



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Maharashtra)

To,

The Executive Plant Head (Khopoli & Hosur)
TATA STEEL BSL LIMITED
Savroli Kharpada Road Tal. Khalapur, Dist -Raigad, Maharashtra State, Pin
-410203 -410203

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/MH/IND/68047/2021 dated 04 Aug 2022. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|------------------------|
| 1. EC Identification No. | EC24B000MH163028 |
| 2. File No. | SIA/MH/IND/68047/2021 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including
Schedule No. | N/A |
| 6. Name of Project | |
| 7. Name of Company/Organization | TATA STEEL BSL LIMITED |
| 8. Location of Project | Maharashtra |
| 9. TOR Date | 23 Mar 2022 |

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

Date: 05/01/2024

(e-signed)
Pravin C. Darade , I.A.S.
Member Secretary
SEIAA - (Maharashtra)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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and Virtuous Environmental Single-Window Hub)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND/68047/2021
Environment & Climate Change
Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s. TATA Steel Ltd.,
Village - Savroli, Po. Sajgaon,
Tehsil - Khalapur, District – Raigad.

Subject : Environment Clearance for Regularization of existing rolling mills for the production of CR coils & Sheets (180000 TPA); Galvanised/Galume Coils & Sheets (360000 TPA); Colour Coated (Repainted) Coils & Sheets (120000 TPA); Pipes & Tubes (120000 TPA); API pipes (285000 TPA) located at Village - Savroli, Po. Sajgaon, Tehsil - Khalapur, District - Raigad, Maharashtra - 410 203 by M/s. TATA Steel Ltd

Reference : Application no. SIA/MH/IND/68047/2021

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-1 in its 230th meeting under screening category 3 (a) B1 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 269th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 3rd November, 2023.

2. **Brief Information of the project submitted by you is as below:-**

Sr. No.	Particulars Required	Details
1	Name of the project & Address along with all corner latitude and longitude	Production Facilities For CR Coils & Sheets (180000 TPA); Galvanized/ Galume Coils & Sheets (360000 TPA); Color Coated (Repainted) Coils & Sheets (120000 TPA); Pipes & Tubes (120000 TPA); API Pipes, Pipe, Pipe For Low Pressure Service, Round Pipe & Tube for Mechanical and Structural Pipe and Square Structural Pipe (285000 TPA); Captive Power Plant (24 MW) At Village - Savroli, Po. Sajgaon, Tehsil - Khalapur, Dist.- Raigad - 410 203, Maharashtra by M/s. Tata Steel Limited, Khopoli. Latitude: 18°47'59.07" N, Longitude: 73°17'25.27" E Toposheet No.: 47F/1,2,5 & 6
2	Type of Organization (Private/ Government/ Semi Government, etc.)	Private
3	Correspondence Address and contact details of Project Proponent	Mr. Kapil Modi Executive Plant Head

		Tata Steel Ltd., Khopoli Vill. Savroli, Po. Sajgaon, Teh. Khalapur, Dist. - Raigad, Maharashtra, 410203, Email: environment.khopoli@tatasteel.com ; siba.panda@tatasteel.com Phone: +91-9765558116
4	Type of project (ToR/EC/Amendment in ToR/Amendment in EC/ Revalidation/ Expansion/Process change etc.)	EC
5	Category of project as per EIA Notification 2006 amended from time to time (Pl. mention category A,B,B1,B2, etc. whichever is applicable)	B1
6	If earlier ToR is obtained pl. mention details (ToR letter No. & Date, SEAC/ EAC Meeting No.)	Vide letter No. SIA/MH/IND/68047/2021 dtd. 23 rd March, 2022. 215 th Meeting of SEAC-1 and 238 th (Day-4) Meeting of SEIAA, Maharashtra.
7	If earlier EC is obtained pl. mention EC Number & Date	Not Applicable
8	Whether the proposal is a violation case(yes/no)	No
9	Applicability of CRZ clearance (yes/no)	No
10	Whether General/ Specific Conditions are applicable to the project (Yes/No)If yes, pl. give details	No
11	Whether Scrutiny fees paid as per SEIAA guidelines (Yes/No); If yes pl. give payment details	Yes Rs. 30 Lakhs paid on 19.12.2021 to SEIAA/SEAC Secretariat. Transaction ID - N343211746493062
12	Name of accredited Environmental Consultant & address along with Accreditation No. & Validity	M/s. Anacon Laboratories Pvt. Ltd., Nagpur. Accreditation Certificate No. NABET/EIA/2023/SA 0160 dtd. 13 th April, 2022, Valid till 29 th March, 2023.
13	Name of layout plan approving Authority	Jt. Director, Industrial Safety & Health, Govt. of MS, Dist. Raigad
14	Estimated cost of Project (in Rs. Lakhs)	The total project cost is Rs. 3149.39 Crores in gross block assets as on 31 st Aug, 21.
15	Area of project (in Sq.m.)	631100 (63.11 Hect.)
16	Whether 33% green belt is provided (Yes/No)	Yes
17	Area of Green Belt & No.of trees in the proposed project in Sq.m.(Pl. provide 2000 trees per	11. 18.64 Ha. of green belt is already developed in the plant premises. 2.18 Ha. greenbelt will be proposed to

	hectare of green belt area)	developed which meets 33% of green belt as per EC & CTO compliance. Total 52050 Nos. of plantation will be done in a total land area of 20.82 Ha.					
18	Width of internal roads and turning radius	Width (API)-14.100m, API west side-12.600m, Between TM & wider-17.200m, TM & belgate-16.000m, TM & NCRM-15.000m, NCRM pickling side-6.000m, Main gate entry-18.400m, NCRM southside-8.700m, wider east side-21.200m, ADM front side-10.800m, SC northside-8.500m, SC west side-11.000m, SC southside-10.000m, SC eastside-12.000m, wider west side- 9.900m, wider southside-6.000m Turning radius- at TM & wider: 18.000m, NCRM pickling-9.000m, Substation corner: 18.000m, wider to SC - 11.000m, API corner-25.000m					
19	Details of proposed construction	Total Built-up Area (in Sq.m)	320100 Sq.m				
		No. of Buildings & its height in mtrs.	No of Buildings- 29 (considering NCRM-01, wider-01 etc.) NCRM shed ht-17m, CRM anealing-24.2m TM shed ht-15.5m; Wider#01-21.5m, Wider#02&03-25m; Wider#04-52m, Wider#5&6- 17.5m; wider#7,8- 23.5m SC shed ht-17.5m; ARP shed-27m Oxide shed-9.2m; DG-23m Amm.shed-20.7m; API-1 shed-21.75m API-2 ht-22m				
20	List of Raw materials & Storage Details						
	Sr. No	Name of Raw material	Consumption TPA	Maximum Storage Details	Hazard category	Proposed Precautions to prevent accident	Remarks
	1.	Hot Rolled(HR)Coil	1150000		Falling, Hitting Saddles provided in storage area	Saddles provided in storage area	
	2.	Zinc	15500				The raw material is stored/storing under covered shed
	3.	Hydrochloric Acid(HCL)	3000				
	4.	Chromic Acid	85				
	5.	Alkali	50				
	6.	Rolling Oil(KL)	275			Oil store separately	
	7.	Rust preventive oil(KL)	350				
	8.	Poly Propylene	6600				

	Ethylene				
9.	Epoxy & Adhesive	1200			
10.	Aluminium Silicon (Premix)	4000			
11.	Paint(KL)	5500			

21 Production Details

Sr. No.	Name of Product	Existing Capacity TPA	Total Capacity TPA	Name of Product approving authority (like FDA of pharmaceuticals, etc.)
1.	Cold rolled products (Coils, Sheets & Tubes)	780000	780000	ISI
2.	Tubes, API Pipe, Casting Pipe, Pipe for low pressure service, Round Pipe & Tube for Mechanical and Structural Pipe and Square Structural Pipe	285000	285000	ISI
3.	Captive Power Plant	24 MW	24 MW	Electricity Inspector

22 Water Consumption & Effluent generation (All units in CMD)

i) Source & Qty of water requirement (in CMD):
 The water requirement 4130 KLD is fulfilled by surface water source from Patal ganga river.

ii) Water supply permission obtained (Yes/No) & approving Authority:
Yes
 Approving Authority- Required permission for water abstraction for (4540 KLD) is taken from the irrigation department, Govt. of MH.

Particulars	Consumption (CMD)			Loss (CMD)			Effluent generation (CMD)		
	Existing	Proposed (Full capacity)	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Processes	2660	0	2660	2300	0	2300	360	0	360
Industrial cooling									
Drinking & Domestic Purpose in	400	0	400	80	0	80	320	0	320

Industry									
Greenbelt/ Misc.	150 (STP treated water)	0	150 (STP treated water)	0	0	0	-	-	-
other (specify if any)- (1) Colony and periphe ral domest ic and drinkin g use (2) Colony domest ic use, etc	1530	0	1530	1530	0	1530	Colony STP	0	0
Total	4590	0	4590	3910	0	3910	680	0	680
Note: For Industrial Purpose 2660 KLD in which 2200 Fresh water and 460 recycle water									
23	Quantity of sewage generation (in CMD)			320 CMD					
24	Details of Sewage Treatment and Disposal of treated sewage:			The wastewater generated from domestic usage is being treated in STP (capacity - 350 KLD) at plant, out of this 150 KLD used for irrigation purposes within plant.					
25	Detail of Effluent Generation(unit CMD)								
	Particula rs			Existing	Proposed	Total			
	a) Qty. of Effluent generation:(CMD)			360 CMD	0	360 CMD			
	b) Qty. of high TDS/COD effluent:(CMD)			-	-	All Recycling and utilizing in process through RO based ETP and MEEP.			
	c) Qty. of low TDS/COD effluent:(CMD)			-	-				
26	Whether Zero liquid Discharge Effluent Treatment is proposed(Yes/No)				Yes				
27	Brief Description of Effluent Treatment scheme				The plant is being operated complying zero liquid discharge condition. Waste water generated in the process is treated in Effluent Treatment plant (Capacity - 400 KLD) followed by reverse osmosis stage - I, stage - II capacity (capacity - 430 KLD) & Multiple effect evaporator (capacity - 100 KLD). Both the RO and MEE output /				

		treated water is being recycled in cooling tower to make up evaporation loss.						
28	Qty. of treated effluent proposed to be sent to CETP (pl. mention Name of CETP and its membership Details)			NA				
29	Please mention parameters of treated effluent to be achieved as per EP Rule, 1986 and or stipulated by the SPCB							
	Parameter	Inlet concentration (Mg/L)	Outlet concentration (GSR 277(E) 31st March 2012) (mg/L)					
	PH	2.90	6 – 8.5*					
	TSS	132	100					
	CoD	340	250					
	BoD (3 day)	94	30					
	Oil and grease	45	10					
	* Except pH all parameters are in mg/L							
30	Brief Note on proposed Rainwater harvesting scheme along with budget allocation:			Will be provided				
31	Solid Waste management							
	Sr. No	Type of waste	Qty.	Source of Generation	Disposal Methods	Pl. mention plan to reduce solid waste generation if any		
	1	Metal Scrap/Tube/Pipes End/ Edge Milling/Strip Cut Pieces/Cutting Scrap	115000 TPA	process	Through IBMD(Industrial By product management department)	All are utilized by recyclers/preprocessors		
	2.	Empty Drums	24000 Nos./A	process	Through IBMD	All are utilized by recyclers/reprocessors		
	3.	Iron Oxide	4680 TPA	process	Through IBMD	All are utilized by recyclers/reprocessors		
32	Hazardous Waste Generation & Disposal (As per HW Rule 2016)							
	Sr. No	Category	Particulars	Source of Generation (please include Name of Product)	Approx. Existing Qty of generation TPA	Proposed Qty & generation TPA	Total Qty & generation TPA	Method & Disposal as per HW Rules 2016

1.	Sludge and filters contaminated with oil (3.3)	Tank Bottom Sludge	Tank Bottom	228	0	228	Send to authorized Recycler/ CHWTSDF
2.	Used or spent oil (5.1)	Used Oil	Process	144	0	144	Send to authorized Recycler/ CHWTSDF
3.	Wastes or residues containing oil (5.2)	Mill Coolant Sludges & Grinding Dust	Mills	816	0	816	Send to authorized Recycler/ CHWTSDF
4.	Spent solvents (20.2)	Waste Thinner	CCL	44.88	0	44.88	Send to authorized Recycler/ CHWTSDF
5.	Process wastes, residues and Sludges (21.1)	Process Waste	Mills	1.56	0	1.56	Send to authorized Recycler/ CHWTSDF
6.	Zinc fines or dust or ash skimming in dispersible form (6.2)	Zinc/Aluminium/Lead or Dross	Galvanization	1980	0	1980	Send to authorized Recycler/ CHWTSDF
7.	Lead bearing residues (9.1)	Lead Dust		48.24	0	48.24	Send to authorized Recycler/ CHWTSDF
8.	Phosphate sludge (12.5)	Phosphate Sludge	Tube	50.4	0	50.4	Send to authorized Recycler/ CHWTSDF
9.	Chemical sludge from waste water treatment (35.3)	Chemical Sludge From ETP	ETP	3000	0	3000	Send to authorized Recycler/ CHWTSDF
10.	Contaminated cotton rags or other cleaning materials	Oil-Soaked Cotton or Waste	All process	137	0	137	Send to authorized Recycler/ CHWTSDF

	(33.2)						
11.	Empty barrels /containers /liners contaminated with hazardous chemicals /wastes (33.1)	Empty Barrels	CCL, Tube ,WCRM, NCRM,A PI	22104 Numbers/ Annum	0	22104 Numbers/ Annum	Send to authorized Recycler/ CHWTSDF
12.	Acid and Alkali residue (12.1)	Acid and Alkali residue	Process	66 KLD	0	66 KLD	Send to authorized Recycler/ CHWTSDF
13.	Sludge from bath containing organic solvent (12.4)	Sludge from bath containing organic solvent	Process	54.36 TPA	0	54.36 TPA	Send to authorized Recycler/ CHWTSDF

33 Fuel Consumption

Sr. No.	Type of Fuel	Consumption Qty. (TPA)			Used for (Boiler/ DG Set, etc)	Ash%			So2%			Airpollution control/equipment provided(Yes/No)
		Existing	Proposed	Total		Existing	Proposed	Total	Existing	Proposed	Total	
1	Residual Fuel Oil - Low Sulphur Heavy Stock (L.S.H.S.)	44570	0	44570	Captive Power Plant	-	-	-	-	-	-	Yes
2	Re gasified- Liquefied Natural Gas (RLNG)	1312025	0	1312025	Captive Power Plant	-	-	-	-	-	-	
3	Briquet fired Boiler				Captive Power Plant							

34	Brief Note on Air Pollution Control equipment's	<p>Air pollution control equipment's</p> <p>Pipe coating plants are provided with dust collector along with bag filters of adequate capacity.</p> <p>ARP Oxide Bins are provided with FES along with 55 nos. bag filters for pollution control.</p> <p>In 7 nos. of Tube Mill, FES along with 5 nos. of Filters (Baffle, Wire Mesh, Foam, 2 HDPE filters) are provided.</p> <p>Water sprinkling is being used to control the fugitive emissions if observed in internal roads and the same after regularization of existing EC.</p>					
35	<p>Stack Details (Also include process vent details)</p> <p>Plant has provided 32 numbers of existing stack with required assembly.</p>						
Section/ Unit		Source pollutions	Stack No.	Stack height	Height form ground	Internal Diameter (m)	Temperature of exhaust gas
Major Stacks							
DG & Boiler		TPM, SO ₂ , NO _x	S-6	110m	110m	4.600	427 K
Wider Pickling		TPM, SO ₂	S-14	20.0m	20.0m	0.533	330 K
Narrow Pickling		TPM, SO ₂	S-15	20.0m	20.0m	0.533	314 K
ARP Acid Scrubber		TPM, SO ₂	S-24	30.0m	30.0m	0.787	344 K
Tube Div Acid Scrubber		TPM, SO ₂	S-25	13.0m	13.0m	0.356	313 K
Tube Div Phosphate Scrubber		TPM, SO ₂	S-26	13.0m	13.0m	0.356	314 K
Minor Stacks							
Non-Ox Furnace (GP-I)		TPM, SO ₂ , NO _x	S-1	13.0m	13.0m	0.356	357 K
Non-Ox Furnace (GP-II)		TPM, SO ₂ , NO _x	S-2	13.0m	13.0m	0.356	361 K
Pot Furnace (GP-II)		TPM, SO ₂ , NO _x	S-3	13.0m	13.0m	0.356	386 K
RTF Section (GP-II)		TPM, SO ₂ , NO _x	S-4	13.0m	13.0m	0.356	376 K

Coater Section (Colour Coating)	TPM, SO ₂ , NO _x	S-5	13.0m	13.0m	0.356	427 K
Sheet Annealing	TPM, SO ₂ , NO _x	S-7	16.0m	16.0m	0.432	351 K
Hardening Furnace (H&T) I	TPM, SO ₂ , NO _x	S-8	13.0m	13.0 m	0.165	365 K
Hardening Furnace (H&T) II	TPM, SO ₂ , NO _x	S-9	13.0m	13.0m	0.168	361 K
Hardening Furnace (H&T) III	TPM, SO ₂ , NO _x	S-10	13.0m	13.0 m	0.120	376 K
Hardening Furnace (H&T) IV	TPM, SO ₂ , NO _x	S-11	13.0m	13.0 m	0.120	382 K
Tube Annealing - I	TPM, SO ₂ , NO _x	S-12	13.0m	13.0m	0.356	463 K
Tube Annealing - II	TPM, SO ₂ , NO _x	S-13	13.0m	13.0m	0.356	466 K
Chrome Acid fume (Hot & Dryer) wider division GP-II	TPM, SO ₂	S-16	13.0m	13.0m	1.125	333 K
6Hi Mill-II	TPM, SO ₂	S-17	13.0m	13.0m	1.125	338 K
4 Hi Mill-I (Narrow)	TPM, SO ₂	S-18	13.0m	13.0m	0.356	313 K
4 Hi Mill - II (Narrow)	TPM, SO ₂	S-19	13.0m	13.0m	0.356	315 K
4 Hi Mill - III (Narrow)	TPM, SO ₂	S-20	13.0m	13.0m	0.356	316 K
Chrome acid fume (Hot & Dryer) GP-I	TPM, SO ₂	S-22	13.0m	13.0m	0.356	361 K
Chrome acid fume (Hot & Dryer) GP-II	TPM, SO ₂	S-23	13.0m	13.0m	0.356	355 K
Stapping Line (CP) HTSS	TPM, Pb	S-27	13.0m	13.0m	0.356	318 K
Lead Bath (QC) HTSS	TPM, Pb	S-28	13.0m	13.0m	0.356	328 K
Coating plant I (Pipe Plant)	TPM	S-29	22 m	22m	0.584	369 K
Coating plant II (Pipe Plant)	TPM	S-30	22 m	22m	0.584	375 K

	Coating plant III (Pipe Plant)	TPM	S-31	22 m	22m	0.584	375 K										
	Coating plant IV (Pipe Plant)	TPM	S-32	22 m	22m	0.584	381 K										
36	Energy a) Source of power Supply: 24 MW is being be met through captive power plant and Existing power transmission line is being used for power sourcing (20 MVA) from grid. b) Maximum Demand (KVA): 31000 KVA (31 MW is plant maximum reached) c) Whether DG sets will be provided (Yes/No): yes if yes: <table border="1" data-bbox="327 766 1417 898"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th colspan="2">No. of DG Sets</th> <th rowspan="2">Capacity</th> </tr> <tr> <th>Existing</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2 Nos.</td> <td>Nil</td> <td>24MW</td> </tr> </tbody> </table> d) Please Mention if high tension line is passing through the plot: Yes if yes, pl. give details of safety measures adopted: <ol style="list-style-type: none"> No any construction done below HT line Tree branch felling measures taken. 							Sr. No.	No. of DG Sets		Capacity	Existing	Proposed	1.	2 Nos.	Nil	24MW
Sr. No.	No. of DG Sets		Capacity														
	Existing	Proposed															
1.	2 Nos.	Nil	24MW														
37	Details of use of renewable energy with budget allocation i) Renewable Energy Study has been conducted from Competent Authority and renewable energy projects will be taken up in phases ii) Proposed Budget (in Rs. Lakhs): Capital expenditure is being planned.																
38	Details of public hearing (if applicable) i) Place of public hearing: NA ii) Date of public hearing: NA Earlier this unit has obtained EC from govt. of Maharashtra with all statutory conditions and it is an operational unit since 2003 with valid CTE and CTO. As per recent Gazette of India Notification, MoEFCC, New Delhi (S.O, 3250 (E) dtd. 20th July, projects shall be exempted from the requirement of public consultation. Hence, Public hearing not required.																
39	EMP (Please mention specific items proposed in EMP along with specific timeline for its implementation) Construction Phase – NA Operation Phase – It's operational plant, EMP has already been implemented. Approx. recurring cost for maintenance of pollution control equipment and implementing ongoing improvement projects to bring down pollution load further are listed as under ; <table border="1" data-bbox="304 1928 1433 2000"> <thead> <tr> <th>SN</th> <th>Project Name</th> <th>Cost in (lakh)</th> <th>Advantages</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>							SN	Project Name	Cost in (lakh)	Advantages						
SN	Project Name	Cost in (lakh)	Advantages														

1	Purchase and Installation of continuous emission monitoring system (CEMS) for DG stack, For Khopoli Plant	57.00	24 X 7 emission monitoring to ensure no air pollution
2	Supply & Installation of On-line Effluent Quality Monitoring System, Piezometric level Indicator, Flow meter, PTZ Camera & Data transfer to MPCB and CPCB.	17.25	To ensure the ZLD system as per MPCB norms
3	Procurement and installation of Continuous Emission Monitoring system for HCL at ARP water vapour stack	33.28	Continuous emission monitoring for better control on air pollution
4	Rainwater Harvesting (RWH) in Khopoli Plant	700.00	Reduction in fresh water consumption and ground water recharge
5	Installation of Fume Filtration & Exhaust system for Mill No.1 & Mill No.2 at API Plant	42.21	Reduce air pollution. Ensure clean air exhaust in atmosphere
6	Green Belt development in company premises and company own land-Phase II	30.00	Development of Green belt for reduction of carbon di oxide and air purification
	Total	879.74	
Note: TSL, Khopoli is taking the project for further improvement of environment and community development.			
40	Other Relevant Information: (Pl. provide brief note on proposed project)	The proposal is for a regularization of existing production facilities as per as per the Order dated 12 th February, 2020 & MPCB Circular MPCB/ID(APC)/Rolling Mill/TB/B-041 dtd. 20 th July, 2021.	
41	Details of skill development program within Organization	Training Department under HR providing training skill development activities periodically.	
42	Details of environmental Monitoring Cell (Pl. provide organogram with educated Qualification and experience)	Environmental Monitoring Cell already in place	
43	Details of court cases if pending in any Hon'ble court	NA	

3. Proposal is for Regularization of existing rolling mills for the production of CR coils & Sheets (180000 TPA); Galvanised/Galume Coils & Sheets (360000 TPA); Colour Coated (Repainted) Coils & Sheets (120000 TPA); Pipes & Tubes (120000 TPA); API pipes (285000TPA). Proposal has been considered by SEIAA in its 269th (Day-2) meeting held on 3rd November, 2023 and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

SEAC Conditions-

1. PP to ensure that there shall not be any increase in the capacity of rolling mill /coils/sheets/pipes & tubes etc. as presently consented by the Maharashtra Pollution Control Board.
2. PP to carryout soil and ground water sampling analysis based on the identification of control site outside the premises and collect soil and ground water samples in and around the proposed site. PP to choose parameters to be analysed based on the use of raw materials and finished products by the earlier owner of the site and all other parameters including heavy metals. PP to compare these results with the control site result and prepare and implement appropriate mitigation plan to address soil and ground water contamination issue. PP to carry out this study by the reputed credible Government Institute.
3. PP to submit certified copy of certified compliance of existing Consent to Operate to be obtained from the Maharashtra Pollution Control Board.
4. PP to carryout soil sampling analysis based on the identification of control site outside the premises and collect soil samples in and around the proposed site. PP to choose parameters to be analysed based on the use of raw materials and finished products by the earlier owner of the site and all other chemical parameters including heavy metals. PP to compare these results with the control site result and prepare and implement appropriate mitigation plan to address soil contamination issue. PP to carry out this study by the reputed credible Government Institute.
5. PP to provide Zero Liquid Discharge Effluent Treatment Plant. PP to get ZLD design vetted by the reputed Govt. institution like IITs/NITs.
6. PP to obtain permission for Rain Water Harvesting bore pit from the Competent Authority.
7. PP to submit details of proposed solar power use envisaged in the project along with cost estimations.
8. PP to submit adequacy report of all stacks exists on site w.r.t type of fuel, equipment design and height of stack to ensure all emission are under prescribed limits all the time.
9. PP to carry out detailed Quantitative Risk Assessment and submit report along with proposed mitigation measures.
10. PP to prepare and submit VOCs monitoring and control management plan.
11. PP to submit copy of MOU executed with the authorised vendors for disposal of wastes (Hazardous /Non Hazardous) generated on site.
12. PP to obtain necessary tree cutting permission from the Competent Authority before taking any effective steps on site if any tree cutting is envisaged.
13. PP to submit adequacy report of all stacks exists on site w.r.t type of fuel, equipment design and height of stack to ensure all emission are under prescribed limits all the time.
14. PP to ensure to deploy well trained regular employees on all critical/hazardous operations and storages of hazardous chemicals instead of contract workers. Regular safety training to be provided to all such employees.
15. PP to prepare chemical compatibility chart of all chemicals handled, stored on site and ensure its storage/handling as per compatibility.
16. PP to provide Continuous Online Monitoring System connected to the servers of CPCB and MPCB. PP to include VOCs monitoring in the scheduled ambient air monitoring plan.
17. PP ensure to provide adequate space for parking of all types of vehicles including external vehicles carrying raw material and finished products. No vehicle shall be parked on the public road.

18. PP to ensure to prepare and implement On-site and Off-site emergency handling plan. The plan shall be prepared based on the Job Safety Analysis , Risk Assessment etc. Required training to all employees be provided on the emergency handling plans.
19. PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.

SEIAA Conditions

1. PP submitted undertaking dated 31.10.2023 stating that, they have proposed green belt having area of 20.82 Ha which is 33 % of total plot area. Planning authority to ensure the compliance of the same.
2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
3. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
4. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
5. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
6. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
7. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
8. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
9. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
10. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste, not less than 50 % of the total fuel requirement to the boiler.
11. PP to provide roof top Rain Water Harvesting facility.
12. PP to ensure the proposed project is a ZLD unit.

General Conditions:

- I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter

are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at <http://parivesh.nic.in>

- ii. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1st December of each calendar year.
- III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.
- IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
- V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.
- VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
- VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.
- VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
- X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.
- XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.
- XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the

project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Pravin Darade
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Raigad.
7. Regional Officer, Maharashtra Pollution Control Board, Raigad.