	JSW Steel Limited., P.O. Geetapuram, Village: Dolvi, Raigad - Maharashtra, 402107.	Sampling / Collection done by :	Mr. K.MANIKANDAN

No.	Test Parameters	Unit	Test Results	Test Method	LOQ
1	pH Value	-	7.86	APHA 23rd Ed. 4500H+B	1
2	Oil and Grease	mg/L	BLQ	APHA 23rd Edition 2017 - 5520 O&G B	2
3	Bio-Chemical Oxygen Demand - 27°C/3 days	mg/L	BLQ	IS 3025 Part 44 : 1993	1
4	Total Dissolved Solids	mg/L	572	APHA 23rd Ed. 2540 C	1
5	Ammonical Nitrogen as N	mg/L	BLQ	APHA 23rd Edn-4500 NH3 B,C	1
6	Total Suspended Solids	mg/L	BLQ	APHA 23rd Ed. 2540 D	1
7	Chloride as Cl ⁻	mg/L	162	APHA 23rd Ed. 4500-Cl B	1
8	Sulphate as SO ₄ ²⁻	mg/L	113	APHA 23rd Ed. 4500-SO4 E	2
9	Nitrate Nitrogen	mg/L	BLQ	IS 3025 (P-34): 1988	1
10	Chemical Oxygen Demand	mg/L	BLQ	APHA 23rd Edition 2017 - 5220 C	5
11	Free Residual Chlorine	mg/L	BLQ	IS 3025 (P-26): 1986	0.1
12	Copper as Cu	mg/L	BLQ	APHA 23rd Ed. 3120 B	0.05
13	Iron as Fe	mg/L	0.14	IS 3025 (Part 2) - 2019	0.05
14	Zinc as Zn	mg/L	BLQ	APHA 23rd Ed. 3120 B	0.05
15	Total Phosphates as P	mg/L	BLQ	APHA 23rd Edition 2017 - 3120 B	0.05
16	Cyanide as CN	mg/L	BLQ	APHA 23rd Ed. 4500 CN C,E	0.01
17	Phenolic compounds as C ₆ H ₅ OH	mg/L	BLQ	APHA 23rd Edition 2017 5530 B,C	0.01

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification

** Indicates information supplied by the customer for which the laboratory has no control

Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory

M.Ramesh

Manager





Test Report No. INCHE23061350704124230

ULR No. : TC805723000011876F

Report Issue Date: 04 Jul 2023

DISCLAIMERS:

(1.) All services are rendered in accordance with Bureau Veritas General Terms and Conditions of Service available at General terms & Conditions - BVIL. [https://www.bureauveritas.co.in/sites/g/files/zyfjnx556/files/media/document/General Conditions of Service - June 2021-BVIL-revised.pdf](https://www.bureauveritas.co.in/sites/g/files/zyfjnx556/files/media/document/General%20Conditions%20of%20Service%20-%20June%202021-BVIL-revised.pdf). (2.) The information marked with (**) customer provided information for which the laboratory has no control. (3.) The test report shall not be reproduced in full and/or in part or be used for any promotional and/or publicity purpose without the prior written approval of the issuing authority. The laboratory is not responsible for the authenticity of photocopied test report. (4.) The test result relate only to the item tested at the time and place of testing. (5.) The samples for testing are by default considered as submitted by customer unless otherwise stated in the sample information. (6.) Issuance of a test report of Analysis is NOT an indication that the item(s) is (are) fit for any specific purpose nor does it release any other party from their respective obligations. The maximum amount Bureau Veritas shall be liable for under any circumstance are the fees paid by the Client for the services provided under its contract with the Client for services delivered herein. (7.) The test item will not be retained for more than 15 days for non-perishable and 7 days for perishable samples from the date of issue of test report except in case as required by applicable regulation. (8.) Bureau Veritas owes no duty to any third party with respect to the results contained herein nor does Bureau Veritas accept any liability whatsoever with respect to the use by any third party of any information set out in this test report. Any third party relying on or using this report is responsible for exercising its own independent judgement with regard to the information contained herein and releases Bureau Veritas from any liability arising therefrom. (9.) The tests marked with (#) are subcontracted. (10.) This report is a computer-generated document with electronic signature, hence does not require manual signature. (11.) The statement of compliance / decision rule is based on 95% confidence level for the reported expanded uncertainty. (12.) The opinion and interpretations expressed in the report is based on the results obtained from the tested item. (13.) Sample on receipt to lab was "found to be fit" for analysis.

--- End of Report ---





Test Report No. INCHE23073620819050258

ULR No. : TC805723000015373F

Report Issue Date: 19 Aug 2023

TEST REPORT

Report Issued To: JSW Steel Limited			
P.O. Geetapuram, Village: Dolvi, Raigad - Maharashtra, 402107, India			
Discipline :	Chemical	Sample receipt date :	29 Jul 2023
Group :	Pollution and Environment	Date of registration :	29 Jul 2023
BV Sample ID :	1278764	Date of commencing of testing :	31 Jul 2023
Sample Name** :	MDP Water	Date of completion of testing :	09 Aug 2023
Physical Description :	Clear liquid		
Sample condition on receipt :	Good		
Sample quantity / Package** :	2Ltr		
Sample Information:	Sampling Done by Laboratory		
Sampling procedure :	BVILCH/QMS/SOP-012	Date of sampling / collection :	26 Jul 2023
Sampling location :	JSW Steel Limited., P.O. Geetapuram, Village: Dolvi, Raigad - Maharashtra, 402107.	Sampling / Collection done by :	Mr. R. Ayyanar

No.	Test Parameters	Unit	Test Results	Test Method	LOQ
1	pH Value	-	7.61	APHA 23rd Ed. 4500H+B	1
2	Oil and Grease	mg/L	BLQ	APHA 23rd Edition 2017 - 5520 O&G B	2
3	Bio-Chemical Oxygen Demand - 27°C/3 days	mg/L	BLQ	IS 3025 Part 44 : 1993	1
4	Total Dissolved Solids	mg/L	496	APHA 23rd Ed. 2540 C	1
5	Ammonical Nitrogen as N	mg/L	BLQ	APHA 23rd Edn-4500 NH3 B,C	1
6	Total Suspended Solids	mg/L	BLQ	APHA 23rd Ed. 2540 D	1
7	Chloride as Cl ⁻	mg/L	125	APHA 23rd Ed. 4500-Cl B	1
8	Sulphate as SO ₄ ²⁻	mg/L	81.4	APHA 23rd Ed. 4500-SO4 E	2
9	Nitrate Nitrogen	mg/L	BLQ	IS 3025 (P-34): 1988	1
10	Chemical Oxygen Demand	mg/L	BLQ	APHA 23rd Ed. 5220 B	5
11	Free Residual Chlorine	mg/L	BLQ	IS 3025 (P-26): 1986	0.1
12	Copper as Cu	mg/L	BLQ	APHA 23rd Ed. 3120 B	0.05
13	Iron as Fe	mg/L	0.15	APHA 23rd Ed. 3120 B	0.05
14	Zinc as Zn	mg/L	BLQ	APHA 23rd Ed. 3120 B	0.05
15	Total Phosphates as P	mg/L	BLQ	APHA 23rd Edition 2017 - 3120 B	0.05
16	Cyanide as CN	mg/L	BLQ	APHA 23rd Ed. 4500 CN C,E	0.01
17	Phenolic compounds as C ₆ H ₅ OH	mg/L	BLQ	APHA 23rd Edition 2017 5530 B,C	0.01

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification

** Indicates information supplied by the customer for which the laboratory has no control

Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory

M.Ramesh

Manager





Test Report No. INCHE23073620819050258

ULR No. : TC805723000015373F

Report Issue Date: 19 Aug 2023

DISCLAIMERS:

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— End of Report —





Test Report No. INCHE23081850902102702

ULR No. : TC805723000016347F

Report Issue Date: 02 Sep 2023

TEST REPORT

Report Issued To: JSW Steel Limited

P.O. Geetapuram, Village: Dolvi, Raigad - Maharashtra, 402107, India

Discipline :	Chemical	Sample receipt date :	19 Aug 2023
Group :	Pollution and Environment	Date of registration :	22 Aug 2023
BV Sample ID :	1308423	Date of commencing of testing :	22 Aug 2023
Sample Name** :	HSM-2 MDP Water	Date of completion of testing :	30 Aug 2023
Physical Description :	Clear liquid		
Sample quantity / Package** :	2Ltr		

Sample Information: Sampling Done by Laboratory

Sampling procedure :	BVILCH/QMS/SOP-012	Date of sampling / collection :	14 Aug 2023
Sampling location :	JSW Steel Limited., P.O. Geetapuram, Village: Dolvi, Raigad - Maharashtra, 402107.	Sampling / Collection done by :	Mr. R. Ayyanar

No.	Test Parameters	Unit	Test Results	Test Method	LOQ
1	pH Value	-	6.52	APHA 23rd Ed. 4500H+B	1
2	Oil and Grease	mg/L	BLQ	APHA 23rd Edition 2017 - 5520 O&G B	2
3	Bio-Chemical Oxygen Demand - 27°C/3 days	mg/L	BLQ	IS 3025 Part 44 : 1993	1
4	Total Dissolved Solids	mg/L	507	APHA 23rd Ed. 2540 C	1
5	Ammonical Nitrogen as N	mg/L	BLQ	APHA 23rd Edn-4500 NH3 B,C	1
6	Total Suspended Solids	mg/L	BLQ	APHA 23rd Ed. 2540 D	1
7	Chloride as Cl ⁻	mg/L	118	APHA 23rd Ed. 4500-Cl B	1
8	Sulphate as SO ₄ ²⁻	mg/L	87.0	APHA 23rd Ed. 4500-SO4 E	2
9	Nitrate Nitrogen	mg/L	BLQ	IS 3025 (P-34): 1988	1
10	Chemical Oxygen Demand	mg/L	6	APHA 23rd Ed. 5220 B	5
11	Free Residual Chlorine	mg/L	BLQ	IS 3025 (P-26): 1986	0.1
12	Copper as Cu	mg/L	BLQ	APHA 23rd Ed. 3120 B	0.05
13	Iron as Fe	mg/L	0.29	IS 3025 (Part 2) - 2019	0.05
14	Zinc as Zn	mg/L	BLQ	APHA 23rd Ed. 3120 B	0.05
15	Total Phosphates as P	mg/L	BLQ	APHA 23rd Edition 2017 - 3120 B	0.05
16	Cyanide as CN	mg/L	BLQ	APHA 23rd Ed. 4500 CN C,E	0.01
17	Phenolic compounds as C ₆ H ₅ OH	mg/L	BLQ	APHA 23rd Edition 2017 5530 B,C	0.01

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification

** Indicates information supplied by the customer for which the laboratory has no control

Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory

M. Ramesh

Manager





Test Report No. INCHE23081850902102702

ULR No. : TC805723000016347F

Report Issue Date: 02 Sep 2023

DISCLAIMERS:

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— End of Report —





Test Report No. INCHE23094711130105123

Report Issue Date: 04 Oct 2023

TEST REPORT

Report Issued To: JSW Steel Limited			
P.O. Geetapuram, Village: Dolvi, Raigad - Maharashtra, 402107, India			
Discipline :	Chemical	Group :	Pollution and Environment
BV Sample ID :	1340664	Sample receipt date :	29 Sep 2023
Sample Name** :	MDP Water	Date of registration :	29 Sep 2023
Physical Description :	Slightly Turbid Liquid	Date of commencing of testing :	30 Sep 2023
Sample condition on receipt :	Good	Date of completion of testing :	06 Oct 2023
Sample quantity / Package** :	1 Ltr		
Sample Information: Sampling Done by Laboratory			
Sampling procedure :	BVILCH/QMS/SOP-012	Date of sampling / collection :	25 Sep 2023
Sampling location :	JSW Steel Limited P.O. Geetapuram, Village: Dolvi, Raigad - Maharashtra, 402107, India	Sampling / Collection done by :	Mr.E.Yuvaraj

No.	Test Parameters	Unit	Test Results	Test Method	LOQ
1	pH Value	-	8.01	APHA 23rd Ed. 4500H+B	1
2	Oil and Grease	mg/L	BLQ	APHA 23rd Edition 2017 - 5520 O&G B	2
3	Bio-Chemical Oxygen Demand - 27°C/3 days	mg/L	4	IS 3025 Part 44 : 1993	1
4	Total Dissolved Solids	mg/L	686	APHA 23rd Ed. 2540 C	1
5	Ammonical Nitrogen as N	mg/L	BLQ	APHA 23rd Edn-4500 NH3 B,C	1
6	Total Suspended Solids	mg/L	6	APHA 23rd Ed. 2540 D	1
7	Chloride as Cl ⁻	mg/L	86.7	APHA 23rd Ed. 4500-Cl B	1
8	Sulphate as SO ₄ ²⁻	mg/L	85.7	APHA 23rd Ed. 4500-SO4 E	2
9	Nitrate Nitrogen	mg/L	BLQ	IS 3025 (P-34): 1988	1
10	Chemical Oxygen Demand	mg/L	23	APHA 23rd Ed. 5220 B	5
11	Copper as Cu	mg/L	BLQ	APHA 23rd Ed. 3120 B	0.05
12	Iron as Fe	mg/L	BLQ	IS 3025 (Part 2) - 2019	0.05
13	Zinc as Zn	mg/L	BLQ	APHA 23rd Ed. 3120 B	0.05
14	Total Phosphates as P	mg/L	0.08	APHA 23rd Edition 2017 - 3120 B	0.05
15	Phenolic compounds as C ₆ H ₅ OH	mg/L	BLQ	APHA 23rd Edition 2017 5530 B,C	0.01
16	Cyanide as CN	mg/L	BLQ	APHA 23rd Ed. 4500 CN C,E	0.01

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification

** Indicates information supplied by the customer for which the laboratory has no control

Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory

M.Ramesh

Manager

Test Report No. INCHE23094711130105123

Report Issue Date: 04 Oct 2023

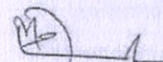
No.	Test Parameters	Unit	Test Results	Test Method	LOQ
17	Free Residual Chlorine	mg/L	BLQ	IS 3025 (P-26): 1986	0.1

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification

** Indicates information supplied by the customer for which the laboratory has no control

Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory



M.Ramesh

Manager

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[https://www.bureauveritas.co.in/sites/g/files/zypfnx556/files/media/document/General Conditions of Service - June 2021-BVIL-revised.pdf](https://www.bureauveritas.co.in/sites/g/files/zypfnx556/files/media/document/General%20Conditions%20of%20Service%20-%20June%202021-BVIL-revised.pdf). (2.) The information marked with (**) customer provided information for which the laboratory has no control. (3.) The test report shall not be reproduced in full and/or in part or be used for any promotional and/or publicity purpose without the prior written approval of the issuing authority. The laboratory is not responsible for the authenticity of photocopied test report. (4.) The test result relate only to the item tested at the time and place of testing. (5.) Issuance of a test report of Analysis is NOT an indication that the item(s) is (are) fit for any specific purpose nor does it release any other party from their respective obligations. The maximum amount Bureau Veritas shall be liable for under any circumstance are the fees paid by the Client for the services provided under its contract with the Client for services delivered herein. (6.) The test item will not be retained for more than 15 days for non-perishable and 7 days for perishable samples from the date of issue of test report except in case as required by applicable regulation. (7.) Bureau Veritas owes no duty to any third party with respect to the results contained herein nor does Bureau Veritas accept any liability whatsoever with respect to the use by any third party of any information set out in this test report. Any third party relying on or using this report is responsible for exercising its own independent judgement with regard to the information contained herein and releases Bureau Veritas from any liability arising therefrom. (8.) The tests marked with (#) are subcontracted. (9.) This report is a computer-generated document with electronic signature, hence does not require manual signature. (10.) The statement of compliance / decision rule is based on 95% confidence level for the reported expanded uncertainty. (11.) The opinion and interpretations expressed in the report is based on the results obtained from the tested item. (12.) Sample on receipt to lab was "found to be fit" for analysis.

— End of Report —



Test Report No. INCHE23105301130114359

Report Issue Date: 11 Nov 2023

TEST REPORT

Report Issued To: JSW Steel Limited			
P.O. Geetapuram, Village: Dolvi, Raigad - Maharashtra, 402107, India			
Discipline :	Chemical	Group :	Pollution and Environment
BV Sample ID :	1369645	Sample receipt date :	30 Oct 2023
Sample Name** :	MDP Water	Date of registration :	31 Oct 2023
Physical Description :	Turbid liquid	Date of commencing of testing :	01 Nov 2023
Sample condition on receipt :	Good	Date of completion of testing :	08 Nov 2023
Sample quantity / Package** :	2 Ltr		
Sample Information:	Sampling Done by Laboratory		
Sampling procedure :	BVILCH/QMS/SOP-012	Date of sampling / collection :	25 Oct 2023
Sampling location :	JSW Steel Limited., P.O. Geetapuram, Village: Dolvi, Raigad - Maharashtra, 402107.	Sampling / Collection done by :	Mr. R. Ayyanar

No.	Test Parameters	Unit	Test Results	Test Method	LOQ
1	pH Value	-	6.86	APHA 23rd Ed. 4500H+B	1
2	Oil and Grease	mg/L	BLQ	APHA 23rd Edition 2017 - 5520 O&G B	2
3	Bio-Chemical Oxygen Demand - 27°C/3 days	mg/L	2.6	IS 3025 Part 44 : 1993	1
4	Total Dissolved Solids	mg/L	350	APHA 23rd Ed. 2540 C	1
5	Total Suspended Solids	mg/L	2.6	APHA 23rd Ed. 2540 D	1
6	Ammonical Nitrogen as N	mg/L	8.0	APHA 23rd Edn-4500 NH3 B,C	1
7	Chloride as Cl	mg/L	124	APHA 23rd Ed. 4500-Cl B	1
8	Sulphate as SO ₄ ²⁻	mg/L	29.8	APHA 23rd Ed. 4500-SO4 E	2
9	Nitrate Nitrogen	mg/L	10.0	IS 3025 (P-34): 1988	1
10	Chemical Oxygen Demand	mg/L	28	APHA 23rd Ed. 5220 B	5
11	Free Residual Chlorine	mg/L	BLQ	IS 3025 (P-26): 1986	0.1
12	Copper as Cu	mg/L	BLQ	APHA 23rd Ed. 3120 B	0.05
13	Iron as Fe	mg/L	17.0	IS 3025 (Part 2) - 2019	0.05
14	Zinc as Zn	mg/L	BLQ	APHA 23rd Ed. 3120 B	0.05
15	Total Phosphates as P	mg/L	BLQ	APHA 23rd Edition 2017 - 3120 B	0.05
16	Cyanide as CN	mg/L	BLQ	APHA 23rd Ed. 4500 CN C,E	0.01
17	Phenolic compounds as C ₆ H ₅ OH	mg/L	BLQ	APHA 23rd Edition 2017 5530 B,C	0.01

Abbreviations: LOQ: Limit of Quantification, BLQ: Below limit of quantification

** Indicates information supplied by the customer for which the laboratory has no control

Note: SAMPLE TESTED AS RECEIVED

Authorized Signatory

M. Ramesh

Manager



Test Report No. INCHE23105301130114359

Report Issue Date: 11 Nov 2023

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— End of Report —

ANNEXURE 3

**Letters Submitted to Various Government Offices
and Gram Panchayats regarding Receipt of CRZ
Clearance for Marine Discharge**

Dolvi Works:

Geetapuram,
Dolvi, Taluka - Pen,
Dist. Raigad - 402 107, Maharashtra, India.
CIN : L27102MH1994PLC152925
Phone : +91 2143 663000/3100/3200
Fax : +91 2143 277533/42
Website : www.jsw.in

जेएसडब्ल्यू/जिल्हाधिकारी कार्यालय/इसी/२०२३

दिनांक: २७/०४/२०२३

प्रती,

माननीय जिल्हाधिकारी तथा जिल्हादंडाधिकारी

जिल्हा रायगड

विषय: वन व पर्यावरण मंत्रालय नवी दिल्ली यांचेकडून जेएसडब्ल्यू स्टील लि. कंपनी डोलवी प्लॅन्टमधून प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत प्रमाणपत्र प्राप्त झाल्याचे कळविणेबाबत.

महोदय,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी, ता. पेण, जि. रायगड या प्रकल्पाला भारत सरकार पर्यावरण, वन आणि क्लायमेट चेंज मंत्रालय (आय.ए. विभाग), इंदिरा पर्यावरण भवन, जोर बाग रोड, नवी दिल्ली ११०००३ यांच्याकडून दिनांक ०५/०४/२०२३ रोजी जेएसडब्ल्यू स्टील लि. डोलवी प्लॅन्टमधून प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत प्रमाणपत्र प्राप्त झाले आहे.

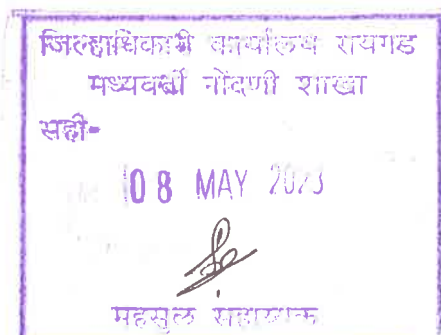
सदर प्रमाणपत्राची प्रत पर्यावरण, वन आणि क्लायमेट चेंज मंत्रालयामध्ये व त्यांच्या <http://parivesh.nic.in/> या संकेत स्थळावर व राज्य प्रदूषण नियंत्रण मंडळाकडे पाहण्यासाठी उपलब्ध आहे.

सदरील ना हरकत प्रमाणपत्राची प्रत आपल्या माहितीसाठी सोबत सादर करित आहोत.

आपला आभारी,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी करीता

(प्राधिकृत अधिकारी)



Regd. Office: JSW Centre,
Bandra Kurla Complex,
Bandra (East), Mumbai - 400 051.
Phone : +91 22 4286 1000
Fax : +91 22 4286 3000

जेएसडब्ल्यू/उपविभागीय अधिकारी अलिबाग/इसी/२०२३

दिनांक: २७/०४/२०२३

प्रती,

माननीय उपविभागीय अधिकारी तथा उपविभागीय दंडाधिकारी अलिबाग,
उपविभाग अलिबाग, ता. अलिबाग, जिल्हा- रायगड.

विषय: वन व पर्यावरण मंत्रालय नवी दिल्ली यांचेकडून जेएसडब्ल्यू स्टील लि. कंपनी डोलवी प्लॅन्टमधून
प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे
ना हरकत प्रमाणपत्र प्राप्त झाल्याचे कळविणेबाबत.

महोदय,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी, ता. पेण, जि. रायगड या प्रकल्पाला भारत सरकार पर्यावरण, वन
आणि क्लायमेंट चेंज मंत्रालय (आय.ए. विभाग), इंदिरा पर्यावरण भवन, जोर बाग रोड, नवी दिल्ली
११०००३ यांच्याकडून दिनांक ०५/०४/२०२३ रोजी जेएसडब्ल्यू स्टील लि. डोलवी प्लॅन्टमधून प्रक्रिया
केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत
प्रमाणपत्र प्राप्त झाले आहे.

सदर प्रमाणपत्राची प्रत पर्यावरण, वन आणि क्लायमेंट चेंज मंत्रालयामध्ये व त्यांच्या
<http://parivesh.nic.in/> या संकेत स्थळावर व राज्य प्रदूषण नियंत्रण मंडळाकडे पाहण्यासाठी
उपलब्ध आहे.

सदरील ना हरकत प्रमाणपत्राची प्रत आपल्या माहितीसाठी सोबत सादर करीत आहोत.

आपला आभारी,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी करीता



(प्राधिकृत अधिकारी)

Dolvi Works:

Geetapuram,
Dolvi, Taluka - Pen,
Dist. Raigad - 402 107. Maharashtra, India.
CIN : L27102MH1994PLC152925
Phone : +91 2143 663000/3100/3200
Fax : +91 2143 277533/42
Website : www.jsw.in

जेएसडब्ल्यू/तहसिल कार्यालय अलिबाग/इसी/२०२३

दिनांक: २७/०८/२०२३

प्रती,

माननीय तहसिलदार तथा कार्यकारी दंडाधिकारी अलिबाग,
ता. अलिबाग, जिल्हा- रायगड.

विषय: वन व पर्यावरण मंत्रालय नवी दिल्ली यांचेकडून जेएसडब्ल्यू स्टील लि. कंपनी डोलवी प्लॅन्टमधून प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत प्रमाणपत्र प्राप्त झाल्याचे कळविणेबाबत.

महोदय,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी, ता. पेण, जि. रायगड या प्रकल्पाला भारत सरकार पर्यावरण, वन आणि क्लायमेट चेंज मंत्रालय (आय.ए. विभाग), इंदिरा पर्यावरण भवन, जोर बाग रोड, नवी दिल्ली ११०००३ यांच्याकडून दिनांक ०५/०८/२०२३ रोजी जेएसडब्ल्यू स्टील लि. डोलवी प्लॅन्टमधून प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत प्रमाणपत्र प्राप्त झाले आहे.

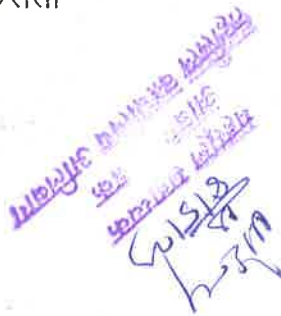
सदर प्रमाणपत्राची प्रत पर्यावरण, वन आणि क्लायमेट चेंज मंत्रालयामध्ये व त्यांच्या <http://parivesh.nic.in/> या संकेत स्थळावर व राज्य प्रदूषण नियंत्रण मंडळाकडे पाहण्यासाठी उपलब्ध आहे.

सदरील ना हरकत प्रमाणपत्राची प्रत आपल्या माहितीसाठी सोबत सादर करित आहोत.

आपला आभारी,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी करीता


(प्राधिकृत अधिकारी)



Dolvi Works:

Geetapuram,
Dolvi, Taluka - Pen,
Dist. Raigad - 402 107, Maharashtra, India.
CIN : L27102MH1994PLC152925
Phone : +91 2143 663000/3100/3200
Fax : +91 2143 277533/42
Website : www.jsw.in

जेएसडब्ल्यू/मुख्य कार्यकारी अधिकारी/इसी/२०२३

दिनांक: २७/०८/२०२३

प्रती,

माननीय मुख्य कार्यकारी अधिकारी,

जिल्हापरिषद रायगड

अलिबाग, जिल्हा-रायगड

विषय: वन व पर्यावरण मंत्रालय नवी दिल्ली यांचेकडून जेएसडब्ल्यू स्टील लि. कंपनी डोलवी प्लॅन्टमधून प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत प्रमाणपत्र प्राप्त झाल्याचे कळविणेबाबत.

महोदय,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी, ता. पेण, जि. रायगड या प्रकल्पाला भारत सरकार पर्यावरण, वन आणि क्लायमेट चेंज मंत्रालय (आय.ए. विभाग), इंदिरा पर्यावरण भवन, जोर बाग रोड, नवी दिल्ली ११०००३ यांच्याकडून दिनांक ०५/०८/२०२३ रोजी जेएसडब्ल्यू स्टील लि. डोलवी प्लॅन्टमधून प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत प्रमाणपत्र प्राप्त झाले आहे.

सदर प्रमाणपत्राची प्रत पर्यावरण, वन आणि क्लायमेट, चेंज मंत्रालयामध्ये व त्यांच्या <http://parivesh.nic.in/> या संकेत स्थळावर व राज्य प्रदूषण नियंत्रण मंडळाकडे पाहण्यासाठी उपलब्ध आहे.

सदरील ना हरकत प्रमाणपत्राची प्रत आपल्या माहितीसाठी सोबत सादर करीत आहोत.

आपला आभारी,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी करीता

(प्राधिकृत अधिकारी)

४८१५२३
लेखनिक
मध्यवर्ती नोंदणी शाखा
रायगड जिल्हा परिषद, अलिबाग
402 201

जेएसडब्ल्यू/जिल्हा उद्योग केंद्र/इसी/२०२३

दिनांक: २७/०४/२०२३

प्रती,
माननीय व्यवस्थापक,
जिल्हा उद्योग केंद्र,
रायगड, अलिबाग

विषय: वन व पर्यावरण मंत्रालय नवी दिल्ली यांचेकडून जेएसडब्ल्यू स्टील लि. कंपनी डोलवी प्लॅन्टमधून प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत प्रमाणपत्र प्राप्त झाल्याचे कळविणेबाबत.

महोदय,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी, ता. पेण, जि. रायगड या प्रकल्पाला भारत सरकार पर्यावरण, वन आणि क्लायमेंट चेंज मंत्रालय (आय.ए. विभाग), इंदिरा पर्यावरण भवन, जोर बाग रोड, नवी दिल्ली ११०००३ यांच्याकडून दिनांक ०५/०४/२०२३ रोजी जेएसडब्ल्यू स्टील लि. डोलवी प्लॅन्टमधून प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत प्रमाणपत्र प्राप्त झाले आहे.

सदर प्रमाणपत्राची प्रत पर्यावरण, वन आणि क्लायमेंट चेंज मंत्रालयामध्ये व त्यांच्या <http://parivesh.nic.in/> या संकेत स्थळावर व राज्य प्रदूषण नियंत्रण मंडळाकडे पाहण्यासाठी उपलब्ध आहे.

सदरील ना हरकत प्रमाणपत्राची प्रत आपल्या माहितीसाठी सोबत सादर करीत आहोत.

आपला आभारी,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी करीता


(प्राधिकृत अधिकारी)


जिल्हा उद्योग केंद्र
अलिबाग

जेएसडब्ल्यू/उपविभागीय अधिकारी पेण/इसी/२०२३

दिनांक: २७/०४/२०२३

प्रती,

माननीय उपविभागीय अधिकारी तथा उपविभागीय दंडाधिकारी पेण
उपविभाग पेण, ता. पेण, जिल्हा - रायगड.

विषय: वन व पर्यावरण मंत्रालय नवी दिल्ली यांचेकडून जेएसडब्ल्यू स्टील लि. कंपनी डोलवी प्लॅन्टमधून
प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे
ना हरकत प्रमाणपत्र प्राप्त झाल्याचे कळविणेबाबत.

महोदय,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी, ता. पेण, जि. रायगड या प्रकल्पाला भारत सरकार पर्यावरण, वन
आणि क्लायमेट चेंज मंत्रालय (आय.ए. विभाग), इंदिरा पर्यावरण भवन, जोर बाग रोड, नवी दिल्ली
११०००३ यांच्याकडून दिनांक ०५/०४/२०२३ रोजी जेएसडब्ल्यू स्टील लि. डोलवी प्लॅन्टमधून प्रक्रिया
केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत
प्रमाणपत्र प्राप्त झाले आहे.

सदर प्रमाणपत्राची प्रत पर्यावरण, वन आणि क्लायमेट चेंज मंत्रालयामध्ये व त्यांच्या
<http://parivesh.nic.in/> या संकेत स्थळावर व राज्य प्रदूषण नियंत्रण मंडळाकडे पाहण्यासाठी
उपलब्ध आहे.

सदरील ना हरकत प्रमाणपत्राची प्रत आपल्या माहितीसाठी सोबत सादर करित आहोत.

आपला आभारी,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी करीता

(प्राधिकृत अधिकारी)

लेखनिक

उप विभागीय अधिकारी कार्यालय
पेण.



JSW Steel Limited

Regd. Office: JSW Centre,
Bandra Kurla Complex,
Bandra (East), Mumbai - 400 051.
Phone : +91 22 4286 1000
Fax : +91 22 4286 3000

जेएसडब्ल्यू/तहसिल कार्यालय पेण/इसी/२०२३

दिनांक: २७/०४/२०२३

प्रती,

माननीय तहसिलदार तथा कार्यकारी दंडाधिकारी पेण,

ता. पेण, जिल्हा- रायगड.

विषय: वन व पर्यावरण मंत्रालय नवी दिल्ली यांचेकडून जेएसडब्ल्यू स्टील लि. कंपनी डोलवी प्लॅन्टमधून प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत प्रमाणपत्र प्राप्त झाल्याचे कळविणेबाबत.

महोदय,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी, ता. पेण, जि. रायगड या प्रकल्पाला भारत सरकार पर्यावरण, वन आणि क्लायमेट चेंज मंत्रालय (आय.ए. विभाग), इंदिरा पर्यावरण भवन, जोर बाग रोड, नवी दिल्ली ११०००३ यांच्याकडून दिनांक ०५/०४/२०२३ रोजी जेएसडब्ल्यू स्टील लि. डोलवी प्लॅन्टमधून प्रक्रिया केलेल्या सांडपाण्याचा विसर्ग डोलवी येथील अंबा खाडीमध्ये करण्यासाठी पर्यावरणाचे ना हरकत प्रमाणपत्र प्राप्त झाले आहे.

सदर प्रमाणपत्राची प्रत पर्यावरण, वन आणि क्लायमेट चेंज मंत्रालयामध्ये व त्यांच्या <http://parivesh.nic.in/> या संकेत स्थळावर व राज्य प्रदूषण नियंत्रण मंडळाकडे पाहण्यासाठी उपलब्ध आहे.

सदरील ना हरकत प्रमाणपत्राची प्रत आपल्या माहितीसाठी सोबत सादर करीत आहोत.

आपला आभारी,

जेएसडब्ल्यू स्टील लिमिटेड डोलवी करीता

(प्राधिकृत अधिकारी)

लेखनिक
तहसिल दफ्तार, पेण.
08 MAY 2023.

ANNEXURE 4

**Copy of Public Notice Circulated to Local News
Papers (English and Marathi) regarding
CRZ Clearance**

जहिर सुचना

भारत सरकार, पर्यावरण, वन आणि हवामान बदल मंत्रालय (अण. प. विभाग) इंदिरा पर्यावरण भवन, जैवर वाग रोड, अलीगंज, नवी दिल्ली - ११०००३ यांनी जे. एस. डब्ल्यू स्टील डोल्वी ताळुका पेगा जिल्हा रायगड महाराष्ट्र डोल्वी एस्कीयूअर स्टील प्रकल्पच्या स्वीकृत्यास संबंधित डोल्वी येथील अंबा खाडीत प्रवाहित करण्यासाठी किनाऱ्याची नियमन क्षेत्र विभागाचा परवाना पर प्राय झाले आहे. पर क्रमांक एच. नं. ११- ७/२०२३-१६, ३ दि. ५ एप्रिल २०२३ परा महाराष्ट्र वृक्षण नियंत्रण मंडळकडे (म. प्र. नि. म.) आणी पर्यावरण वन आणि हवामान बदल मंत्रालयाच्या संकेतस्थळावर उपलब्ध आहे, <https://parivash.nic.in> आणि कंपनी www.jsw.in संकेतस्थळावर आहे.

कडून

मेसर्स जे.एस.डब्ल्यू स्टील डोल्वी,
ताळुका पेगा, जिल्हा रायगड,
महाराष्ट्र- ४०११००.

स्थळ : डोल्वी
दिनांक : ०९/०४/२०२३

F. No. 11-7/2023-IA, III
Government of India
Ministry of Environment, Forest and Climate Change
(IA-III Section (CRZ))

Indira Paryavaran Bhawan
Jor Bagh Road
New Delhi-110 003
Dated : 5th April, 2023

To

M/s JSW Steel Ltd.
Dolvi, Geetapuram
District Raigad
Maharashtra-402107
Email : anand.rao@jsw.in

Subject : Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd. - CRZ Clearance - regarding.

Sir,

- This has reference to your proposal No. IA/MH/CRZ/288138/2022 dated 5th January, 2023 on the above mentioned project proposal for CRZ Clearance, in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 issued under the Environment (Protection) Act, 1986.
2. The Ministry of Environment, Forest and Climate Change has examined the proposal for CRZ Clearance to the project for Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd. into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd.
3. The proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects, in its meetings held on 17th January, 2023 and 7th February, 2023. The project proponent and their consultant made detailed presentation and informed as under :
- (i) The project located in Village Dolvi, Raigad at Latitude : 18° 42' 16.30" N and Longitude : 73° 01' 41.40" E. and activity located in CRZ IV(B) area.
- (ii) Length of pipeline from shore to outfall point is 118m. Width of excavation for pipe laying is 2.5m. Therefore, area of proposed activity is 295 Sq.m.
- (iii) M/s JSW Steel Ltd. has proposed to discharge treated effluent into Amba estuary in compliance to the specific condition no. iv of the environmental clearance amendment accorded by MoEFCC vide F.No.-J-11011/76/2013-IA. II (i) dated 16th June 2020.
- (iv) The specific condition no. iv in the aforesaid amendment clearance states that "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."
- (v) M/s JSW Dolvi executing expansion of its steelmaking capacity from 5 MTPA to 10 MTPA for which environmental clearance has been accorded by MoEFCC vide letter no. J-11011/76/2013-IA II (i) dated 25th August 2015. Some facilities of the expansion program have been commissioned.
- (vi) Currently, the effluents generated from operating facilities are treated in individual effluent treatment plants and used in Coke and slag quenching. However, with commissioning of facilities like Coke Dry Quenching, gas based boilers and power plants surplus treated water about 615 m³/h will be generated after commissioning of all facilities by December 2025.
- (vii) A comprehensive ZLD unit with RO systems and evaporators will be installed and commissioned by December 2025. The ZLD system will thus be functional by December 2025, ensuring 100% reuse of wastewater and zero liquid discharge.
- (viii) Maximum plume dispersion is expected to 310 m in worst case scenario (considering 1057m³/h) as per the effluent dispersion modelling study carried out by NIO.
- (ix) Fishing areas for the local fishermen are about 1000 m away from the proposed discharge location.
- (x) Based on marine studies it is recommended that the treated effluents of 1057 m³/h having density 1001 kg/m³ generated by the M/s JSW steel plant, Dolvi, may be released at Lat : 18° 42' 16.30" N; Long : 73° 01' 41.40" E through four port diffuser.
- (xi) The diffuser specifications are recommended as follows: Inner diameter of ports = 0.1766 m. No of ports = 4, Port elevation from sea bed = 0.5 m, Angle of port = 15°. Minimum distance between ports = 4.0 m, Jet Velocity = 3.0 m/s.
- (xii) Treated effluents will be collected in the sump which will be located at south side of the plant boundary and will be pumped to Amba Estuary. The total maximum discharge water considered for study is 1,057m³/h. However, the planning for actual discharge is 615 m³/h. Type of pump - Vertical Centrifugal Pumps.
- (xiii) Discharge - Cross country pipeline laid along the existing conveyor feeding raw material to steel plant from M/s JSW Dharamtar Port. Final discharge location of treated waste water as per the location decided by NIO through waste water dispersion modelling study. Online effluent analyser provided and connected to MPCB & CFCB.
- (xiv) A comprehensive marine quality monitoring program shall include monitoring parameters of Water quality, Sediment quality and Flora & Fauna.
- (xv) Approximately 10 KLD water will be required for drinking and construction purpose which will be sourced from existing water supply system. The JSW Steel Ltd has water supply approved from Irrigation Department of Government of Maharashtra.
- (xvi) Approximately 6 kg/day of domestic solid waste is estimated to be generated from labour. The solid waste will be disposed to authorized recycler.
- (xvii) Treated effluents will be collected in the sump which will be located at south side of the plant boundary and will be pumped to Amba Estuary. The total maximum discharge water considered for study is 1,057m³/h. However the planning for actual discharge is 615 m³/h.
- (xviii) M/s JSW steel, Dolvi has been carrying out Mangrove plantation since 2016 by involving local women community. In 2016-2017 it has planted 105000 plants; in 2017-2018 it has planted 3,00,000 plants. In 2018-2019 around 3,00,000 mangroves plantation is planned and in 2019-2020 it will plant another 3,00,000 mangroves.
- (xix) The Baseline Monitoring Locations :

Monitoring location	Station no.	Geographic Co-ordinates
Amba Estuary mouth	1	18° 49' 59.16"N; 72° 56' 39.48"E
Patalganga estuary mouth	2	18° 48' 40.26"N; 72° 56' 29.94"E
Ganeshpuri	3	18° 46' 09.42"N; 72° 59' 35.34"E
RIL DP	4	18° 45' 08.58"N; 72° 59' 06.48"E
Dharamtar port	5	18° 42' 10.44"N; 73° 01' 42.60"E
Upper estuary	6	18° 36' 10.20"N; 73° 05' 08.82"E
Upper estuary	7	18° 32' 44.28"N; 73° 07' 46.26"E
Kasumata devi mandir	8	16° 41' 43.00"N; 73° 01' 39.50"E

- (xx) About 25 of employment likely to be generated by the project and estimated cost of the project is ₹22.3 Crores.
- (xix) The Maharashtra Coastal Zone Management Authority intimated that the route of pipeline falls largely in the CRZ III area, the pipeline falls at the river end in CRZ IB, CRZ IVB area and activity is a permissible as per CRZ Notification 2011. The Maharashtra Coastal Zone Management Authority has recommended the proposal for CRZ clearance vide its Letter No. CRZ 2020/CR86/TC4 dated 22/06/2022.
4. The Committee made detailed deliberation on the proposal. The Committee noted that the proposed discharge of treated effluent and the discharge system shall be discontinued post commissioning of ZLD system by 2025. The Committee also noted that the MCZMA recommended and intimated that the route of pipeline falls largely in the CRZ III area, the pipeline falls at the river end in CRZ IB, CRZ IVB area and activity is a permissible as per CRZ Notification 2011. The PP shall ensure that the treated effluent discharge into sea / marine outfalls as per the prescribed standards of by CPCB / SPCB. The Committee further also advised to PP forward immediately by e-mail to all EAC Members about the detail of the untreated and treated effluent quality of various parameters for the present effluent stream from the plant. The same has been submitted by PP vide e-mail / letter No. Nil, dated 07/02/2023 and same also circulated to all EAC members including MoEFCC and also accepted by EAC while approving the minutes.
- The Committee after detailed deliberations and considering the submissions made by the project proponent recommended the proposal for CRZ Clearance, subject to certain terms and conditions.

5. Based on the recommendation of the Maharashtra Coastal Zone Management Authority and considering the submissions made by the project proponent, the Ministry of Environment, Forest

and Climate Change, in acceptance of the recommendations of the Expert Appraisal Committee (CRZ), hereby accords CRZ Clearance to the project for Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd., under the provisions of the CRZ Notification, 2019 and amendments thereto, subject to the compliance of terms and conditions as under :-

PART A - SPECIFIC CONDITIONS :

- (i) All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.
- (ii) The proposed discharge of treated effluent and the discharge system shall be discontinued post commissioning of ZLD system by the end of year 2025 and dismantling the pipeline and all the associated infrastructure.
- (iii) The monitoring plan should be prepared for the automated water quality after discharge of treated water into Amba estuary and six monthly monitoring reports should be submitted to Regional Office of MoEFCC.
- (iv) M/s JSW Steel Ltd. should comply with the effluent dispersion modelling study carried out by the NIO in January 2019 to predict the maximum dilution of the treated effluent around the point of discharge in Amba Estuary.
- (v) M/s JSW Steel Ltd. should strictly ensure disposal of treated effluent discharge into Sea or marine outfalls to the prescribed standards of CPCB / SPCB.
- (vi) No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.
- (vii) Any temporary physical infrastructure setup and excavated material during laying of Pipelines shall not be dumped in water bodies or adjacent areas and the site shall be restored to its original condition after completion of construction of work.
- (viii) No groundwater shall be extracted within the CR2 area to meet the water requirements during the construction and/or operation phase of the project.
- (ix) Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.
- (x) All the conditions stipulated by the Maharashtra Coastal Zone Management Authority for CRZ clearance 2011 vide its Letter No. CRZ 2020/CR86/TC4 dated 22/06/2022 and commitments made by the PP before the MCZMA and EAC shall be followed in letter and spirit.
- (xi) All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

PART B - GENERAL CONDITIONS :

- (i) Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.
- (ii) 'Consent to Establish' and/or 'Consent to Operate' shall be obtained from State Pollution Control Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and/or the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.
- (iii) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of Competent Authority.
- (iv) All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central/State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea/coastal water bodies. It shall be ensured that the wastewater generated is treated in the STP as committed by the project proponent. The treated waste water shall be reused for landscaping, flushing and/or HVAC cooling purposes etc. within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of standard parameters of the effluent discharge from STP under intimation to the SPCB.
- (v) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (vi) A copy of the clearance letter shall be uploaded on the website of the concerned State Coastal Zone Management Authority/State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office/Tehsildar's Office for 30 days.
- (vii) A six-monthly monitoring report shall need to be submitted by the project proponent to the concerned Regional Office of this Ministry regarding the implementation of the stipulated conditions.
- (viii) The Ministry of Environment, Forest & Climate Change or any other Competent Authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
- (ix) Full co-operation shall be extended to the officials from the Regional Office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned Regional Office of MoEF&CC.
- (x) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (xi) The Ministry reserves the right to add additional safeguard measures subsequently, if considered necessary, and to take action to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner, including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, for non-compliance.
- (xii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the respective Competent Authorities.
- (xiii) The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <https://parivash.nic.in>. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the concerned Regional Office of this Ministry.
- (xiv) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.
- (xv) The proponent shall upload the status of compliance of the stipulated conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.
- (xvi) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the project proponent along with the status of compliance of clearance conditions and shall also be sent to the respective Regional Office of the Ministry by e-mail.
6. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.
7. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the CRZ clearance, if implementation of any of the above conditions is not found satisfactory.
8. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act 1986.
9. Any appeal against this CRZ clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
10. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
11. This issues with approval of the Competent Authority.

Sd/-
(Dr. H. Kharkwal)
Scientist 'E' (CRZ)

Copy to :

- The Principal Secretary, Environment Department, Government of Maharashtra, Annex Building, Mantralaya, Mumbai-400 032, Maharashtra.
- The Deputy DGF (C), MoEF&CC Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-440 001, Maharashtra.
- The Member Secretary, Maharashtra Coastal Zone Management Authority (MCZMA), Environment and Climate Change Department, 15th Floor, New Administrative Building, Mantralaya, Mumbai-400 032, Maharashtra.
- The Member Secretary, Central Pollution Control Board, Parivash Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110 032.
- The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th Floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022, Maharashtra.
- Guard File/Monitoring File/Website/Record File.

Sd/-
(Dr. H. Kharkwal)
Scientist 'E' (CRZ)



**BRIHANMUMBAI
MAHANAGARPALIKA**

PUBLIC HEALTH DEPARTMENT
KASTURBA HOSPITAL
Sane Guruji Marg, Chinchpokali (West), Mumbai-400 011
No. HO/10439/KH Dt. 10.04.2023

E-Tender Notice

Online e-tender for supply of below mentioned kits is invited by Medical Superintendent - Kasturba Hospital for and on behalf of Municipal Commissioner of BMC.

Sr. No.	Bid No.	Name of the Item	Quantity
1	7200051417	Supply of Leptospira Real-time PCR (Qualitative) kit, Master mix, Controls and LEPTOSPIRA PRIMERS-FORWARD & REVERSE and Probes for PCR laboratory at Kasturba Hospital.	30 kits (30X100 Tests)

Bid Start : 12.04.2023 at 11:00 hrs. Bid End : 20.04.2023 at 15:00 hrs.

Contact Officer : Dr. Chandrakant P. Pawar
Medical Superintendent - Kasturba Hospital

Tel. No. : 022-23027700 e-mail : ms01kasturba.phd@mcgm.gov.in

Complete E-Tender documents are available in the E-tender portal <http://portal.www.mcgm.gov.in>

E-tender should be submitted online as per the E-Tender documents.

**Sd/-
Medical Superintendent
Kasturba Hospital**

PRO/70/ADV/2023-24

Fever? Act now, see your doctor for correct & complete treatment

Form No. 14
[See Regulation - 33(2)]
By Regd A/D. Dasti failing which by publication

**OFFICE OF THE RECOVERY OFFICER -I/II
DEBTS RECOVERY TRIBUNAL MUMBAI (DRT 3)**
1st Floor, MTNL Telephone Exchange Building, Sector-30 A,
Vashi, Navi Mumbai-400703

DEMAND NOTICE

NOTICE UNDER SECTIONS 25 TO 28 OF THE RECOVERY OF DEBTS & BANKRUPTCY ACT, 1993 AND RULE 2 OF SECOND SCHEDULE TO THE INCOME TAX ACT, 1961.

CANARA BANK
Versus
Mrs. Aparna Bhagat Bhagat

To
(CD 1) Mr. Aparna Bhagat Bhagat
At A/2/6, Kripa Nagar, Irla Bridge, Nutan Jeevan Co-op Hsg.' Society Limited, S.V. Road, Vileparle, Mumbai-400056.
This is to notify that as per the Recovery Certificate issued in pursuance of orders passed by the Presiding Officer, DEBTS RECOVERY TRIBUNAL MUMBAI (DRT 3) in OA/201/2007 an amount of **Rs. 15,77,049.00 (Rupees Fifteen Lakhs Seventy Seven Thousands Forty Nine Only)** along with pendente lite and future interest @ 9.40% Simple Interest Yearly w.e.f. 12/07/2007 till realization and costs of **Rs 42,270/- (Rupees Forty Two Thousands Two Hundred Seventy Only)** has become due against you (Jointly and severally).

2. You are hereby directed to pay the above sum within 15 days of the receipts of the notice, failing which the recovery shall be made in accordance with the Recovery of Debts Due to Banks and Financial Institutions Act, 1993 and Rules there under.

3. You are hereby ordered to declare on an affidavit the particulars of yours assets on or before the next date of hearing.

4. You are hereby ordered to appear before the undersigned on **12/04/2023 at 10:30 a.m.** for further proceedings.

5. In addition to the sum aforesaid, you will also be liable to pay:
(a) Such interests as is payable for the period commencing immediately after this notice of the certificate/execution proceedings.
(b) All costs, charges and expenses incurred in respect of the service of this notice and warrants and other processes and all other proceedings taken for recovering the amount due.

Given under my hand and the seal of the Tribunal, on this date: 27/07/2022.

**Sd/-
Recovery Officer
Debts Recovery Tribunal Mumbai (DRT 3)**

Seal

Public is hereby informed that **Mr. Anup Chandrakant Kulkarni** is a Member of our Society and having Flat No. B1-101 on the 1st Floor of the complex Known as "Swastik Garden Co-op. Hsg. Soc. Ltd., Has reported that the original share certificate has been Lost/ misplaced or otherwise not traceable by him and has applied For issuance of duplicate share certificates in lieu of original certificates Lost. The details of the share certificates are given below.

Flat No. B1-101. The said Flat No. B1-101 along with the share certificates as mentioned herein below was purchased by **Mr. Anup Chandrakant Kulkarni** along with Share Certificate No. 047 for 5 (Five) Shares for ₹ 50/- each. Any person/s having found the original or holding him towards any claim against the said certificate in any wise manner is required to make the same known to the Hon. Gen. Secretary, Swastik Garden Co-op. Hsg. Soc. Ltd, Pokharan Rd. No. 2 Subhash Nagar, Thane (w) 400606, within 10 Days from publishing this Notice, failing which the society shall proceed to issue duplicate share certificate to **Mr. Anup Chandrakant Kulkarni**. Reference to such claims, if any shall be considered as waived.

**Sd/-
For Swastik Garden Co-op. Hsg Soc. Ltd.**
Hon. Gen. Secretary

Place: Thane
Date : 12/04/2023

महाराष्ट्र शासन
सार्वजनिक न्यास नोंदणी कार्यालय
ठाणे विभाग ठाणे

वेस्ट व्यू, 3 ते 6 मजला,
राम मारुती रोड, गजानन महाराज
मंदिराजवळ, ठाणे (प), पिन नं.400 602
दुरध्वनी क्र.022-25346523

West View, 3 to 6 Floor,
Ram Maruti Road,Near Gajanan
Maharaj Mandir Thane (W), Pin. No. 400 602.
Telephone No. 022-25346523
Email – sudtest.th-mh@gov.in

जा.क्र. निरीक्षक/ई-४३७/निवडणूक / 609/23 दि. 11/04/2023

प्रति,

१) अभिनव शेतकरी शिक्षण मंडळ, नो. क्र. ई-४३७ (ठाणे),
अभिनव शिक्षण संकुल,गोडदेव, भाईंदर (पूर्वी), जिल्हा ठाणे -४०११०५
२) सार्वजनिक न्यास नोंदणी कार्यालय, ठाणे विभाग, ठाणे,
३) वृत्तपत्र :- 1) फ्री प्रेस जर्नल (इंग्रजी) (2) नव शक्ती (मराठी)

विषय - अभिनव शेतकरी शिक्षण मंडळ, नो. क्र. ई-४३७ (ठाणे) या न्यासाच्या निवडणूकीबाबत.

संदर्भ:-१) मा. धर्मदाय उप आयुक्त, ठाणे विभाग ठाणे, यांचे कलम ४ अ
अन्येचा अर्ज क्र.१२/२०२० मधिल दि. १४.०३.२०२२ रोजीचे आदेश.
२) मा.धर्मदाय उप आयुक्त, ठाणे यांचे दिनांक ०७/१०/२०२२ रोजीचे आदेश.
३) मा.धर्मदाय उप आयुक्त, ठाणे यांचे दिनांक ३१/१०/२०२२ रोजीचे आदेश.
४) या कार्यालयाचे जा.क्र.निरी.१/२१६२/२०२२, दि.०२/११/२०२२ अन्वये निवडणूक कार्यक्रम जाहीर.
५) मा.उच्च न्यायालय, मुंबई यांचे रिट पिटीशन क्र. १४४३७/२०२२व रिट पिटीशन क्र.१३६६५/२०२२ मधील दि. २५/११/२०२२ रोजीचे आदेश.
६) जा.क्र.निरी.१/२३४९/२०२३, दिनांक ०२/१२/२०२२ अन्वये मा.उच्च न्यायालय, मुंबई यांचे आदेशान्वये सभासद यादी हरकतीकरीता प्रसीध्द करण्यात आल्या.
७) जा.क्र.निरी.१/१०८/२०२३, दिनांक ०६/०१/२०२३ अन्वये मा. उच्च न्यायालय, मुंबई यांचे आदेशान्वये अंतीक सभासद यादी प्रसीध्द करण्यात आल्या.
८) मा.उच्च न्यायालय, मुंबई यांचे रिट पिटीशन क्र. १४४३७/२०२२व रिट पिटीशन क्र.१३६६५/२०२२ मधील दि.२८/०३/२०२३ रोजीचे आदेश.
९) मा.धर्मदाय उप आयुक्त, ठाणे यांचे दिनांक १०/०१/२०२३ रोजीचे आदेश.

महोदय,
मा.उच्च न्यायालय, मुंबई येथे दाखल केलेल्या रिट पिटीशन क्र. १४४३७/२०२२ व रिट पिटीशन क्र.१३६६५/२०२२ मध्ये दि. २५/११/२०२२ रोजी मा. उच्च न्यायालय, मुंबई यांचे आदेशानुसार अभिनव शेतकरी शिक्षण मंडळ, नो. क्र. ई-४३७ (ठाणे) या न्यासाची निवडणूक घेणे काही दि.०६/०१/२०२३ रोजी अंतीम मतदार (सभासद) प्रति प्रसिध्द करण्यात आली आहे.तसेच सदरद्व प्रकरणात संदर्भ क्र.८ मध्ये मा. उच्च न्यायालय, मुंबई यांचे दिनांक २८/०३/२०२३ रोजीचे आदेशानुसार सोबत दिल्याप्रमाणे निवडणूक कार्यक्रम जाहीर करण्यात येत आहे. तसेच सदरील निवडणूक प्रक्रिया, सोबतच्या निवडणूक कार्यक्रमा तक्त्यात दिल्याप्रमाणे करण्यात येईल.
सोबत :- निवडणूक कार्यक्रम.

PUBLIC NOTICE

Government of India, Ministry of Environment, Forest and Climate Change (I.A. Division) Indira Parayavaran Bhawan, Jor Bag Road, Ali Ganj, New Delhi-110 003 has accorded the CRZ Clearance - regarding vide letter No F. No. 11-7/2023-IA. III dated 5th April 2023 to M/s. JSW Steel Ltd. for Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd. Into Amba Estuary at Dolvi, Taluka-Pen, District Raigad, Maharashtra by M/s. JSW Steel Ltd.

The Copy of this CRZ Clearance Letter is available with Maharashtra Pollution Control Board (MPCB) and at website of Ministry Environment, Forest and Climate Change at <https://parivesh.nic.in> and Company Website www.jsw.in

**Sd/-
M/s. JSW Steel Ltd.
Geetapuram, Village Dolvi
Taluka-Pen, District-Raigad
Maharashtra-402 107**

Place : Dolvi
Date : 09/04/2023

**F. No. 11-7/2023-IA. III
Government of India
Ministry of Environment, Forest and Climate Change
IA-III Section (CRZ)**

Indira Paryavaran Bhawan
Jor Bagh Road
New Delhi-110 003
Dated : 5th April, 2023

To
**M/s JSW Steel Ltd.
Dolvi, Geetapuram
District Raigad
Maharashtra-402107**
Email : anand.raai@jsw.in

Subject : Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd - CRZ Clearance - regarding.

Sir,

This has reference to your proposal No. IA/MH/CRZ/288138/2022 dated 5th January, 2023 on the above mentioned project proposal for CRZ Clearance, in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 issued under the Environment (Protection) Act, 1986.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for CRZ Clearance to the project for Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd. into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd.

3. The proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects, in its meetings held on 17th January, 2023 and 7th February, 2023. The project proponent and their consultant made detailed presentation and informed as under :-

(i) The project located in Village Dolvi, Raigad at Latitude : 18° 42' 16.30" N and Longitude : 73° 01' 41.40" E. and activity located in CRZ IV(B) area.

(ii) Length of pipeline from shore to outfall point is 118m. Width of excavation for pipe laying is 2.5m. Therefore, area of proposed activity is 295 Sq.m.

(iii) M/s JSW Steel Ltd. has proposed to discharge treated effluent into Amba estuary in compliance to the specific condition no. iv of the environmental clearance amendment accorded by MoEFCC vide F. No. J-110117/76/2013-IA. II (I) dated 16th June 2020.

(iv) The specific condition no. iv in the aforesaid amendment clearance states that "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."

(v) M/s JSW Dolvi executing expansion of its steelmaking capacity from 5 MTPA to 10 MTPA for which environmental clearance has been accorded by MoEFCC vide letter no. J-110117/76/2013-IA II (I) dated 25th August 2015. Some facilities of the expansion program have been commissioned.

(vi) Currently, the effluents generated from operating facilities are treated in individual effluent treatment plants and used in Coke and slag quenching. However, with commissioning of facilities like Coke Dry Quenching, gas based boilers and power plants surplus treated water about 615 m3/h will be generated after commissioning of all facilities by December 2025.

(vii) A comprehensive ZLD unit with RO systems and evaporators will be installed and commissioned by December 2025. The ZLD system will thus be functional by December 2025, ensuring 100% reuse of wastewater and zero liquid discharge.

(viii) Maximum plume dispersion is expected to 310 m in worst case scenario (considering 1057m3/h) as per the effluent dispersion modelling study carried out by NIO.

(ix) Fishing areas for the local fishermen are about 1000 m away from the proposed discharge location.

(x) Based on marine studies it is recommended that the treated effluents of 1057 m3/h having density 1001 kg/m3 generated by the M/s JSW steel plant, Dolvi, may be released at Lat : 18° 42' 16.30" N; Long : 73° 01' 41.40" E through four port diffuser.

(xi) The diffuser specifications are recommended as follows: Inner diameter of ports = 0.1766 m, No of ports = 4, Port elevation from sea bed = 0.5 m, Angle of port = 15°, Minimum distance between ports = 4.0 m, Jet Velocity = 3.0 m/s.

(xii) Treated effluents will be collected in the sump which will be located at south side of the plant boundary and will be pumped to Amba Estuary. The total maximum discharge water considered for study is 1,057m3/h. However, the planning for actual discharge is 615 m3/h. Type of pump - Vertical Centrifugal Pumps.

(xiii) Discharge - Cross country pipeline laid along the existing conveyor feeding raw material to steel plant from M/s JSW Dharantar Port. Final discharge location of treated waste water as per the location decided by NIO through waste water dispersion modelling study. Online effluent analyser provided and connected to MPCB & CPCB.

(xiv) A comprehensive marine quality monitoring program shall include monitoring parameters of Water quality, Sediment quality and Flora & Fauna.

(xv) Approximately 10 KLD water will be required for drinking and construction purpose which will be sourced from existing water supply system. The JSW Steel Ltd has water supply approved from Irrigation Department of Government of Maharashtra.

(xvi) Approximately 6 kg/day of domestic solid waste is estimated to be generated from labour. The solid waste will be disposed to authorized recycler.

(xvii) Treated effluents will be collected in the sump which will be located at south side of the plant boundary and will be pumped to Amba Estuary. The total maximum discharge water considered for study is 1,057m3/h. However the planning for actual discharge is 615 m3/h.

(xviii) M/s JSW steel, Dolvi has been carrying out Mangrove plantation since 2016 by involving local women community. In 2016-2017 it has planted 105000 plants in 2017-2018 it has planted 3,00,000 plants. In 2018-2019 around 3,00,000 mangroves plantation is planned and in 2019-2020 it will plant another 3,00,000 mangroves.

(xix) The Baseline Monitoring Locations :

Monitoring location	Station no.	Geographic Co-ordinates
Amba Estuary mouth	1	18° 49' 59.16"N; 72° 56' 39.48"E
Patalganga estuary mouth	2	18° 48' 40.26"N; 72° 58' 29.94"E
Ganeshpuri	3	18° 46' 09.42"N; 72° 59' 35.34"E
RIL DP	4	18° 45' 08.58"N; 72° 59' 06.48"E
Dharantar port	5	18° 42' 10.44"N; 73° 01' 42.60"E
Upper estuary	6	18° 36' 10.20"N; 73° 05' 08.82"E
Upper estuary	7	18° 32' 44.28"N; 73° 07' 46.26"E
Kasumata devi mandir	8	18° 41' 43.00"N; 73° 01' 39.50"E

(xx) About 25 of employment likely to be generated by the project and estimated cost of the project is ₹22.3 Crores.

(xxi) The Maharashtra Coastal Zone Management Authority intimated that the route of pipeline falls largely in the CRZ III area, the pipeline falls at the river end in CRZ IB, CRZ IVB area and activity is a permissible as per CRZ Notification 2011. The Maharashtra Coastal Zone Management Authority has recommended the proposal for CRZ clearance vide its Letter No. CRZ 2020/CR86/TC4 dated 22/06/2022.

4. The Committee made detailed deliberation on the proposal. The Committee noted that the proposed discharge of treated effluent and the discharge system shall be discontinued post commissioning of ZLD system by 2025. The Committee also noted that the MCZMA recommended and intimated that the route of pipeline falls largely in the CRZ III area, the pipeline falls at the river end in CRZ IB, CRZ IVB area and activity is a permissible as per CRZ Notification 2011. The PP shall ensure that the treated effluent discharge into sea / marine outfalls as per the prescribed standards of by CPCB / SPBC. The Committee further also advised to PP forward immediately by e-mail to all EAC Members about the detail of the untreated and treated effluent quality of various parameters for the present effluent stream from the plant. The same has been submitted by PP vide e-mail / letter No. Nil, dated 07/02/2023 and same also circulated to all EAC members including MoEFCC and also accepted by EAC while approving the minutes.

The Committee after detailed deliberations and considering the submissions made by the project proponent recommended the proposal for CRZ Clearance, subject to certain terms and conditions.

5. Based on the recommendation of the Maharashtra Coastal Zone Management Authority and considering the submissions made by the project proponent, the Ministry of Environment, Forest

and Climate Change, in acceptance of the recommendations of the Expert Appraisal Committee (CRZ), hereby accords CRZ Clearance to the project for **Installation of Discharge of Treated Effluent System from Integrated Steel Plant at JSW Steel Ltd into Amba Estuary at Dolvi, Taluka Pen, District Raigad, Maharashtra by M/s JSW Steel Ltd.**, under the provisions of the CRZ Notification, 2019 and amendments thereto, subject to the compliance of terms and conditions as under :-

PART A - SPECIFIC CONDITIONS :

(i) All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.

(ii) The proposed discharge of treated effluent and the discharge system shall be discontinued post commissioning of ZLD system by the end of year 2025 and dismantling the pipeline and all the associated infrastructure.

(iii) The monitoring plan should be prepared for the automated water quality after discharge of treated water into Amba estuary and six monthly monitoring reports should be submitted to Regional Office of MoEFCC.

(iv) M/s JSW Steel Ltd. should comply with the effluent dispersion modelling study carried out by the NIO in January 2019 to predict the maximum dilution of the treated effluent around the point of discharge in Amba Estuary.

(v) M/s JSW Steel Ltd. should strictly ensure disposal of treated effluent discharge into Sea or marine outfalls to the prescribed standards of CPCB / SPBC.

(vi) No storage reservoir for sea water shall be permitted and only pipelines conveyance system shall be installed.

(vii) Any temporary physical infrastructure setup and excavated material during laying of Pipelines shall not be dumped in water bodies or adjacent areas and the site shall be restored to its original condition after completion of construction of work.

(viii) No groundwater shall be extracted within the CR2 area to meet the water requirements during the construction and/or operation phase of the project.

(ix) Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.

(x) All the conditions stipulated by the Maharashtra Coastal Zone Management Authority for CRZ clearance 2011 vide its Letter No. CRZ 2020/CR86/TC4 dated 22/06/2022 and commitments made by the PP before the MCZMA and EAC shall be followed in letter and spirit.

(xi) All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.

PART B - GENERAL CONDITIONS :

(i) Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be strictly implemented.

(ii) 'Consent to Establish' and/or 'Consent to Operate' shall be obtained from State Pollution Control Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and/or the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.

(iii) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of Competent Authority.

(iv) All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central/State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea/coastal water bodies. It shall be ensured that the wastewater generated is treated in the STP as committed by the project proponent. The treated waste water shall be reused for landscaping, flushing and/or HVAC cooling purposes etc. within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of standard parameters of the effluent discharge from STP under intimation to the SPCB.

(v) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

(vi) A copy of the clearance letter shall be uploaded on the website of the concerned State Coastal Zone Management Authority/State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office/Tehsildar's Office for 30 days.

(vii) A six-monthly monitoring report shall need to be submitted by the project proponent to the concerned Regional Office of this Ministry regarding the implementation of the stipulated conditions.

(viii) The Ministry of Environment, Forest & Climate Change or any other Competent Authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.

(ix) Full co-operation shall be extended to the officials from the Regional Office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned Regional Office of MoEF&CC.

(x) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

(xi) The Ministry reserves the right to add additional safeguard measures subsequently, if considered necessary, and to take action to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner, including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, for non-compliance.

(xii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the respective Competent Authorities.

(xiii) The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <https://parivesh.nic.in> The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the concerned Regional Office of this Ministry.

(xiv) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.

(xv) The proponent shall upload the status of compliance of the stipulated conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.

(xvi) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the project proponent along with the status of compliance of clearance conditions and shall also be sent to the respective Regional Office of the Ministry by e-mail.

6. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

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

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

9. Any appeal against this CRZ clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

10. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

11. This issues with approval of the Competent Authority.

**Sd/-
(Dr. H. Kharkwal)
Scientist 'E' (CRZ)**

Copy to :

- The Principal Secretary, Environment Department, Government of Maharashtra, Annexe Building, Mantralaya, Mumbai-400 032, Maharashtra.
- The Deputy DGF (C), MoEF&CC Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-440 001, Maharashtra.
- The Member Secretary, Maharashtra Coastal Zone Management Authority (MCZMA), Environment and Climate Change Department, 15th Floor, New Administrative Building, Mantralaya, Mumbai-400 032, Maharashtra.
- The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110 032.
- The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th Floor, Opp. Cane Planet, Sion Circle, Mumbai-400 022, Maharashtra.
- Guard File/Monitoring File/Website/Record File.

**Sd/-
(Dr. H. Kharkwal)
Scientist 'E' (CRZ)**

अभिनव शेतकरी शिक्षण मंडळ, सार्वजनिक न्यास नोंदणी क्रमांक ई-४३७ (ठाणे)
निवडणूक कार्यक्रम

अ.क्र.	तपशिल	दिनांक व वेळ
1	अभिनव शेतकरी शिक्षण मंडळ, नो. क्र. ई-४३७ (ठाणे) या न्यासाची निवडणूक कार्यक्रम प्रसिध्द करणे :-	दि. १२/०४/२०२३ सकाळी ११.०० ते सायंकाळी ०६.०० वाजेपर्यंत स्थळ - 1) सार्वजनिक न्यास नोंदणी कार्यालय, ठाणे विभाग, ठाणे, वेस्ट व्यू, ६ मजला, राम मारुती रोड, गजानन महाराज मंदिराजवळ, ठाणे (प), नं. ४०० ६०२. व 2) अभिनव शेतकरी शिक्षण मंडळ, नो. क्र. ई-४३७ (ठाणे), अभिनव शिक्षण संकुल, गोडदेव, भाईंदर (पूर्वी), जिल्हा ठाणे -४०१ १०५ दोन्ही कार्यालयाच्या नोंदीस बोर्द्वर. ३) वृत्तपत्र :- 1) फ्री प्रेस जर्नल (इंग्रजी) 2) नव शक्ती (मराठी)
2	उमेदवारी अर्ज प्राप्त करण घेण्याचे ठिकाण, दिनांक व वेळ :-	दि. १४/०४/२०२३ सकाळी ११.०० ते सायंकाळी ०५.०० वाजेपर्यंत स्थळ- श्री किशोर बा. चव्हाण, निवडणूक अधिकारी तथा निरीक्षक सार्वजनिक न्यास नोंदणी कार्यालय, ठाणे विभाग, ठाणे, वेस्ट व्यू, ६ मजला, राम मारुती रोड, गजानन महाराज मंदिराजवळ, ठाणे (प), पिन नं. ४००६०२
3	प्रत्यक्ष स्वतः उमेदवारी अर्ज दाखल करणे करिताचे ठिकाण, दिनांक व वेळ :- अर्ज सोबत देण्यात आलेले प्रतिज्ञापत्र (रजिस्टर नोटरी) तसेच स्वतःचे आधार कार्ड / पॅनकार्ड सांक्षारिक करण अर्जसोबत जोडणे आवश्यक आहे.	दि. २०/०४/२०२३ सकाळी ११.०० ते सायंकाळी ० ५.०० वाजेपर्यंत स्थळ- श्री किशोर बा. चव्हाण, निवडणूक अधिकारी तथा निरीक्षक सार्वजनिक न्यास नोंदणी कार्यालय, ठाणे विभाग, ठाणे, वेस्ट व्यू, ६ मजला, राम मारुती रोड, गजानन महाराज मंदिराजवळ, ठाणे (प), पिन नं. ४०० ६०२.
4	उमेदवारी अर्ज मागे घेणे करिताचे ठिकाण, दिनांक व वेळ :-	दि. २४/०४/२०२३ सकाळी ११.०० ते सायंकाळी ०४.०० वाजेपर्यंत स्थळ- श्री किशोर बा. चव्हाण, निवडणूक अधिकारी तथा निरीक्षक सार्वजनिक न्यास नोंदणी कार्यालय, ठाणे विभाग, ठाणे, वेस्ट व्यू, ६ मजला, राम मारुती रोड, गजानन महाराज मंदिराजवळ, ठाणे (प), पिन नं. ४०० ६०२.
5	निवडणूकीसाठी उभे असलेल्या उमेदवारांची अंतीम यादी प्रसिध्द करणे.	दि. २५/०४/२०२३ सकाळी ११.०० ते सायंकाळी ०६.०० वाजेपर्यंत स्थळ- सार्वजनिक न्यास नोंदणी कार्यालय, ठाणे विभाग, ठाणे, वेस्ट व्यू, ६ मजला, राम मारुती रोड, गजानन महाराज मंदिराजवळ, ठाणे (प), पिन नं. ४०० ६०२ येथील नोंदीस बोर्द्वर.
6	मतदानाचा दिनांक व वेळ (मतदान स्थळ)	दि. २९/०४/२०२३ सकाळी ०९.०० ते ४.०० वाजेपर्यंत स्थळ :- अभिनव शेतकरी शिक्षण मंडळ, नो. क्र. ई-४३७ (ठाणे), प्रासाकीय इमारत, इमारत क्र.१, अभिनव शिक्षण संकुल, गोडदेव गांव, भाईंदर (पूर्वी), जिल्हा ठाणे-४०१ १०५.
7	मतमोजणी दिनांक व वेळ (मतदान स्थळ)	दि. २९/०४/२०२३ सकाळी ०४.३० पासून मतमोजणी संपेपर्यंत स्थळ :- अभिनव शेतकरी शिक्षण मंडळ, नो. क्र. ई-४३७ (ठाणे), प्रासाकीय इमारत, इमारत क्र.१, अभिनव शिक्षण संकुल, गोडदेव गांव, भाईंदर (पूर्वी), जिल्हा ठाणे-४०१ १०५.
8	निकाळची घोषणा	दि. २९/०४/२०२३ मतमोजणी संपल्यानंतर स्थळ :- अभिनव शेतकरी शिक्षण मंडळ, नो. क्र. ई-४३७ (ठाणे), प्रासाकीय इमारत, इमारत क्र.१, अभिनव शिक्षण संकुल, गोडदेव गांव, भाईंदर (पूर्वी), जिल्हा ठाणे-४०१ १०५.

टिप:-

- वरील निवडणूक कार्यक्रमानुसार सदर निवडणूकीत भाग घ्यायच्या असेल त्यांनी नमूद पत्त्यावर प्रत्यक्ष स्वतः संपर्क साधावा.
- सार्वजनिक न्यास नोंदणी कार्यालय, ठाणे विभाग, ठाणे, वेस्ट व्यू, ६ मजला, राम मारुती रोड, गजानन महाराज मंदिराजवळ, ठाणे (प), पिन नं. ४०० ६०२, येथे प्रत्यक्ष स्वतः हजर राहून श्री किशोर चव्हाण, निवडणूक अधिकारी तथा निरीक्षक, यांचेकडून उमेदवारी अर्ज प्राप्त करून घ्यावेत. सोबत मुळ ओळखपत्र (आधार कार्ड, पॅन कार्ड, इंडव्हिडुअल लासर्सन) आणणे अनिवार्य असेल.
- अर्ज घेण्या-या उमेदवाराचे नांव दि.०५/०१/२०२३ रोजी प्रसिध्द केलेल्या अंतीम मतदार (सभासद) यादी मध्ये असेणे अनिवार्य आहे.
- सार्वजनिक न्यास नोंदणी कार्यालय, ठाणे विभाग, ठाणे, वेस्ट व्यू, ६ मजला, राम मारुती रोड, गजानन महाराज मंदिराजवळ, ठाणे (प), पिन नं. ४०० ६०२, येथे प्रत्यक्ष स्वतः हजर राहून श्री किशोर चव्हाण, निवडणूक अधिकारी तथा निरीक्षक, यांचेकडे उमेदवारी अर्ज दाखल करण्यात यावेत. येताना सोबत मुळ ओळखपत्र व त्याच्या छायांकित प्रती आणणे अनिवार्य आहे.
- उमेदवारी अर्ज मागरी वेळेवेळी उमेदवाराचे स्वतः निवडणूक अधिकारी यांचे समोर उपस्थित राहणे आवश्यक आहे.
- सभासदांनी मतदानास येताना निवडणूक आयोगाने मान्य केलेल्या ओळखपत्रांच्या पुरत्या पैकी एक ओळखपत्र पुरता म्हणुण सोबत आणणे आवश्यक आहे. अन्यथा त्यांना मतदान करता येणार नाही.
- सदर निवडणूक ही खालील पदांकरीता घेण्यात येतील.
सभासद - १५ पदांसाठी, (वटनेतील कलम ९(२) अन्वये व्यवस्थापक मंडळाची)
- ऐनेवेळी येण-या परिस्थितीनुसार निवडणूक कार्यक्रमात बदल करायच्या झाल्यास निवडणूक अधिकारी यांनी वेळेला निर्णय अंतिम राहील.

**आपला विश्वासू,
(कि.बा. चव्हाण)
निवडणूक अधिकारी तथा निरीक्षक
(अभिनव शेतकरी शिक्षण मंडळ)
सार्वजनिक न्यास नोंदणी कार्यालय,
ठाणे विभाग, ठाणे.**

ANNEXURE 5

**Copy of Environment Statement submitted to
MPCB for Expansion of Integrated Steel plant 5
MTPA to 10 MTPA and Coke Oven Plant 2**



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000061208

Submitted Date

29-09-2023

PART A

Company Information

Company Name

JSW STEEL LIMITED PHASE II (INTEGRATED STEEL PLANT 5-10 MTPA))

Application UAN number

0000136178

Address

GEETAPURAM DOLVI

Plot no

42,43,50,44,45,54,55,56,33,32,38,49,75

Taluka

PEN

Village

DOLVI VILLAGE

Capital Investment (In lakhs)

1928700

Scale

LARGE

City

PEN

Pincode

402107

Person Name

DR.ANAND RAI

Designation

VICE PRESIDENT (HOD-ENVIRONMENT)

Telephone Number

02143663200

Fax Number

00000

Email

anand.raai@jsw.in

Region

SRO-Raigad II

Industry Category

Red

Industry Type

R53 Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units

Last Environmental statement submitted online

yes

Consent Number

Format 1.0/CAC /UAN
NO.0000136178/CR- 230300

Consent Issue Date

2023-03-08

Consent Valid Upto

2023-04-30

Establishment Year

2021

Date of last environment statement submitted

Sep 29 2022 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

CALCINATED LIME

Consent Quantity

1800

Actual Quantity

1573

UOM

Ton/Ton

PELLET

9000000

6004913

MT/A

CRUDE STEEL

6200000

4009783.54

MT/A

HOT ROLLED COIL

5000000

3573296

MT/A

LIQUID METAL

4500000

4126798

MT/A

POWER GENERATION

245

187.24

Mwh

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	0	0	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	88085.00	40221.00
Domestic	300.00	292.00
All others	73492.00	590.00
Total	161877.00	41103.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	19265	19265	CMD
DOMASTIC EFFLUENT	258	258	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
CALCINATED LIME (M3/UNIT OF PRODUCT)	0140	37.60	MT/A
PELLET (M3/UNIT OF PRODUCT)	0.181	0.122	MT/A
CRUDE STEEL (M3/UNIT OF PRODUCT)	1.288	0.599	MT/A
HOT ROLLED COIL (M3/UNIT OF PRODUCT)	0.384	0.421	MT/A
LIQUID METAL (M3/UNIT OF PRODUCT)	9.39	0.768	MT/A

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
LIME STONE	2.99	453.44	MT/A
PELLET	1.10	1.17	MT/A
COKE	2.06	0.404	MT/A
IRON ORE	0.551	0.045	MT/A
PELLET	4.083	1.17	MT/A
SINTER	3.163	0.691	MT/A
QUARTZ	0.133	0.007	MT/A
DOLOMITE	0.155	267.08	MT/A
LIME STONE	0.104	0.041	MT/A
COAL	0.380	0.0206	MT/A
LIQUID STEEL	0.18	1.029	MT/A
HOT METAL SLAB	5.34	1.122	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
COKE & CPC	0	21852	NM3/Annum
NITROGEN	0	118603109	
NATURAL GAS	0	16762878	NM3/Annum
OXYGEN	0	273951683	NM3/Annum
POWER	0	1060952147	Mwh
LD GAS GENERATION	0	200676993	NM3/Annum
COKE OVEN GAS	0	34923669.93	SCM/Day
COKE	0	1669066.918	Ton/Y
PCI	0	769657.63	Ton/Y
NUT COKE	0	249847.771	Ton/Y
BF GAS	0	2975030590	NM3/Annum

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	0	0	0	0	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Kiln -5 Stack	27.4	21.1	57.8	50	NA
Kiln -6 Stack	33.1	22.3	55.4	50	NA
Kiln -7 Stack	29.2	21.1	57.9	50	NA
PELLET-2 Process ESP Stack	1258.4	26.4	47.2	50	NA
PELLET-2 De Dusting ESP Stack	245.8	24.8	50.5	50	NA
PELLET-2 Storage Bin Stack	64.4	21.3	57.5	50	NA
SMS-2 Secondary De-Dusting Stack	531.0	24.3	51.5	50	NA
HSM-2 Reheating Furnace Stack -1	124.1	17.6	64.8	50	NA
HSM-2 Reheating Furnace Stack -2	23.5	15.9	68.3	50	NA
HSM-2 Fume Exhaust Stack	39.5	17.4	65.1	50	NA
BF-2 Cast House Dedusting System	693.9	21.4	57.2	50	NA
BF-2 Stock House De System Stack-1	859.7	26.8	46.5	50	NA
BF-2 Stock House De System Stack-2	116.3	22.8	54.5	50	NA

BF-2 Stock House De System Stack-3	29.9	21.2	57.7	50	NA
BF-2 Coal Injection Stack	139.2	24.1	51.8	50	NA
BF-2 Pig Iron Granulation Stack	23.4	17.5	65	50	NA
BF-2 Stove stack	137.4	15.1	49.6	50	NA
Boiler Stack 175 MW CPP	62.9	4.8	90.5	50	NA

Part-D

HAZARDOUS WASTES					
1) From Process					
Hazardous Waste Type	Total During Previous Financial year		Total During Current Financial year		UOM
5.1 Used or spent oil	0		57.800		KL/A
5.2 Wastes or residues containing oil	0		10500		Kg/Annum
3.3 Sludge and filters contaminated with oil	0		0.093		MT/A

2) From Pollution Control Facilities					
Hazardous Waste Type	Total During Previous Financial year		Total During Current Financial year		UOM
0	0		0		

Part-E

SOLID WASTES					
1) From Process					
Non Hazardous Waste Type	Total During Previous Financial year		Total During Current Financial year		UOM
K R SLAG	0		21213		MT/A
LD SLAG+ SLAG FROM SMS	0		47871		MT/A
LHF/RDH SLAG	0		51033		MT/A
Bolder Slag generation from Dry Pit	0		118774		MT/A
Slag generation from SGP+GRANULATED SLAG FROM BF	0		1266123		MT/A
SCALE	0		8874		MT/A
REFRACTORY WASTE	0		10442		MT/A
TUNDISH SCALE	0		25523		MT/A
LADLE SKULL	0		12300		MT/A
METALIC SCRAPE	0		35000		MT/A
SCALE FROM LADLE HEATING FURNACE.	0		20		MT/A

2) From Pollution Control Facilities					
Non Hazardous Waste Type	Total During Previous Financial year		Total During Current Financial year		UOM
CALCINATED LIME FINES	0		4265		MT/A
ESP & BAG FILTER DUST	0		19680		MT/A
BAG FILTER DUST	0		19200		MT/A
HSM SLADGE	0		101880		MT/A
BF DUST CATCHER FINES	0		66921		MT/A

BF GCP DUST	0	33450	MT/A
CAST HOUSE DE SYSTEM DUST	0	5380	MT/A
STOCK HOUSE DE SYSTEM DUST	0	5300	MT/A
SMS GCP FINES	0	100267	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	57.800	KL/A	SOLD TO MPCB ATHORISED RECYCLYER
5.2 Wastes or residues containing oil	10550	Kg/Annum	USED IN FURNACE
3.3 Sludge and filters contaminated with oil	0.093	Kg/Annum	USED IN FURNACE

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
K R SLAG	21213	Ton/Y	Used in Cement Plant
LD SLAG+ SLAG FROM SMS	47871	Ton/Y	Used in land development, Road making, Marine Structure & Sand
LHF/RDH SLAG	51033	Ton/Y	Used in Cement Plant
Bolder Slag generation from Dry Pit	118774	Ton/Y	Used in Cement Plant
Slag generation from SGP+GRANULATED SLAG FROM BF	1266123	Ton/Y	Used in Cement Plant
SCALE	8874	Ton/Y	Used at Sinter Plant for Sinter Making
REFRACTORY WASTE	10442	Ton/Y	Used in SMS
TUNDISH SCALE	25523	Ton/Y	Used in SMS
LADLE SKULL	12300	Ton/Y	Used in SMS
METALIC SCRAPE	35000	Ton/Y	Used in SMS
SCALE FROM LADLE HEATING FURNACE.	20	Ton/Y	Reuse in the Sinter / Pellet Plant
CALCINATED LIME FINES	4265	Ton/Y	Used at Sinter Plant for Sinter Making
ESP & BAG FILTER DUST	19680	Ton/Y	Used at Sinter Plant for Sinter Making
BAG FILTER DUST	19200	Ton/Y	Used at Sinter Plant for Sinter Making
HSM SLADGE	101880	Ton/Y	Used at Sinter / Pellet Plant
BF DUST CATCHER FINES	66921	Ton/Y	Used at Sinter Plant for Sinter Making
BF GCP DUST	33450	Ton/Y	Used at Sinter Plant for Sinter Making
CAST HOUSE DE SYSTEM DUST	5380	Ton/Y	Used at Sinter Plant for Sinter Making
STOCK HOUSE DE SYSTEM DUST	5300	Ton/Y	Used at Sinter Plant for Sinter Making
SMS GCP FINES	100267	Ton/Y	Used at Sinter / Pellet Plant

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	0	1928700	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.
[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

[B] Investment Proposed for next Year		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

The company is well aware of surrounding Environment. JSW Steel Limited has planted large number of trees in the plant premises as per the guidelines given by MPCB. We are maintaining the full-fledged Nursery managed by a qualified Horticulture Officers to develop plants for our in house requirement. Till date about 210911 Nos. big trees and 707740 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

DR.ANAND RAI VICE PRESIDENT(HOD ENVIRONMENT)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000061208

Submitted On:

29-09-2023



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000057199

Submitted Date

11-09-2023

PART A

Company Information

Company Name

JSW STEEL LIMITED (COKE OVEN PLANT II)
)BATTERY A& B(CAPACITY-1.5 MTPA

Application UAN number

00001021477

Address

GEETAPURM DOLVI

Plot no

33,34,27,28

Taluka

PEN

Village

KHARKARAV VILLAGE

Capital Investment (In lakhs)

159700

Scale

LARGE

City

PEN

Pincode

402107

Person Name

DR.ANAND RAI

Designation

VICE PRESIDENT(HOD ENVIRONMENT)

Telephone Number

02143277501

Fax Number

2143277542

Email

anand.raai@jsw.in

Region

SRO-Raigad II

Industry Category

Red

Industry Type

R19 Coke making , liquefaction, coal tar distillation or fuel gas making

Last Environmental statement submitted online

yes

Consent Number

Format 1.0/CAC/UAN
NO.0000101988/CR- 2110000975

Consent Issue Date

2021-10-21

Consent Valid Upto

2022-12-31

Establishment Year

2018

Date of last environment statement submitted

Sep 9 2022 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

DRY COKE

Consent Quantity

1500000

Actual Quantity

1141346

UOM

MT/A

By-product Information

By Product Name

COKE OVEN GAS

Consent Quantity

75000

Actual Quantity

573648.10

UOM

NM3/Annum

TAR

65693

51886

MT/A

Benzol

18624

6666

MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day		
Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
	0.00	0.00
Cooling	9216.00	4361.00
Domestic	60.00	32.00
All others	0.00	0.00
Total	9276.00	4393.00

2) Effluent Generation in CMD / MLD			
Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT(100%Reutilization in plant)	4176	4176	CMD
DOMASTIC EFFLUENT	38	32	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)			
Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
DRY COKE (M3/UNIT OF PRODUCT)	0	0.0038	MT/A

3) Raw Material Consumption (Consumption of raw material per unit of product)			
Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
HARD COKING COAL	0	0.685	MT/A
SEMI HARD COAL	0	0.408	MT/A
PCI COAL	0	0.083	MT/A
SECONDARY HARD COKING COAL	0	0.206	MT/A
MSK/SMM/NAMOI/COKE FINES	0	0.159	MT/A

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
COKE OVEN GAS	0	126438	SCM/Hr
BF GAS	0	1093279217.5	SCM/Hr

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)					
[A] Water					
Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	0	0	0	0	NA
1NA	0	0	0	0	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
COKE OVEN BATTERY C& D MAIN STACK	491.4	48.3	3.31	50	NA
COKE OVEN BATTERY PUSHING SIDE STACK	29.1	12.0	76.07	50	NA
COKE OVEN BATTERYCHARGING DEDUSTING STACK	23.2	13.6	72.88	50	NA
COAL CRUSHING DE-DUSTING STACK	17.2	22.1	55.73	50	NA
COAL CUTTING DE-DUSTING STACK	20.4	21.5	57.08	50	NA
BUNKAR DEDUSTING STACK	39	25.9	48.13	50	NA
BOILER STACK	22	20.1	60.08	50	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	0	0	Ltr/A
5.2 Wastes or residues containing oil	0	0.447	Ltr/A
13.4 Decanter tank tar sludge	0	67.75	Ltr/A
29.5 Spent catalysts	0	0	MT/A
35.3 Chemical sludge from waste water treatment	0	0	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
COKE BREEZE	0	32482	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Coal and Coke Dust From De-dusting system	0	3072.62	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	35554.62	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0	Ltr/A	NA
5.2 Wastes or residues containing oil	0.447	Ltr/A	NA
13.4 Decanter tank tar sludge	67.75	Ltr/A	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Cock Breeze ,Coal and Coke Dust From De-dusting system	35554.62	Ton/Y	used at sinter plantfor sinter making

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	0	159700	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

The company is well aware of surrounding Environment. JSW Steel Limited has planted large number of trees in the plant premises as per the guidelines given by MPCB. We are maintaining the full-fledged Nursery managed by a qualified Horticulture Officers to develop plants for our in house requirement. Till date about 210911 Nos. big trees and 707740 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

DR.ANAND RAI VICE PRESIDENT (HOD-ENVIRONMENT)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000057199

Submitted On:

11-09-2023



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000050144

Submitted Date

30-09-2022

PART A

Company Information

Company Name

JSW STEEL LIMITED (COKE OVEN PLANT II)
)BATTERY C& D(CAPACITY-1.5 MTPA

Application UAN number

00001021477

Address

GEETAPURM DOLVI

Plot no

91 TO 113

Taluka

PEN

Village

KHARKARAV VILLAGE

Capital Investment (In lakhs)

183511

Scale

LARGE

City

PEN

Pincode

402107

Person Name

DR.ANAND RAI

Designation

VICE PRESIDENT(HOD ENVIRONMENT)

Telephone Number

02143277501

Fax Number

2143277542

Email

anand.raai@jsw.in

Region

SRO-Raigad II

Industry Category

Red

Industry Type

R53 Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units

Last Environmental statement submitted online

yes

Consent Number

Format 1.0/CAC/UAN
NO.0000121477/CO 2209000929

Consent Issue Date

2022-09-15

Consent Valid Upto

2022-12-31

Establishment Year

2021

Date of last environment statement submitted

Jan 1 1900 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

DRY COKE

Consent Quantity

1500000

Actual Quantity

901553

UOM

MT/A

By-product Information

By Product Name

COKE OVEN GAS

Consent Quantity

75000

Actual Quantity

44630.29

UOM

M3/Anum

TAR

65693

33494

MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day		
Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
	0.00	0.00
Cooling	9216.00	3244.42
Domestic	60.00	38.00
All others	0.00	0.00
Total	9276.00	3282.42

2) Effluent Generation in CMD / MLD			
Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	4176	4176	CMD
DOMASTIC EFFLUENT	38	32	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)			
Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
DRY COKE (M3/UNIT OF PRODUCT)	0	0.259	MT/A

3) Raw Material Consumption (Consumption of raw material per unit of product)			
Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
HARD COKING COAL	0	0.63	MT/A
SEMI HARD COAL	0	0.44	MT/A
PCI COAL	0	0.088	MT/A
SECONDARY HARD COKING COAL	0	0.169	MT/A
COKE FINES	0	0.084	MT/A

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
COKE OVEN GAS	0	465120	M3/Anum
BF GAS	0	912480	M3/Anum

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)					
[A] Water					
Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
NA	0	0	%variation	0	NA

[B] Air (Stack)			
Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons

	Quantity	Concentration	%variation	Standard	Reason
COKE OVEN BATTERY C& D MAIN STACK	197.7	42.6	14.72	50	NA
COKE OVEN BATTERY PUSHING SIDE STACK	16.2	13.6	72.75	50	NA
COKE OVEN BATTERYCHARGING DEDUSTING STACK	19.3	17.6	64.75	50	NA
COAL CRUSHING DE-DUSTING STACK	12.4	21.3	57.40	50	NA
COAL CUTTING DE-DUSTING STACK	12.0	22.6	54.75	50	NA
BUNKAR DEDUSTING STACK	13.5	21.5	56.97	50	NA
BOILER STACK	18.9	21.1	57.75	50	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	0	0	Ltr/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
COKE BREEZE	0	16210	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Ton/Y

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0	Ltr/A	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	0	Ton/Y	NA

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	0	183511	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.
[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

[B] Investment Proposed for next Year		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

The company is well aware of surrounding Environment. JSW Steel Limited has planted large number of trees in the plant premises as per the guidelines given by MPCB. We are maintaining the full-fledged Nursery managed by a qualified Horticulture Officers to develop plants for our in house requirement. Till date about 205489 Nos. big trees and 616372 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

DR.ANAND RAI VICE PRESIDENT (HOD-ENVIRONMENT)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000050144

Submitted On:

30-09-2022