

Six Monthly Compliance Report

Period: April 2024 to September 2024

**Steel Melting Plant and Rolling Mill at Plot No. B 27
(N,M&S) SIPCOT Industrial Complex, Gummidipoondi,
Tiruvallur District - 601201**



By
M/s Kanishk Steel Industries Limited
Gummidipoondi Taluk,
Thiruvallur District.

Six Monthly Compliance Report

Project Description:

Name of the Project: Steel melting plant and Rolling Mill having production capacity of 76,000 TPA of Re-Rolled Products/ Structural and 83,000 TPA of MS Billets.

Factory Name: M/s Kanishk Steel Industries Limited

Factory Address: Plot No. B 27 (N,M&S) SIPCOT Industrial Complex, Gummidipoondi, Tiruvallur District Pin 600004

Ref. No. Environmental clearance Letter No.: SEIAA-TN/F.No.6430/EC/3(a)/78/2020 dated: 10.11.2020

Name of Sector: Schedule No (in the EIA Notification,2006): Schedule S.No. 3(a) of Category "B1" - Metallurgical Industries (Ferrous & Non- Ferrous)

Co-ordinates (lat-long) of all four corners of the site are:

1. Coordinate 1: Latitude: 13°25' 079"N Longitude: 80° 7' 154"E
2. Coordinate 2: Latitude: 13°25' 009"N Longitude: 80° 7' 235"E
3. Coordinate 3: Latitude: 13°24' 971"N Longitude: 80° 7' 229"E
4. Coordinate 4: Latitude: 13°24' 972"N Longitude: 80° 7' 137"E

Terms of reference: SEIAA Letter No. SEIAA/F.No. 6430/2017/3(a)/KSI/TOR-292/2017 dated: 15.11.2017 & dated 09.07.2019 with public hearing.

Water body within 10km radius: The project site is Located within 10km.ThamariEri - 0.4km, Murugan pond - 1km (East), Shiva temple pond -1.6km (ESE) , Sri Amman temple pond - 1.7km (south).

Land use: Total area of land use is 3.015 Sq Km which corresponds to 100% of the project area.

Man Power for the project is 350 Employees

Water source: Water Source is from Sipcot, Gummidipoondi,

Total water required: Total water required is 45.25KLD.

Power Requirement:

The facility operates with a total power capacity of 11.9 MVA (Mega Volt Amperes), which is dedicated entirely to an induction furnace. Diesel generator set (DG Set) with a capacity of 500 KVA (Kilo Volt Amperes) and 250KVA DG sets are back-up power source. This DG set runs on low sulfur high-speed diesel, with a consumption rate of 160

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liters per hour. This setup provides a reliable power solution for the induction furnace and an effective backup system to mitigate any potential disruptions.

Waste Water Generation and Treatment: The domestic sewage (8.75 KLD) generated is treated in the Sewage Treatment Plant having a capacity of 10 KLD. The treated wastewater of 7.9 KLD from the STP is recycled for green belt development. The wastewater from the cooling processes 19 KLD is re-circulated for the process. The scrubber proposed in the expansion of Environmental Clearance will be installed whenever there is a generation gaseous emission.

The monitoring of Ambient Air Quality, Ambient Noise Level, Stack Emission etc. are being carried out through Tamil Nadu Pollution Control Board and the same is enclosed herewith in this report. The compliance status of conditions stipulated in the Environmental Clearance is provided below.

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EC Compliance Period: April 2024 to September 2024

Sl. No.	Conditions	Compliance Status
1.	'Consent for Establishment" shall be obtained from the TNPCB and a copy shall be furnished to the SEIAA, Tamil Nadu before taking up of any construction activity at the site:	Complied Consent for Establishment is under Water Act obtained vide Proceedings No. T2/TNPCB/F.0119GMP/OL/GMP/W/2022 and CTE for under Air Act obtained vide Proceedings No.T2/TNPCB/F.0119GMP/OL/GMP/A/2022 Dated: 22/04/2022from TNPCB and the copies are furnished to SEIAA Tamil Nadu. CTE Consent order under Water & Air Act is attached as Annexure – I Page No.58 & 64.
2.	All the roads shall be tarred and water sprinkling shall be ensured to control dust emission from all the vulnerable sources like raw material handling and storage areas. All the material transfer points, discharge points and raw material storage areas shall be completely covered. Dust extraction system shall be provided to storage, transfer points and material handling areas. Monitoring of fugitive emission in the work zone environment shall be carried out regularly as per the CPCB guidelines.	Complied The internal roads are cemented and provided water sprinkling arrangements. The raw material is stored inside the shed. Suitable dust control measures are provided in the site.

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3.	The proponent shall provide the air pollution control measures to all the furnaces so as to achieve the air emission standards prescribed by the CPCB/ MoEF & CC and same shall be connected to the CARE AIR centre of TNPCB for online monitoring	<p>Complied</p> <p>There are 2 operational furnaces for the process in the industry. Air pollution control measures Bag filters are provided in the furnaces to control emissions and to achieve the air emission standards prescribed by the CPCB/ MoEF & CC online emission monitoring system provided in each furnace and are connected to the CARE AIR center of TNPCB.</p> <p>The photographs of the 2 furnaces and the Screenshot of the connection to the CAREAIR center of TNPCB for online monitoring –Enclosed– 1 Page No.37 & 38</p> <p>The latest Result of Analysis of TNPCB letter date 02/07/2024 is Enclosed -2 Page No.39</p>
4.	Gaseous emissions including secondary fugitive emissions from all the sources shall be controlled with in the latest permissible limits issued by the MoEF&CC and regularly monitored and reports should be submitted to SEIAA-TN, CPCB and TNPCB. Guidelines/code of Practice issued by the CPCB shall be followed.	<p>Complied.</p> <p>Emissions from all the sources are regularly monitored and controlled and reports are submitted to SEIAA-TN, CPCB and TNPCB.</p> <p>The latest Result of Analysis of TNPCB Survey report date 02/07/2024 is attached as Annexure- II Page No. 70.</p>
5.	The scrubber effluent from wet scrubber shall be evaporated in elevated Solar Evaporation Pan of adequate sizes. No waste water shall be discharged outside the Plant premises and 'Zero' discharge shall be strictly adopted as proposed.	<p>Agreed to Comply</p> <p>We have provided bag filters for the furnace which is operated by electricity as fuel. We will provide the scrubber whenever there is a gaseous emission from the furnace i.e. utilization of coal operated furnace.</p>

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6.	The proponent shall continuously operate the Sewage treatment plant so as to achieve the standards of treated sewage prescribed by CPCB/TNPCB.	Complied STP is continuously operational so as to achieve the standards of treated sewage prescribed by CPCB/TNPCB. Photos of STP are attached here with us Enclosed-3 Page No.40.
7.	Slag shall be subject to Toxic Chemical Leachability potential (ICLP) test before using for further beneficial use and shall be used only when found non hazardous.	No toxic chemicals are generated from our company. The slag which is generated is neutral.
8.	All the solid wastes like slag and SEP residue shall be stored separately at designated place only. Solar Evaporation Pan residue shall be disposed of in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.	Complied Slag is stored separately. No Solar Evaporation Pan residue, Since we provide Bag filter arrangement to the furnaces stack and no scrubber effluent generate and no provision of Solar Evaporation Pan
9.	Proper housekeeping shall be ensured and all the raw materials and products stored at designated places.	Complied In total land use 4.98% is allotted to the product storage area. Raw materials and products are stored separately in the places earmarked.
10.	The Project proponent shall provide adequate safety and ventilation arrangements in the furnace area.	Complied The furnace area is provided with proper ventilation.
11.	A separate Cell with adequate technically competent staff should be appointed to operate the Environmental Control measures who should report directly to the top Executive of the plant premises.	Complied Environment Management Cell headed by a Board of Directors and constitute General Manager, Environmental Engineer, safety officer, Chemists, Administrative staff and officer. The organizational structure of Environment Management Cell Enclosed-4 Page No.45

Sl. No.	Conditions	Compliance Status
12.	Ambient air quality monitoring (AAQM) stations shall be setup as per statutory requirement. The locations of ambient air quality monitoring stations shall be decided in consultation with the TNPCC and it shall be ensured that maximum numbers of stations to be installed in the upwind direction and same shall be connected to CARE AIR centre in TNPCC for online monitoring.	Complied AAQM - stations are setup by TNPCC during their latest survey dated 26.06.2024 is attached as Annexure-II
13.	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc., on all sources of noise generation. The Ambient Noise levels shall conform to the standards prescribed by CPCB/MoEF & CC.	Complied The latest TNPCC survey dated 26.06.2024, received Noise level are within TNPCC Standard is attached as Annexure-II
14.	The proponent shall provide and maintain the Green belt at least 33% area as per the CPCB Guidelines and the proponent shall develop more Green belt continuously.	Complied 33.17% of total plot area is developed as green belt area with native trees. Photos of Green belt and Tress details - Enclosed-5 Page No.46
15.	The proponent shall furnish an undertaking that they will abide by the conditions/ recommendations mentioned in the EMP report furnished by them.	Agreed to comply Total Cost of about Rs.176 Lakhs towards EMP and recurring cost of Rs.11.14 lakhs is spent on pollution control & treatment, green belt development, rainwater harvesting, environmental monitoring systems and others. Recurring cost toward maintain and operation of Air pollution control measures, STP, green belt, rain water harvesting are expected through our company fund.

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Sl. No.	Conditions	Compliance Status
	Discussion by SEIAA and the Remarks : Conditions	
1	The EMP Cost shall be deposited in a nationalized bank by opening separate account and head wise expense statement shall be furnished to TNPCB with a copy to SEIAA annually.	Complied We have deposited the amount in Nationalized bank toward caring the EMP activities
2	The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC-2) Department dated 25.06.2018 regarding ban on one time use and throw away plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.	Agreed to comply We complied will not utilize banned single use plastic within the premises
3	A detailed post-COVID health management plan for workers as per ICMR and MHA guidelines or the State Govt. guideline may be followed and report shall be furnished.	Agreed to comply
4	If there is any change in the production or land area application for amendment has to be submitted to SEIAA for further approval.	Agreed to comply
	STATUTORY COMPLIANCE	
1.	The green belt developed should be more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Complied 33.17% of total plot area is developed as greenbelt area with native trees.

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Sl. No.	Conditions	Compliance Status
II.	The Project proponent shall operate and maintain the Sewage treatment Plant and Effluent treatment plant effectively to meet out the standards prescribed by the CPCB	Complied STP with the total capacity of 10 KLD is installed for treating the sewage generated. STP is continuously operated and we have achieved standards prescribed by the CPCB. The effluent generated from the cooling water is re-circulates continuously to the process.
III.	It is necessary to be carried out safety audit in the different operating zones of the plant at least once in a year and the same shall be considered as base for reviewing the unsafe conditions during the plant safety meeting.	Complied As part of safety audit safety training program was conducted to the employees through (DISH) Directorate of Industrial Safety and Health Government of Tamil Nadu. Safety Training Photos – Annexure IV Page No.80.
IV.	It is recommended to prepare a code of practice for safe operation for educating the safety standards to the work force deployed in the plant through appropriate training by the concerned experts.	Complied As part of safety audit safety training program was conducted to the employees through (DISH) Directorate of Industrial Safety and Health Government of Tamil Nadu.
V.	As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.	Complied As a part of health surveillance Pre-medical examination for the employees has been carried out. M/s Kanishk steel Industries Limited signed MoU agreement with HNX healthcare Pvt. Ltd. Hospital for the purpose of operation & Maintenance of Health Checkup and OPD/IP facilities for their existing and retired employees and to their dependents. Attached MOU Copy – Annexure V Page No.90.

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Sl. No.	Conditions	Compliance Status
VI.	The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous waste (Management) Rules, 2016 for the handling and disposal of Hazardous waste to be generated.	Complied We are obtained authorization for handling the waste generation from TNPCB valid for a period upto 31/03/2027. HWA Authorization Copy - Annexure VI Page No.108.
VII.	A necessary consent letter for the water supply shall be obtained from the SIPCOT before obtaining CTO from TNPCB.	Complied Water is being supplied by the SIPCOT Necessary and Agreement made with SIPCOT is Attached - Annexure VII Page No.118.
VIII.	The proponent shall continuously operate and maintain the Air Pollution control measures to be provided.	Being Complied Air Pollution control measures are continuous and efficiently operate.
IX.	The project proponent shall provide sufficient ventilation (air circulation) in the hazardous Waste storage yard where the hazardous wastes are being kept.	Complied
X.	The sewage generated from the unit shall be treated and dispose through septic tank and soak pit arrangement.	Complied A dedicated STP provided to handle sewage
XI.	The effluent generated from the process Should be treated through the ETP to achieve the treated effluent standards prescribed by the CPCB.	Complied Cooling water is being recycled for the manufacturing process. No effluent generated in our process
XII.	The Project Proponent shall carry out safety audit in the different operating zones of the plant at least once in a year and the same shall be considered as base for reviewing the unsafe Conditions during the plant safety meeting.	Complied As a part of safety audit, safety training was conducted to the employees through Directorate of Industrial Safety
XIII.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act,1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not Applicable. The project location and activity does not attract the provisions of Forest (Conservation) Act,1986.

Sl. No.	Conditions	Compliance Status
XIV.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	<p>NOC is obtained from Principal Chief Conservators of Forests and Chief Wildlife Warden, Chennai</p> <p>NOC copy is attached here with for your reference-Annexure VIII Page No.124.</p>
XV.	The project proponent shall prepare a Site-Specific Conservation Plan and Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area)	<p>NOC is obtained from Principal Chief Conservators of Forests and Chief Wildlife Warden, Chennai</p>

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Sl. No.	Conditions	Compliance Status
XVI.	The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	<p>Complied</p> <p>Consent for Establishment is under Water Act obtained consent order Proceedings No. T2/TNPCB/F.0119GMP/OL/GMP/W/2022 DATED: 22/04/2022 and CTE for under Air Act obtained vide PROCEEDINGS NO.T2/TNPCB/F.0119GMP/OL/GMP/A/2022 DATED: 22/04/2022 from TNPCB</p> <p>Consent to Operate is obtained under Air (Prevention & Control of Pollution) Act,1981,</p> <p>PROCEEDINGS No. T1/TNPCB/F.0119 GMP/OL/GMP/A/2023, DATED: 08/12/2023</p> <p>Consent to Operate is obtained under Water (Prevention & Control of Pollution) Act,1974,</p> <p>PROCEEDINGS No. T1/TNPCB/F.0119GMP/OL/GMP/W/2023 DATED:08/12/2023.</p> <p>CTE and CTO Consent order under Water & Air Act is attached as Annexure – I & IX</p>
XVII.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	HWA authorization was obtained Vide Proceeding No. T2/TNPCB/F.0119GMP/HWA/OL/GMP/2022 dated 30/08/2022 and valid upto 31/03/2027 from TNPCB
XVIII.	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicles Act (MVA),1989.	<p>Not Applicable.</p> <p>This industry is manufacturing Steel components there is no Manufacture, Storage or import of Hazardous Chemicals.</p>

Sl. No.	Conditions	Compliance Status
	Air quality monitoring and preservation:	
I.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to NABL accredited Laboratories.	Complied Online Continuous emission monitoring system provided in the stacks attached to the Induction Furnace -7T and Induction Furnace - 12T capacity and all connected to TNPCB and CPCB monitoring system
II.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Complied Monitored by TNPCB.
III.	The project proponent shall install system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM-10 and PM-25 in reference to PM emission and SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.	Complied Ambient Air Quality monitoring for the parameters PM 10, PM 2.5, SO2, NOx are carried by TNPCB labs survey dated 02/07/2024 and the copy of Results of Analysis enclosed in Annexure II
IV.	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and /or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Complied Suitable Air pollution control measures Such as Bag filter to furnaces 7T & 12T are provided Adequate stack height 32m respects to the 7T Induction Furnace and 12T Induction Furnace provided
V.	Storage of raw materials, collect shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Complied We have provided enclosed shed for the storage of raw material to prevent dust pollution and other fugitive emissions.

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VI.	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R.608 (E) dated 21st July,2010 and amended from time to time shall be followed.	Not Applicable
VII.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R.826 (E) dated 16 th November, 2009 shall be complied with.	NAAQ Emission standards complies with the latest TNPCB survey date 02/07/2024 report is enclosed
	WATER QUALITY MONITORING AND PRESERVATION:	
I.	The project proponent shall provide online continuous monitoring of effluent. the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent with in the premises (applicable incase of the projects Achieving ZLD).	Not Applicable
II.	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable incase of the projects achieving the ZLD).	Complied
III.	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.	Complied
IV.	Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.	Complied All our water is recycled except for evaporation losses.

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Sl. No.	Conditions	Compliance Status
V.	Process effluent/ any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through as separate conveyance system.	Complied Zero liquid discharge maintained. Storm Water drain maintained.
VI.	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations with in the plant.	Complied Rain water harvesting (RWH) system provided
VII.	The DG sets shall be equipped with suitable Pollution control devices and the adequate stack height so that the emissions are in conformity with the extent regulations and the guidelines in this regard.	Complied DG set 500 KVA provided with adequate Acoustic enclosures.
NOISE MONITORING AND PREVENTION		
I.	Acoustic enclosure shall be provided to DG set for controlling the noise Pollution.	Complied Air pollution Control measures of Acoustic enclosures. Its silent Green Generator (No Stack) are provided to DG set for controlling noise pollution.
II.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	Complied Adequate noise control measures provided
III.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz 75 dB(A) during day time and 70dB(A) during night time.	Complied TNPCB survey conducted on date 02/07/2024 Noise levels are within the standards prescribed.

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Sl. No.	Conditions	Compliance Status
	Safety, Public Hearing and Human health issues	
I.	Emergency preparedness plan on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management plan shall be implemented.	Complied Risk assessment study conducted on-site emergency preparedness plan available at site
II.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Complied Firefighting system provided around the plant as per the norms
III.	The project proponent shall provide personal protection Equipment (PPE) as per the norms of Factory Act.	Being Complied
IV.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling Of chemicals shall be imparted.	Complied As a part of safety audit safety training was conducted to the employees through Directorate of Industrial Safety
V.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Not Applicable No housing for labour provided at factory
VI.	Occupational health surveillance of the workers shall be done on a regular basis and Records maintained as per the Factories Act	Complied OHS is being carried regularly
VII.	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	Complied We have provided enclosed shed for the storage of raw material to prevent dust pollution and other fugitive emissions.

Sl. No.	Conditions	Compliance Status
	Corporate Environment Responsibility:	
I.	As per OM dated 30.09.2020 and 20.10.2020, the proponent shall furnish EMP to TNPCB by including all the activities proposed in CER for Rs. 8.45 lakhs as committed in the affidavit. The CER activities shall be carried out before obtaining CTO from TNPCB	Complied The Corporate Environmental Responsibility (CER) activities for the amount of Rs. 17.46 lakhs have been spent. CER details are Enclosed -6 Page No.50
II.	The company shall have a well laid down environment policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environment/ forest/ wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms/conditions and / or share holders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six-monthly report.	Complied.
III.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Complied Environment Management Cell headed by a Board of Directors and constitute General Manager, Environmental Engineer, safety officer, Chemists, Administrative staff and officer. The organizational structure of Environment Management Cell

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Sl. No.	Conditions	Compliance Status
IV.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Complied EMP implemented EMP details are Enclosed -7 Page No.51
V.	Self environmental audit shall be conducted annually. Every three years third party Environmental audit shall be carried out.	Assured to comply
WASTE MANAGEMENT:		
I.	Hazardous chemicals shall be stored in tanks farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	Being Complied
II.	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Not Applicable

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Sl. No.	Conditions	Compliance Status
III.	The company shall undertake waste minimization measures as below: - a) Metering and control of quantity of active ingredients to minimize waste. b) Reuse of by-product from the process as raw materials or as raw material substitutes in other processes. c) Use of automated filling to minimize spilling. d) Use of Close Feed system into batch reactors. e) Venting equipment through vapour recovery system. f) Use of high pressure hoses for equipment clearing to reduce waste water generation.	Being Complied
	SPECIFIC CONDITIONS	
1.	It is mandatory for the project proponent to furnish to the SEIAA, Half yearly Compliance report in hard and soft copies on 1 st June and 1 st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearances issued.	Agreed to comply Copy of half year Compliance report for the period October 2023 to March 2024 is furnished to SEIAA, IRO-MoEFCC, DEE-TNPCB, JCEE-TNPCB, & CPCB. Copy of half year Compliance report for the period April 2024 to September 2024 is submitted here with.
2.	"Consent for Establishment" shall be obtained from the TNPCB and a copy shall be furnished to the SEIAA, Tamil Nadu before start of project construction activity at the site.	Complied "Consent for Establishment" is obtained vide under Water Act vide Proceedings No. T2/TNPCB/F.0119GMP/OL/GMP/W/2022 Dated: 22/04/2022 and under Air Act vide Proceedings No. T2/TNPCB/F.0119GMP/OL/GMP/A/2022 Dated: 22/04/2022 from TNPCB and a copy is furnished to SEIAA Tamil Nadu.

Sl. No.	Conditions	Compliance Status
3.	"Consent to Operate" should be obtained from the TNPCB before the start of the operation of the project and copy shall be submitted to the SEIAA, Tamilnadu	<p>Complied.</p> <p>The Consent to Operate is obtained, as follows:</p> <p>1. Air (Prevention and Control of Pollution) Act 1981, Proceedings No. T1/TNPCB/F.0119GMP/OL/GMP/W/2023 DATED: 08/12/2023</p> <p>2. Water (Prevention and Control of Pollution) Act 1974, Proceedings No. T1/TNPCB/F.0119GMP/OL//GMP/A/2023DATED: 08/12/2023</p> <p>Issued by the TNPCB and a copy is furnished to the SEIAA, Tamil Nadu.</p> <p>Copy of CTO renewal of Air Act & Water Act is attached in Annexure IX Page No.127 & 135</p>
4.	The implementation of Environment Management Plan in regard to treatment and disposal of sewage & Effluent, Solid waste Management, Hazardous Waste Management, and CSR activities should be carried out, as proposed and committed, Regular monitoring should be carried out during operation phases.	<p>Complied</p> <p>M/s KSIL is implementing Environment Management Plan in regarding to treatment and disposal of sewage, Solid waste Management, Hazardous Waste Management, and CSR activities carried out, as proposed and committed, Regular monitoring carried out during operation phases.</p>
5.	Adequate dust extraction system such as Ducting with dust extracting arrangement wherever required shall be established to achieve Occupational-health standards and ambient air quality standards.	<p>Complied.</p> <p>Adequate dust extraction system provided to handle and the emission from furnace, AAQ standards are achieved. (TNPCB survey dated 26.06.2024 report Enclosed</p>

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Sl. No.	Conditions	Compliance Status
6.	The proponent shall carryout best housekeeping practices as spillage management for handling and maintenance of raw materials and products inside the unit premises.	Being complied. M/s KSIL industry total land use 4.98% is allotted to the product storage area and regularly doing housekeeping practices are carryout into spillage management for handling and maintenance of raw materials and products inside the unit premises. Where the Raw materials and products are stored separately based on their properties in the designated places. Photographs of the product storage area are attached herewith. Enclosed -8 Page No.52
7.	Nature of chemicals Handled, the Do and Don'ts shall be displayed at all vital locations as laid down in MSDS.	Not applicable No hazardous chemicals handled.
8.	The proponent shall ensure that the quantity of Hazardous Waste handed over to the TSDF shall match with the quantity generated.	Being Complied
9.	The proponent shall provide a separate closed area earmarked for storing solid waste including Hazardous Waste as proposed.	Complied Hazardous wastes are stored in a separate place.
10.	The proponent shall dispose Hazardous Waste generated as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed off through TNPCB registered recyclers.	Complied Hazardous Waste handed through recycler as per authorization.

For KANISHK STEEL INDUSTRIES LTD.

[Signature]
Director / Authorised Signatory

Sl. No.	Conditions	Compliance Status
11.	The plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2016.	Agreed to comply We agree to compiled with provisions of Plastic Waste (Management & Handling) Rules 2016.
12.	The e-waste generated should be collected and disposed to a nearby authorized e-waste centre As per E-waste (Management & Handling) Rules 2016 as amended	Agreed to comply We agree to compiled with provision of waste (Management & Handling) Rules 2016.
13.	The Municipal solid waste generated shall be collected, segregated and disposed as per Solid Waste Management Rules, 2016.	Agree to comply We agree to compiled maintain with provision of Solid Waste Management Rules, 2016.
14.	The industry shall conduct air sampling at least once in six months for the general core parameters (PM10, PM25, SOx, NOx) through TNPC/NABL Accredited Laboratory and maintain records of the same and it should be made available at the time of inspection.	Being Complied TNPCB conducted an Air Quality survey vide report date: 02.07.2024 for the parameters Pm10, Pm2.5, Sox & NOx etc.,
15.	Regular monitoring on the air quality, water quality and noise on the selected locations in and around the project site as mentioned in the EMP report for creating base line data shall be continued and records shall be maintained.	Complied Through TNPCB lab analysis

For KANSHK STEEL INDUSTRIES LTD.

[Signature]
Director / Authorized Signatory

02-07-2024

02-07-2024

Sl. No.	Conditions	Compliance Status
16.	A separate environment and safety management cell with qualified staff shall be set up before establishment of the facility and shall be retained throughout the lifetime of the industry, for implementation of the stipulated environment safeguards.	<p>Complied</p> <p>Environment Management Cell headed by a Board of Directors and constitute General Manager, Environmental Engineer, safety officer, Chemists, Administrative staff and officer. The organizational structure of Environment Management Cell is presented in Annexure</p> <p>As a part of safety audit safety training was conducted to the employees through Directorate of Industrial Safety and health and Government of Tamilnadu.</p> <p>Safety Training Photos is attached as Annexure-IV</p>
17.	The Greenbelt area already developed within the project area shall be properly maintained.	Agree to comply
18.	The green belt of 3 to 10 meter width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department	<p>Complied</p> <p>The greenbelt area for 33.17% of total land which has area of 1.0ha developed.</p>
19.	The industry shall promote tree plantation to neutralize their carbon foot print. The industry shall engage regularly in afforestation programme.	<p>Being Complied</p> <p>Green belt area has been grown with evergreen trees helps to reduce the fugitive emissions generated in the industrial premise and help to neutralize their carbon foot print.</p>
20.	The proponent shall ensure effective risk management strategy regarding confined space management to avoid risk while handling raw materials, products in the process area and storage.	<p>Being Complied</p> <p>The preliminary risk assessment has been completed for the proposed expansion of steel plant and associated facilities;</p>

Sl. No.	Conditions	Compliance Status
21.	The energy sources for lighting purposes shall preferably be LED based.	Complied. LED lights are provided for lighting purposes.
22.	The industry shall conduct air sampling at Least twice in a week (10+ times in a year). As stipulated under EP Act 1986.	Being Complied Online continuous emission monitoring system provided in furnace stacks and regular AAQ survey through TNPCB is conducted.
23.	Risk cum disaster management plan should be in placed in the industry premises at all times.	Risk Cum disaster management plan is available with the Plant Operation Head who will enforce the management plan in case of any risk. Disaster Management plan with On-site and Off-Site Emergency Preparedness Plan is attached as Annexure X Page No.144.
24.	Water conservation scheme including rainwater harvesting measures to augment ground water resources shall be implemented so as to collect and reuse the entire rain water harvested as a supplement to fresh water.	Complied. Rain water harvesting (RWH) system is implemented.
25.	The natural drainage pattern in the project area shall be maintained and storm water drain along the boundary and appropriate places shall be provide considering the Catchment area and maximum intensity of rainfall to collect run off water/rain water for proper disposal to avoid flooding around the premises.	Being Complied Adequate Storm water drains are provided.
26.	The Environmental Clearance is issued without prejudice to any order that may be passed by the Hon'ble NGT/Honb'le High Court of Madras.	Agreed to Comply.
27.	All the assurances given in EIA and EMP shall be adhered strictly.	Complied.

For KANISHK STEEL INDUSTRIES LTD.

[Signature]
Director / A. Charan Reddy

Sl. No.	Conditions	Compliance Status
28.	Detail study shall be carried out by engaging accredited agencies/reputed institutions for Risk management and detailed Disaster management plan prepared for compliance.	Complied. Onsite emergency management plan are prepared and available site premises to manage risk.
29.	Sufficient funds should be provided	Complied. Risk cum onsite emergency Management Plan is available within the site. Sufficient funds available to manage disaster management.
30.	The Project Proponent shall provided is infection by UV system for the sewage treatment plant for treating the sewage before applying on land for gardening.	Complied The treated wastewater of 7.9 KLD from the STP is recycled for greenbelt development after disinfection.
31.	The project proponent shall provide sufficient ventilation (air circulation) in the hazardous waste storage yard where the hazardous waste like spent carbon, Chemical sludge, used or spent oil are being kept.	Being Complied M/s KSIL provided sufficient ventilation (air circulation) in the hazardous waste storage yard where the hazardous waste are being kept.
32.	The Project Proponent shall carry out safety audit in the different operating zones of the plant at least once in a year and the same shall be considered as base for reviewing the unsafe conditions during the plant safety meeting.	Being Complied As part of safety audit safety training program was conducted to the employees through (DISH) Directorate of Industrial Safety and Health Government of Tamil Nadu.
33.	The Project Proponent shall prepare a code of practice for safe operation for educating the safety standards to the work force deployed in the plant through appropriate training by the concerned experts.	Complied Safety training program was conducted to the employees through (DISH) Directorate of Industrial Safety and Health Government of Tamil Nadu.

For KANISHK STEEL INDUSTRIES LTD.

[Signature]
Director / Authorized Signatory

Sl. No.	Conditions	Compliance Status
34.	If the plant operation involves sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed	Being Complied M/s Kanishk steel Industries Limited signed MoU agreement with HNX healthcare Pvt. Ltd. Hospital for the purpose of operation & Maintenance of Health Checkup and OPD/IP facilities for their existing and retired employees and to their dependents.
35.	The Activity of the industry should not impact on agricultural, irrigation system and mangroves surrounding the area.	Complied Our industrial activity is not having any impact on the surrounding agriculture and irrigation system.
36.	The EMP cost of Rs.45 Lakhs for capital cost and recurring cost of Rs.7lakhs shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCCB with a copy to SEIAA annually.	Agreed to comply Total Cost of about Rs.176 Lakhs towards EMP and recurring cost of Rs.11.14 lakhs is spent on pollution control & treatment, green belt development, rainwater harvesting, environmental monitoring systems and others. Recurring cost toward maintain and operation of Air pollution control measures, STP, greenbelt, rain water harvesting are expected through our company fund. The EMP cost of the investment –Enclosure-9 page No.53
37.	There should be no threat to Biodiversity due to the operation of the industry.	Agreed to comply Due to the operation of the M/S KSIL industry there is no threat to Bio diversity.
38.	The Project Proponent has to provide rain water harvesting tank during normal rains.	Complied Rain Water Harvesting percolation pits constructed along the periphery of the plant for ground water recharge from rain water.

2023/08/25 10:00:00 AM

2023/08/25 10:00:00 AM

For KANISHK STEEL INDUSTRIES LTD.

[Signature]
Director / Authorized Signatory

Sl. No.	Conditions	Compliance Status
39.	The operation of the activity should not impact on the soil, micro flora & Fauna present in and around the project site.	Being Complied The operation of mill does not have any impact on the soil, micro flora & Fauna present in and around the project site.
40.	The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.	Not Applicable
41.	The project proponent shall carry out risk assessment process for all the operations involved in the plant and a suitable risk management plan showing the contours of sensitive zones should be prepared.	Complied The preliminary risk assessment has been completed for the proposed expansion of steel plant and associated facilities.
42.	The project proponent shall take up better housekeeping measures including scraps disposal and upkeeping the machineries, pipes etc.,	Being Complied Housekeeping measures are done regularly and including scraps disposal and up keeping the machineries, pipes etc.,
43.	The CER activities shall be carried out as reported in the sworn affidavit furnished by the Project Proponent.	Complied The CER activities for the amount of 17.46 lakhs have been spent. Attached Affidavit as Annexure -III Page No.78
GENERAL CONDITIONS		
1.	The Environmental Clearance does not absolve the applicant/ proponent of his obligation/ requirement to obtain other statutory and administrative clearance from the concerned statutory and administrative authorities.	Agreed to comply
2.	No further expansion or modifications in the Plant shall be carried out without prior approval of the SEIAA, TNPCB	Agreed to comply

DTJ 23851/2009 JESTZ 2009/3/27

For KANISHK STEEL INDUSTRIES LTD.

[Signature]
Director / Authorised Signatory

Sl. No.	Conditions	Compliance Status
3.	"Consent for Establishment" shall be obtained from the TNPCB and a copy shall be furnished to the SEIAA, Tamil Nadu before taking up of any construction activity at the site.	Complied CTE was obtained from TNPCB.
4.	Proper housekeeping shall be ensured and all the raw material including scrap, coal etc., shall be stored at designated places.	Being Complied Proper housekeeping is done and all the raw material including scrap, coal etc., are stored at designated places.
5.	The project proponent shall under take rain water harvesting measures and shall develop water storage for use in operation of the plant. Rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in the plant premises. Action plan for implementation shall be submitted to the MoEF&CC Regional Office within six months.	Complied Rain water harvesting measures provided inside plant.
6.	The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for providing potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	Complied The CSR activities for the amount of 43.22 lakhs have been spent. We undertake various socio economic schemes under CSR schemes in the surrounding villages like <ul style="list-style-type: none"> • Safe drinking water for nearby Villages. CSR schemes in the surrounding villages like drinking water connection given to Ganganthotti village. Also a new bore, OH tank and pipelines provided to the govt primary school at Ma Po Si Nagar nearby & Vivekananda Nagar, Gummidipoondi Elementary school drinking water bore. Enclosed -10 Page No.55
7.	The Project proponent has to spend the CER Fund of Rs.8.45 Lakhs (2% of the project cost for the various activities as per MoEF&CC OM dated 1.05.2018.	Complied The Corporate Environmental Responsibility (CER) activities for the amount of Rs. 17.46 lakhs have been spent.

For KANISHK STEEL INDUSTRIES LTD.

Sl. No.	Conditions	Compliance Status
8.	CSR Schemes should address Public Hearing issues and shall be undertaken based on need assessment in and around the Villages within 5 km of the site and in constant consultation with the village Panchayat and the District Administration.	Complied We undertake various socio economic schemes under CSR schemes in the surrounding villages like • Safe drinking water for nearby Villages. CSR schemes in the surrounding villages like drinking water connection given to Ganganthotti village. Also a new bore, OH tank and pipelines provided to the govt. primary school at Ma Po Si Nagar nearby & Vivekananda Nagar, Gummidipoondi Elementary school drinking water bore.
9.	It shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.	Agreed to comply
10.	Green Belt consisting of 3 tiers of plantations of native species around the plant boundary comprising of at least 33% of total land shall be raised. The density of trees shall not be less than 2500 per Ha and rate of survival at least 80%.	Complied Greenbelt developed along the plant boundary Good native plants provided and maximum available areas are covered. Additional plants will be grown on a continuous basis on replacement basis on available lands when ever required.
11.	An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Organization.	Complied Environment Management Cell headed by a Board of Directors and constitute General Manager, Environmental Engineer, safety officer, Chemists, Administrative staff and officer.

For KANISHK STEEL INDUSTRIES LTD.


Director / Authorised Signatory

Sl. No.	Conditions	Compliance Status
12.	All the measures regarding occupational health surveillance of the workers shall be undertaken and regular medical examination of all the employees shall be ensured as per the Factories Act and records maintained.	<p>Complied.</p> <p>The industrial planner take steps to minimize the impacts and to ensure appropriate occupational health and safety in the steel melting plant and rolling mill. The following measures are take:</p> <ul style="list-style-type: none"> • Conducting awareness programs at regular intervals to the employees • Providing safety kits and prevention kits • Provision of Clinic at the plant site to handle emergency situations that may arise. <p>M/s Kanishk steel Industries Limited signed MoU agreement with HNX healthcare Pvt. Ltd. Hospital for the purpose of operation & Maintenance of Health Checkup and OPD/IP facilities for their existing and retired employees and to their dependents.</p>
13.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/FMP report.	<p>Complied</p> <p>Total Cost of about Rs.176 Lakhs towards EMP and recurring cost of Rs.11.14 lakhs is spent on pollution control & treatment, green belt development, rainwater harvesting, environmental monitoring systems and others.</p>
14.	The proponent shall furnish an undertaking that they will abide by the conditions/recommendations mentioned in the EMP report furnished by them.	<p>We are implemented EMP mention in affidavit.</p>

For KANISHK STEEL INDUSTRIES LTD.

[Signature]
Director / Authorized Signatory

INDUSTRIAL DEVELOPMENT CORPORATION

INDUSTRIAL DEVELOPMENT CORPORATION

Sl. No.	Conditions	Compliance Status
15.	The company must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.,	<p>Complied</p> <p>M/s. KSIL undertake socio-economic development activities in the surrounding villages by take part in various CSR activities like water supply, tree plantation, bus shelters, medical camp, road facilities and development of the villages.</p> <ul style="list-style-type: none"> ● Enhanced library facility for Pedikuppam Govt. School ● Provision of educational Kits and accessories to nearby Govt. School. ● Safe drinking water for nearby Villages. ● CSR schemes in the surrounding villages like Ganganthotti, nearby village, Gummidipoondi drinking water facility provided. Also a new bore, OH tank and pipelines provided to the Govt. primary school at Ma Po Si Nagar nearby. ● Vivekananda Nagar, Gummidipoondi Elementary school drinking water bore.
16.	The Project proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA, TN and copies of the clearance letter are available with the TNPCCB and may also be seen at Website of SEIAA, TN at parivesh.nic.in. This shall be advertised with in seven days from the date of issue of the clearance letter, at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office of the MoEF at Bengaluru.	<p>Complied</p> <p>The details of Environmental Clearance obtained have been published in 2 local Daily News papers.</p> <p>Enclosed -11 Page No.55</p>

For KANSHK STEEL INDUSTRIES LTD.

[Signature]
Director / Authorized Signatory

Sl. No.	Conditions	Compliance Status
17.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, Bengaluru, the Zonal Office of CPCB, Bengaluru and the TNPCB. This shall also be put on the website of the Company by the proponent.	Being Complied We hereby submitting six month compliance report for the period of April 2024 to September 2024.
18.	The Environmental Statement for each financial year ending 31 st March in Form V as is mandated has to be submitted by the project proponent to the Tamil Nadu Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently and shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF&CC, Bengaluru by e-mail.	Being Complied M/s. KSIL is submitting Environmental Statement for each financial year ending 31 st March in Form V is submitted on Financial Period 2024 to the Tamil Nadu Pollution Control Board, Gummidipoondi as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently. Copy of Form V – Annexure XI Page No.157
19.	The proponent shall upload the status of compliance of the stipulated EC 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, Bengaluru, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied Six months compliance report for the period of April 2024 to September 2024 is submitted herewith. We are uploaded in the company website that is www.kanishksteels.in

AT J E 38718

Sl. No.	Conditions	Compliance Status
25.	Environmental Clearance is issued based on the details furnished as above. 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 Environment(Protection)Act,1986.	Agreed to Comply.
26.	In case of any deviation or alteration in the project proposed from those submitted to this SEIAA, TN for clearance, a fresh reference should be made to the SEIAA, TN to assess the adequacy of the condition(s)imposed and to add additional environmental protection measures required, if any.	Agreed to Comply
27.	The above stipulations would be forced among others under the Water (Prevention and Control of Pollution) Act,197, the Air (Prevention and Control of Pollution) Act,1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and its amendments, the Public Liability InsuranceAct,1991 and its amendments.	Agreed to Comply
28.	Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green TribunalAct,2010.	No appeal was made during the specified period.

For KANSHK STEEL INDUSTRIES LTD.

[Signature]
Director / Authorized Signatory

ENCLOSURES

LIST OF ENCLOSURES

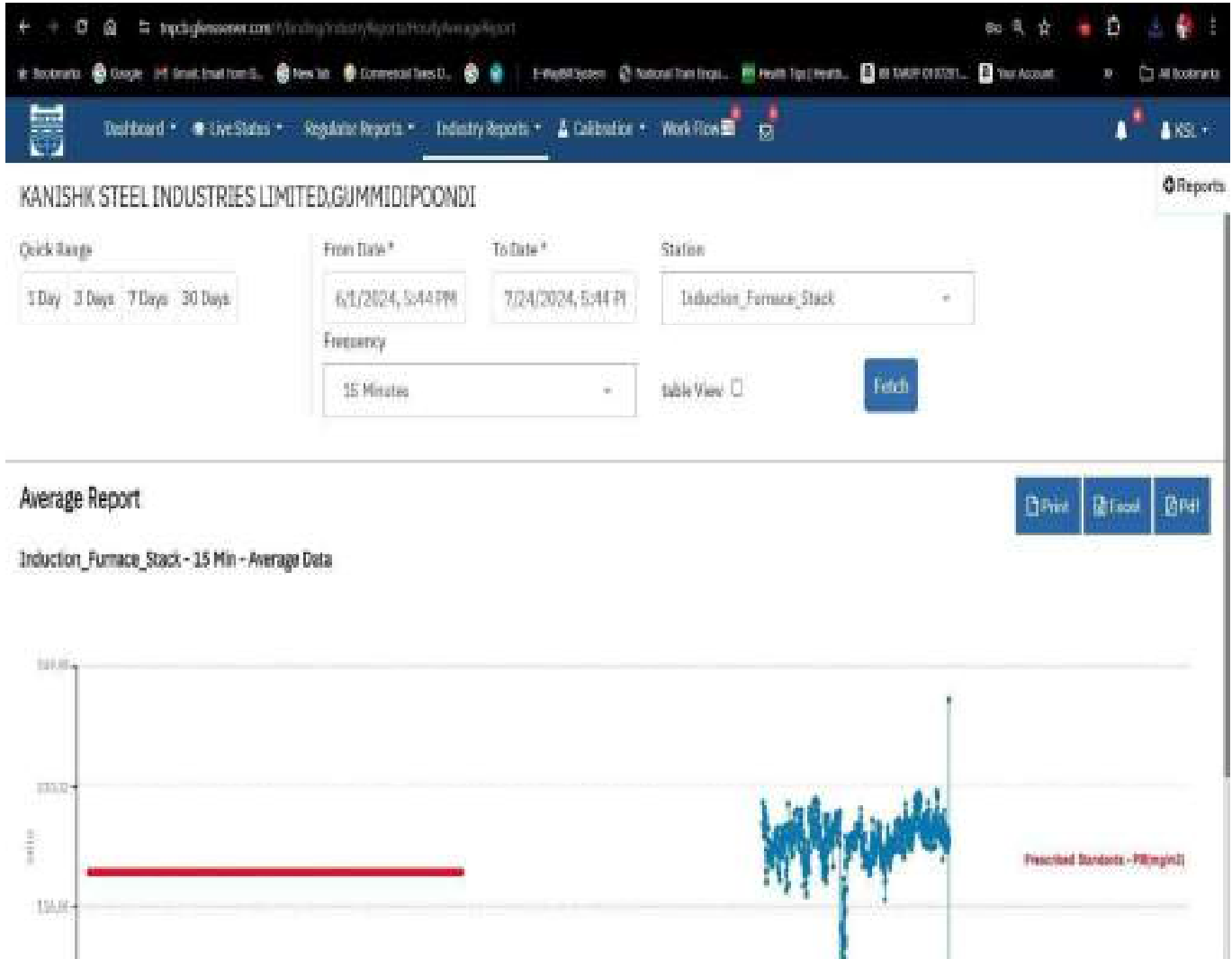
ENCLOSURES	TITLE	PAGE NO.
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ENCLOSURE-1	CARE AIR CENTRE ONLINE CONNECTIVITY OF M/S KANISHK STEEL INDUSTRIES LIMITED	38
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ENCLOSURE-1
PHOTOS OF FURNANCE (Page No.5 & Conditions SI.No.3)



ENCLOSURE-1
CARE AIR CENTRE ONLINE CONNECTIVITY OF M/S KANISHK STEEL INDUSTRIES LIMITED

(Page No.5 & Conditions SI.No.3)



ENCLOSURE-2
LETTER REPORT OF ANALYSIS
(Page No.5 & Conditions Sl.No.3)



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Ambattur.

From

Dr. K.Sarumathy M.Sc., M.Phil., P.h.D,
Deputy Chief Scientific Officer,
District Environmental Laboratory,
No.77-A South Avenue Road,
Ambattur Industrial Estate, Ambattur,
Chennai 600 058.

To

M/S/ Kanishk Steel Industries Ltd
Plot No B-27
SIPCOT Industrial Complex
Gummidipoondi
Pin 60120

Lr.No.TNPCB/ ROA No.27/2024 - 25/DEL/AMB/AAQS/SM

Dated: 02.07.2024

Sr,

Sub: Furnishing of Report of Analysis of Ambient Air Quality/Stack
Monitoring / Ambient Noise Level Survey-regarding.

Ref: 1. G.O.(2D) No. 13 (Revised Rate From 01.09.2021)	dated:31.08.2021
2.This Office.Lr.No.50/2024-25	Dated : 18.06.2024
3.Cash Receipt No.121 Rs. 84,350	Dated : 21.06.2024
4. Your ltr. No.121	Dated : 21.06.2024

I am sending herewith the Report of Analysis of Ambient Air Quality /Stack
Monitoring/Ambient Noise level.Survey conducted in the vicinity of your Industry on 26.06.2024
with an invoice for a sum of Rs.84,350.00/- (Rupees Eighty Four Thousand Three Hundred and
Fifty Only) towards the above survey/analysis charges, and same has been adjusted with the
advance fees received vide reference cited.

Kindly acknowledge the receipt of the report without fail.


Deputy Chief Scientific Officer,
DEL, Ambattur

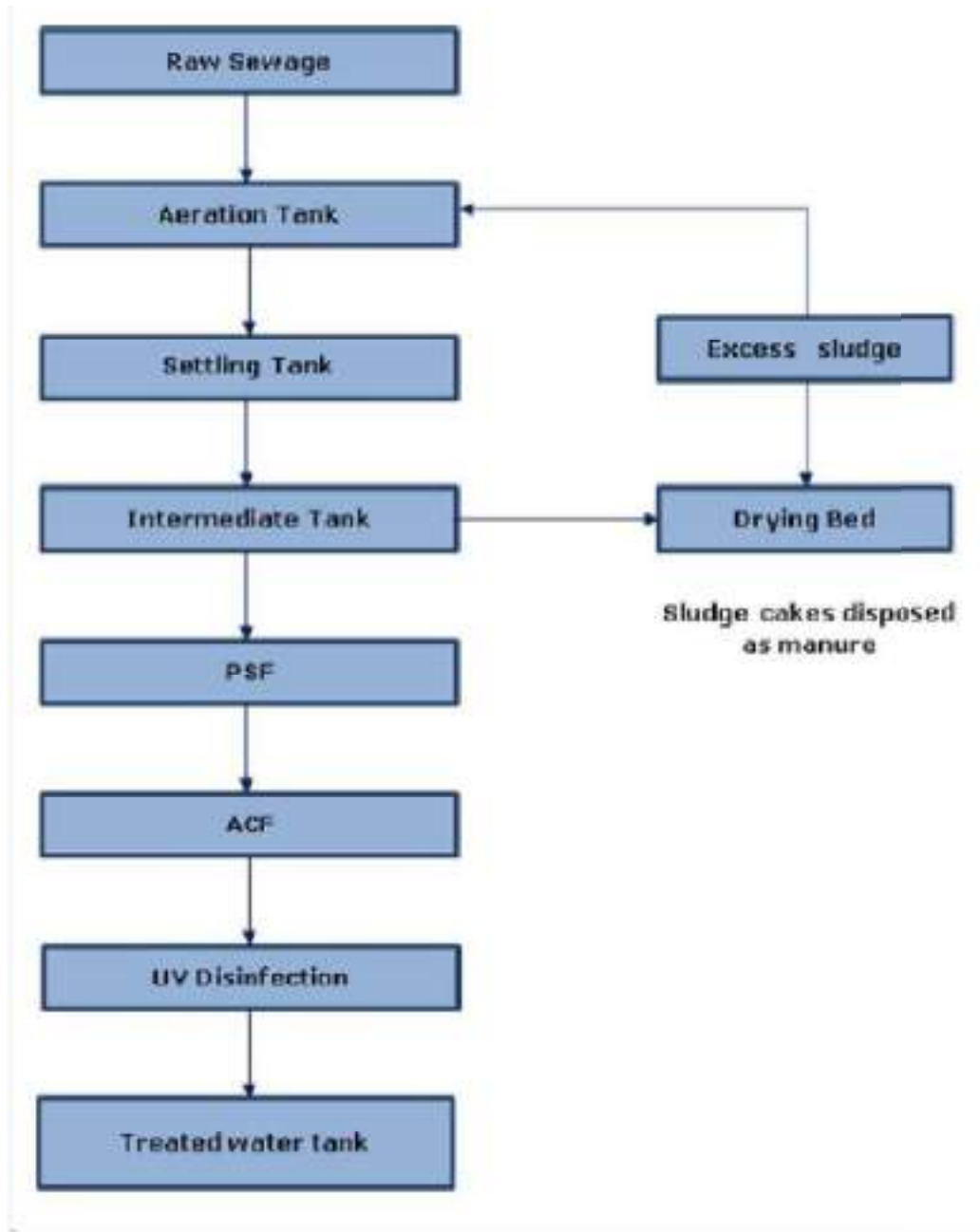
Encl: As above

Copy to:

1. The District Environmental Engineer, TNPCB, Gummidipoondi
2. File

ENCLOSURE-3

SEWAGE TREATMENT PLANT (STP) SCHEME (Page No.6 & Conditions SL.No.6)



DETAILS OF STP COMPONENTS

Sr. No.	Components	Dimension (in meters)
1	Sewage transfer pump	1HP
2	Air Blower- in C.I	Twin lobe - 2 Nos.25m ³ /hr
3	Disc diffuser-PP with EPDM	2 Nos.
4	Aeration Tank- in MS	1.5m x 1.5m x3.0m TD
5	Settling Tank - in MS	1.5m x 1.5m x2.5m (HOS)
6	Filter Feed pump	1 HP
7	Sludge drying beds - BW	1.0m x 1.0m x 1.0m TD-3 Nos.
8	Pressure sand filter - in MS	0.3m x 1.1m HOS
9	Activated carbon filter - in MS	0.25m x 0.9m HOS
10	UV system	2000 LPH
11	Treated water tank	1000 L

Source: KSIL, Gummidipoondi

WASTE WATER TREATMENT PLANT OF 10MLD



TREATMENT PROCESS

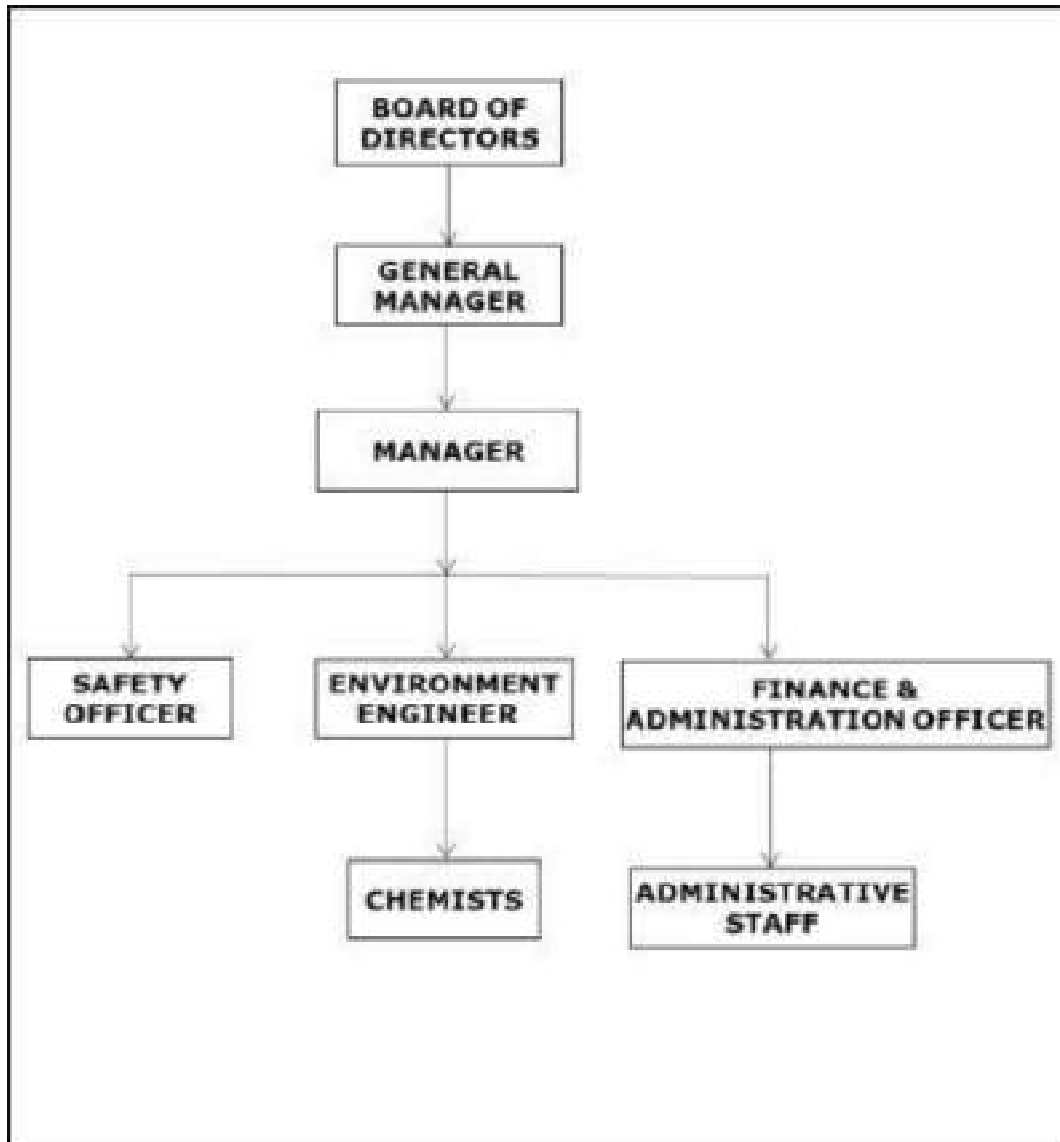






SLUDGE DRYING BED

ENCLOSURE-4
ORGANISATIONAL CHART OF ENVIRONMENTAL CELL
(Page No.6 & Conditions SI.No.11)



ENCLOSURE-5
PHOTOGRAPHS OF EXISTING GREEN BELT
(Page No.7 & Conditions SI.No.14)







DETAILS OF TREES

Sr. No.	Name of the Trees	Numbers of Trees
1	Banyan Tree	2
2	Mast Tree	12
3	Neem Tree	2
4	Mango Tree	4
5	Tamarind Tree	2
6	Ficus Religiosa Tree	9
7	Coconut Tree	9
8	Teakwood Tree	27
9	Almond Tree	9
10	Palm Tree	4
11	Guava Tree	1
12	Andrographic Paniculata Tree	10
13	Portia Tree	5
14	Pungai Tree	10
15	Mahogary	120
16	Badam Tree	5
17	Other Trees	25
Total		256

Source: KSIL, Gummidipoondi.

ENCLOSURE-6
COST FOR CORPORATE ENVIRONMENTAL RESPONSIBILITY
(Page No17.& CER Conditions SI.No.I)

Sr.No.	Description of Item	Cost (Rs. In Lakhs)
1	IMPROVEMENT AND REJUVANATION OF THAMRAI ERI POND AND GREEN DEVELOPMENT ACTIVITY TREES PLANTED IN AND AROUND OF THAMRAI ERI LAKE	15.43
2	AT 15 WARD NEAR VILLAGE GANGANTHOTTI DRINKING WATER FACILITY PROVIDED	2.0355
	Total	17.46

Source: KSIL, Gummidpoondi.

ENCLOSURE-7
EMP IMPLEMENTATION SCHEDULE
(Page No18.& CER Conditions SI.No.IV)

Sr.No	Recommendation	Requirement /Status
1	Air pollution control measures	Air pollution control measures provided in industry
2	Water pollution control measures	Water pollution control measures provided in industry
3	Noise control measures	Noise control measures provided in industry
4	Solid waste management	Solid waste management is implemented
5	Greenbelt development	Work in progress and will done at stage wise implementation

ENCLOSURE-8
PRODUCT STORAGE AREA
(Page No.21 & Specific Conditions SI.No.6)



ENCLOSURE-9
COST FOR ENVIRONMENTAL MEASURES PLAN
 (Page No26 & Specific Conditions SI.No.36)

Sr.No.	Description of Item	Cost (Rs. In Lakhs)
1	Air pollution control system	115
2	Water pollution control system	40.9
3	Environmental Monitoring	4.96
4	Greenbelt development, rainwater harvesting and others	4
5	Recurring Cost	11.14
	Total	176

Source: KSIL, Gummidpoondi.

ENCLOSURE-10 CSR ACTIVITY

(Page No.28 & General Conditions SI.No.6)



KANISHK STEEL INDUSTRIES LTD

Old No.4, New No.7, Thiru-Vi-Ka Il Street, Royapettah High Road,
Mylapore, Chennai - 4. Ph : (044) 4291 9700 Fax : (044) 42918715
E-mail : info@kanishksteels.in

ISO 9001 : 2008



M/s Kanishk Steel Industries Limited

Plot No. B 27 (N,M&S) SIPCOT Industrial Complex, Gummidipoondi, Tiruvallur
District -601201

CSR ACTIVITIES

Sl.No	Social Project Completed	Cost (Rs. In Lakhs)
1.	PRIMARY SCHOOL VIVERANDHA NAGAR GUMMIDIPOONDI - 601201. DRINKING WATER BORE AND TANK INSTALLED	1.4
2.	SCHOOL BAG KITS GIVEN TO THE PRIMARY SCHOOL.	0.15
3.	AROUND 600 TREES PLANTED IN AND AROUND OUR COMPANY AND TREE GUARDS (MESH) GIVE TO GUMMIDIPOONDI TOWAN PANCHAYT	1.358
4.	CST ACTIVITY COST SPENT AT FINANCIAL YEAR 2021-2023	14.69
5.	CST ACTIVITY COST SPENT AT FINANCIAL YEAR 2023-24	19.02
6.	CST ACTIVITY COST SPENT AT FINANCIAL YEAR 2024- TILL JULY	6.60
	Total	43.22

For KANISHK STEEL INDUSTRIES LTD.

[Signature]
Director / Authorized Signatory

Factory : Plot No.B-27 (M) Sipcot Industrial Complex, Gummidipoondi-601 201
Ph : (044) 27922187, 27922774 Fax : 27922826, 27927124

ENCLOSURE-11
News Paper Advertisement
(Page No.31 & General Conditions SI.No.16)

PUBLIC NOTICE

This is to inform that proposed Expansion of Steel Melting Plant and Rolling Mill for the Production of 76,000 TPA of Re-Rolled Products/Structural and 83,000 TPA of MS Billets unit located at Plot No. B 27 (N,M&S) SIPCOT Industrial Complex, Gummidipoondi, Tiruvallur district, Tamilnadu has been accorded Environmental Clearance by the State Environmental Impact Assessment Authority of Tamil Nadu. The copies of the said clearance are available with the Tamil Nadu Pollution Control Board and may also be seen on the website of the State Environmental Impact Assessment Authority of TamilNadu at https://environmentclearance.nic.in/TrackState_proposal.aspx?Type=EC&status=EC_new&statename=Tamil%20Nadu&pno=SIA/TN/IND/19912/2017&pid=62926

By, M/s. Kanishk Steel Industries Limited, Gummidipoondi

பொது அறிவிப்பு

இதன்மூலம் அனைவருக்கும் தெரிவிப்பது என்னவென்றால் M/s. Kanishk Steel Industries Limited, கும்மிடிபூண்டி, என்பவர்களுக்கு சொந்தமான பிளாட் எண். B 27 (N,M&S) SIPCOT தொழில்துறை வளாகம், கும்மிடிபூண்டி, திருவள்ளூர் மாவட்டம், தமிழ்நாடு என்ற இடத்தில் எஃகு உருக்கும்ஆலை மற்றும் உருளும் ஆலையில் 76000 TPA வின் மீண்டும் உருட்டப்பட்ட தயார்ப்புகள் அல்லது கட்டமைப்புகள் மற்றும் 83,000 TPA வின் MS பில்லெட்டுகள் விரிவாக்கத்திற்கான மற்றும் மேம்பாட்டிற்கான எங்களின் முன்மொழியப்பட்ட கட்டுமானத்திற்காக மாநில சுற்றுசூழல் தாக்கம் மதிப்பீடு ஆணையத்தின் ஒப்புதல் நகல்கள் தமிழ்நாடு மாசு கட்டுப்பாட்டு வாரியம் மற்றும் தமிழ்நாடு மாநில சுற்றுசூழல் தாக்கம் மதிப்பீடு ஆணையத்தின் இணையதளத்தில் பெறலாம்.

இடம்: சென்னை

தேதி: 08.08.2024

M/s. KANISHK STEEL INDUSTRIES LIMITED
Gummidipoondi

ANNEXURES

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ANNEXURE - I

CONSENT TO ESTABLISH

AIR ACT

Category of the Industry :

**ORANG
E**



CONSENT ORDER NO. 2206240023475 DATED: 22/04/2022.

PROCEEDINGS NO.T2/TNPCB/F.0119GMP/OL/GMP/A/2022 DATED: 22/04/2022

SUB: TNPC Board-Consent for Establishment FOR EXPANSION- I KANISHK STEEL INDUSTRIES LIMITED , S.F. No. Plot No. B-27 [N,M&S], SIPCOT Industrial Complex, Gummidipoondi in S.Nos. 275A/2B, 1B of Peddikuppam village and S.Nos. 618/[1A, 1Apt, 1A2B pt, 1B2A pt, 1A3 pt], 621A/[1, 2, 3, 4Apt, 4Bpt, 4B1pt, 4B2pt] and 625pt, OLD GUMMIDIPOONDI Village, Gummidipoondi Taluk, Tiruvallur District- for the establishment or take steps to establish the industry for Expansion under Section 21 of the Air(Prevention and control of Pollution)Act,1981, as amended in 1987 (Central Act, 14 of 1981)-Issued- Reg.

REF: 1. Application No.40023475 dated: 03/09/2021 for CTE – Expansion
2. DEE IR.No : F.0119GMP/OL/AEE/GMP/2022 dated 10/04/2022
3. Minutes of CCC Meeting held on 13/04/2022 (Item No. 289-26 dt: 13/04/2022)

Consent to establish or take steps to establish for Expansion is hereby granted under Section 21 of the Air (Prevention and control of Pollution) Act,1981, as amended in 1987 and the Rules and Orders made there under to

The Director,
M/s . KANISHK STEEL INDUSTRIES LIMITED

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F No.Plot No. B-27 [N,M&S], SIPCOT Industrial Complex, Gummidipoondi in S.Nos. 275A/2B, 1B of Peddikuppam village and S.Nos. 618/[1A, 1Apt, 1A2B pt, 1B2A pt, 1A3 pt], 621A/[1, 2, 3, 4Apt, 4Bpt, 4B1pt, 4B2pt] and 625pt, OLD GUMMIDIPOONDI Village, Gummidipoondi Taluk, Tiruvallur District.

This Consent to establish for Expansion is valid upto **March 31, 2027** , or till the industry obtains consent to operate under Section 21 of the Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.

RAMASAMY
RAJAMANICKAM
Digitally signed by
RAMASAMY RAJAMANICKAM
Date: 2022.04.22 21:48:02
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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Director,
M/s.KANISHK STEEL INDUSTRIES LIMITED ,
Old No.4, New No. 7, Thiru-Vi-Ka 3rd Street,
Royapettah High Road, Mylapore,

Chennai-600 004.,

Pin: 600004

Copy to:

1. The Executive Officer, GUMIDIPOONDI-Town Panchayat, Gummidipoondi Taluk, Tiruvallur District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, GUMMIDIPOONDI.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
4. File

SPECIAL CONDITIONS

1. This consent to establish for Expansion is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	STEEL RE-ROLLED PRODUCTS/STRUCTURAL [using Existing - 7 T Induction Furnace of 3000 KWH panel capacity with melting capacity 30000 T/Annum & Proposed 12 T Induction Furnace of 4500 KWH panel capacity with melting capacity of 66000 T/Annum to produce MS Billets 83000 T/Annum to further produce total saleable re-rolled products/structural]	76000	T/Annum
By-Product Details			
1.	End cut Billets	380.8	T/M
Intermediate Product Details			
1.	Returnable Scrap	479.3	TPM
2.	MS Billets	83000	TPA

2. This consent to establish for Expansion is valid for establishing the facility with the below mentioned emission/noise sources along with the control measures and/or stack .Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent has to be obtained if necessary.

I Point source emission with stack :				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm ³ /hr
1	Induction Furnace 7T (existing)	Bag Filters with stack	32	20664
2	Induction Furnace 12T (proposed)	Bag Filters with stack	32	20160
3	DG Set 250 KVA	Acoustic enclosures with stack	6	
4	DG Set 500 KVA	Acoustic enclosures with stack	9	
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	250KVA DG SET	Fugitive	Acoustic Enclosures	
2.	500KVA DG SET	Fugitive	Acoustic Enclosures	

- 3 **Special Additional Conditions:**

- i. The unit shall install the approved retrofit emission control device/equipment with at least 70% Particulate matter reduction efficiency on all DG sets with capacity of 125 KVA and above or otherwise the unit shall be shift to gas based generators within the time frame prescribed in the notification No. TNPCB/Labs/DD(L)02151/2019 dated 10.06.2020 issued by TNPCB.
- ii. The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

4 Additional Conditions:

1. The unit shall comply with the conditions stipulated in Environmental Clearance issued by SEIAA vide letter No SEIAA-TN/F.No.6430/EC/3(a)/78/2020 dated 10/11/2020.
2. The unit shall not commission its expansion activity (production increase) without obtaining Consent to Operate (CTO-Expansion) of the Board.
3. The unit shall operate and maintain the Air Pollution Control measures attached to existing induction furnace & DG sets efficiently and continuously so as to achieve the AAQ/emission / ANL standards prescribed by the Board.
4. The unit shall conduct AAQ/SM/ANL through TNPC Board lab periodically and furnish ROA to the Board.
5. The unit shall provide Bag filter with stack of height 32m as Air pollution control measures to the proposed Induction Furnaces 12 T so as to achieve the AAQ/emission / ANL standards prescribed by the Board.
6. The unit shall adhere the National Ambient Air Quality / Stack / Ambient Noise Level standards prescribed by the Board from time to time.
7. The unit shall provide Online Continuous Emission Monitoring System (OCEMS) in the stacks of induction furnaces for monitoring emission parameters SPM, SO_x, NO_x, and the same shall be connected with Care Air Centre, TNPCB, Chennai prior to the commissioning of the expansion activity.
8. The unit shall meet the particulate matter standards of 150mg/NM³ for emission from induction furnace.
9. The unit shall continue to develop green belt to an extent of 33% of the total extent of land at rate of 400 trees/hectare.

RAMASAMY
 RAJAMANICKAM

Digitally signed by RAMASAMY
 RAJAMANICKAM
 Date: 2022.04.22 21:48:33 +05'30'

**For Member Secretary,
 Tamil Nadu Pollution Control Board,
 Chennai**

GENERAL CONDITIONS

1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

RAMASAMY
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Date: 2022.04.22 21:48:52
+05'30'

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

ANNEXURE - I

**CONSENT TO ESTABLISH
WATER ACT**

Category of the Industry :

**ORANG
E**



CONSENT ORDER NO. 2206140023475 DATED: 22/04/2022.

PROCEEDINGS NO.T2/TNPCB/F.0119GMP/OL/GMP/W/2022 DATED: 22/04/2022

SUB: TNPC Board-Consent for Establishment FOR EXPANSION- I KANISHK STEEL INDUSTRIES LIMITED , S.F. No. Plot No. B-27 [N,M&S], SIPCOT Industrial Complex, Gummidipoondi in S.Nos. 275A/2B, 1B of Peddikuppam village and S.Nos. 618/[1A, 1Apt, 1A2B pt, 1B2A pt, 1A3 pt], 621A/[1, 2, 3, 4Apt, 4Bpt, 4B1pt, 4B2pt] and 625pt, OLD GUMMIDIPOONDI Village, Gummidipoondi Taluk, Tiruvallur District- for the establishment or take steps to establish the industry for Expansion under Section 25 of the Water(Prevention and control of Pollution)Act,1974 , as amended in 1988 (Central Act 6 of 1974) –Issued- Reg.

REF: 1. Application No.40023475 dated: 03/09/2021 for CTE – Expansion
2. DEE IR.No : F.0119GMP/OL/AEE/GMP/2022 dated 10/04/2022
3. Minutes of CCC Meeting held on 13/04/2022 (Item No. 289-26 dt: 13/04/2022)

Consent to establish or take steps to establish for Expansion is hereby granted under Section 25 of the Water (Prevention and control of Pollution) Act,1974, as amended in 1988(Central Act 53 of 1988) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to

The Director,
M/s. KANISHK STEEL INDUSTRIES LIMITED

Authorizing officer to establish or take steps to establish the industry in the site mentioned below:

S.F. No.Plot No. B-27 [N,M&S], SIPCOT Industrial Complex, Gummidipoondi in S.Nos. 275A/2B, 1B of Peddikuppam village and S.Nos. 618/[1A, 1Apt, 1A2B pt, 1B2A pt, 1A3 pt], 621A/[1, 2, 3, 4Apt, 4Bpt, 4B1pt, 4B2pt] and 625pt, OLD GUMMIDIPOONDI Village,
Gummidipoondi Taluk,
Tiruvallur District.

This Consent to establish for Expansion is valid upto **March 31, 2027**, or till the industry obtains consent to operate under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 whichever is earlier subject to special and general conditions enclosed.

RAMASAMY
RAJAMANICKAM
Digitally signed by RAMASAMY RAJAMANICKAM
Date: 2022.04.22 11:49:23 +05'30'
**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

To
The Director,
M/s.KANISHK STEEL INDUSTRIES LIMITED ,
Old No.4, New No. 7, Thiru-Vi-Ka 3rd Street,

Royapettah High Road, Mylapore,
Chennai-600 004.,
Pin: 600004

Copy to:

1. The Executive Officer, GUMIDIPOONDI-Town Panchayat, Gummidipoondi Taluk, Tiruvallur District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, GUMMIDIPOONDI.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
4. File

SPECIAL CONDITIONS

1. This consent to establish for Expansion is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	STEEL RE-ROLLED PRODUCTS/STRUCTURAL [using Existing - 7 T Induction Furnace of 3000 KWH panel capacity with melting capacity 30000 T/Annum & Proposed 12 T Induction Furnace of 4500 KWH panel capacity with melting capacity of 66000 T/Annum to produce MS Billets 83000 T/Annum to further produce total saleable re-rolled products/structural]	76000	T/Annum
By-Product Details			
1.	End cut Billets	380.8	T/M
Intermediate Product Details			
1.	Returnable Scrap	479.3	TPM
2.	MS Billets	83000	TPA

2. The unit shall provide Sewage Treatment Plant and /or Effluent Treatment Plant as indicated below.

a	Sewage Treatment Plant:		
Treatment status: Septic Tank and SP/DT			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	STP	1	10KL/day.
Treatment status: Individual STP			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Collection tank	1	6.0x3.0x3.0
2.	Aeration tank	1	1.5 m x 1.5 m x 3.0
3.	Settling tank	1	1.5 m x 1.5 m x 2.5
4.	FILTER FEED TANK	1	1000 L Sintex
5.	PRESSURE SAND FILTER	1	0.300 dia x 1.1 m ht
6.	Activated Carbon Tank	1	0.250 dia x 0.9 m ht
7.	Sludge drying bed	2	1.0x1.0x1.50
b	Effluent Treatment Plant:		
Treatment status: Individual ETP			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Solar Evaporation Pan	1	2.5m x 2.0m x 1.5 m
Treatment status: No trade effluent and hence does not arise			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.			

3. This consent to establish for Expansion is valid for establishing the facility with the below mentioned outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	Sewage	7.9	On land for gardening
Effluent Type : Trade Effluent			
1.	Trade Effluent -1	19.0	Recycling to machine cooling
2.	Trade Effluent -2	2.45	Solar Evaporation Pans

4. **Special Additional Conditions:**

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

5. **Additional Conditions:**

1. The unit shall comply with the conditions stipulated in Environmental Clearance issued by SEIAA vide letter No SEIAA-TN/F.No.6430/EC/3(a)/78/2020 dated 10/11/2020.
2. The unit shall furnish an undertaking in Rs.100 stamp paper that "it will abide by the outcome of application submitted for NOC before the National Bird Sanctuary Board" within 15 days to TNPCB.
3. The unit shall not commission its expansion activity (production increase) without obtaining Consent to Operate (CTO-Expansion) of the Board.
4. The unit shall operate and maintain the existing Sewage Treatment Plant (STP) efficiently and continuously for treatment of sewage so as to bring the quality of treated sewage to satisfy the discharge standards prescribed by the Board at all times. The treated sewage shall be utilized for gardening/green belt development within the premises.
5. The unit shall provide elevated Solar Evaporation Pan (SEP) of adequate surface area for the disposal of trade effluent arising from the wet scrubber bleed off by evaporation as proposed.
6. The unit shall provide EMFMs in the fresh water consumption, inlet & outlet of STP and line of trade effluent (Scrubber bleed off) to SEP.
7. The solid wastes such as MS Scale from concast machine, Mill scale & furnace slag shall be collected properly and sent for beneficial use without any accumulation within the premises. Records of transport & disposal in this regard shall be maintained
8. The unit shall collect the end cut billets properly and reuse the same again the process.
9. The unit shall utilize the STP sludge as manure for green development inside the premises.
10. The unit shall submit the Environmental Statement for the financial year ending on 31st March on or before 30th of September every year.
11. The unit shall not use 'single use and throwaway plastic items' such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead unit shall encourage use of eco-friendly alternative such as banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, jute bag etc.

RAMASAMY
 RAJAMANICKAM
 Digitally signed by RAMASAMY
 RAJAMANICKAM
 Date: 2022.04.22 21:49:53 +05'30'
For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

GENERAL CONDITIONS

1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

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Date: 2022.04.22 21:50:13 +05'30'

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

ANNEXURE - II
REPORT OF ANALYSIS



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Ambattur.

From

Dr. K.Sarumathy M.Sc., M.Phil., P.hD,
Deputy Chief Scientific Officer,
District Environmental Laboratory,
No.77-A South Avenue Road,
Ambattur Industrial Estate, Ambattur,
Chennai 600 058.

To

M/S. Kanishk Steel Industries Ltd
Plot No B-27
SIPCOT Industrial Complex
Gummidipoondi
Pin 601201

Lr.No.TNPCB/ ROA No.27/2024 - 25/DEL/AMB/AAQS/SM

Dated: 02.07.2024

Sir,

Sub: Furnishing of Report of Analysis of Ambient Air Quality/Stack Monitoring / Ambient Noise Level Survey-regarding.

Ref: 1. G.O.(2D) No. 13 dated:31.08.2021
(Revised Rate From 01.09.2021)
2.This Office.Lr.No.50/2024-25 Dated : 18.06.2024
3.Cash Receipt No.121 Dated : 21.06.2024
Rs. 84,350
4. Your ltr. No.121 Dated : 21.06.2024

I am sending herewith the Report of Analysis of Ambient Air Quality /Stack Monitoring/Ambient Noise level.Survey conducted in the vicinity of your Industry on 26.06.2024 with an invoice for a sum of Rs.84,350.00/- (Rupees Eighty Four Thousand Three Hundred and Fifty Only) towards the above survey/analysis charges, and same has been adjusted with the advance fees received vide reference cited.

Kindly acknowledge the receipt of the report without fail.

** Saru*
2/7/24
Deputy Chief Scientific Officer,
DEL, Ambattur

Encl: As above

Copy to:

1. The District Environmental Engineer, TNPCB, Gummidipoondi
2. File



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Ambattur.

Ambient Air Quality Survey - Report of Analysis

ROA No. 27/AAQS/2024 - 25

Dated: 02.07.2024

1. Name of the Industry : M/S. Kanishk Steel Industries Ltd
 2. Address of the Industry : Plot No B-27
 SIPCOT Industrial Complex
 Gummidipoondi
 Pin 601201
 3. Date of survey : 26.06.2024 Consent No: 2307255530846
 4. Duration of Survey : Eight hours Dated: 08.12.2023
 5. Category : OL Validity Upto : March 31st 2033
 6. Land use classification : Industrial

Ambient Temperature (°C)	Min	Max	Relative Humidity (%)	Min	Max
	30.0	36.0		42	59
Weather Condition	Clear Sky		Rain Fall (mm)	Nil	
Predominant Wind Condition	South West To North East		Mean Wind Speed (Km/hr)	15 Km/Hr	

Ambient Air Quality Survey Results

Sl. No	Location	*Direc tion	Dista nce (m)*	Height from GL (m)	Pollutants Concentrations (µg/m ³)			
					PM ₁₀	PM _{2.5}	SO ₂	NO ₂
1	On Top of Scaffolding Near Admin Building	NE	60	2.0	68.1	--	13.5	15.6
2	On Top of Scaffolding Near labour quarters	E	50	2.0	89.1	38.4	16.6	19.1
3	On Top of Scaffolding Near storage yard	SE	60	2.0	72.1	--	16.2	18.8
4	On Top of Scaffolding Near stores	SW	70	2.0	85.6	--	17.1	19.7
5	On Top of Scaffolding Near laboratory	NW	80	2.0	70	40.1	18.3	21.2

Note:- * With respect to major emission sources.

The analytical results are restricted to the sampling period of 8 Hrs/24Hrs.

Test performed	Test Method
PM ₁₀	IS 5182: (Part 23) - 2006
SO ₂	Modified West-Graeke /IS 5182: (Part2)-2001 RA:2012
NO ₂	Jacobs-Hochheise /IS 5182: (Part6)-2006 RA:2012

S. Sankar
2/7/24
Deputy Chief Scientific Officer,
DEL, Ambattur



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Ambattur.

Stack Monitoring Survey - Report of Analysis

ROA No. 27/AAQS/2024 - 25

Dated: 02.07.2024

1. Name of the Industry : **M/S. Kanishk Steel Industries Ltd**
2. Address of the Industry : Plot No B-27
SIPCOT Industrial Complex
Gummidipoondi
Pin 601201
3. Date of survey : 26.06.2024
4. Type of the Industry : Steel

Stack Monitoring Survey Results

Sl.No	Stack attached to	Stack Temp in K	Velocity in (M/sec)	Discharge Rate in (Nm ³ /hr)	Pollutants (mg/Nm ³)		
					PM	SO ₂	NO ₂
1	Induction furnace - 7 Ton Fuel:- EB APC Measure:- Bag Filters	416	11.8	34399	50.1	101.3	130.9
2	Induction furnace - 12 Ton Fuel:- EB APC Measure:- Bag Filters	403	11.1	33401	48.5	106.6	134.5

Test performed	Test Method
PM ₁₀	IS 5182: (Part 23) - 2006
SO ₂	Modified West-Graeke /IS 5182: (Part2)-2001 RA:2012
NO ₂	Jacobs-Hochheise /IS 5182: (Part5)-2006 RA:2012


 Deputy Chief Scientific Officer,
 DEL, Ambattur



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Ambattur.
Ambient/Source Noise Level Survey-Report of Analysis

ROA No. 27/AAQS/2024 - 25

Dated: 02.07.2024


1	Name of the Industry	M/S. Kanishk Steel Industries Ltd		
2	Address of the Industry	Plot No B-27 SIPCOT Industrial Complex Gummidipoondi Pin 601201		
3	Date of survey	26.06.2024		
4	Category	OL	Land Use Classification	Industrial
	Type of survey	Ambient/Source	Time of Survey	Day
	Meteorological Conditions	Calm		

Logging Parameters

Instrument Used	CESVA	Serial No.	T243104
Logging Interval	30 Minutes in each point	Measuring Range	50-110 dB(A)
Weighting	"A" Peak Weighting	"C" Time Weighting	Slow
Sound Incidence	RANDOM	Time in Hrs.	15:30 - 16:20 Hrs

S.no	Location	Duration (min)	Distance (m)	Direction	Sound Level – dB(A)		
					Leq	LMin	LMax
1	Near Admin Building	30	60	NE	70.5	66.2	85.2
2	Near labour quarters	30	50	E	74.0	70.6	88.6
3	Near storage yard	30	60	SE	69.4	65.3	82.6
4	Near stores	30	70	SW	72.6	69.4	87.3
5	Near laboratory	30	80	NW	85.1	61.3	78.2

Leq Value is the average energy for the measured period


 Deputy Chief Scientific Officer,
 DEL, Ambattur


TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Ambattur

Invoice Bill

To
M/S. Kanishk Steel Industries Ltd
 Plot No B-27
 SIPCOT Industrial Complex
 Gummidipoondi
 Pin 601201

Bill No : 27/2024 - 25
Date : 02.07.2024

Ref: 1. G.O.(2D) No. 13
 (Revised Rate From 01.09.2021)
 2.This Office.Lr.No.50/2024-25
 3.Cash Receipt No.121
 Rs. 84,350
 4. Your ltr. No.121


dated:31.08.2021

Dated : 18.06.2024

Dated : 21.06.2024

Dated : 21.06.2024

Sl. No.	Description	Rate (Rs.)	No of Stations/ Stacks	Amount (Rs.)
1	Sampling Charges			
(i)	Ambient Air Quality Monitoring PM ₁₀ , SO ₁₀ , NO ₂	3500	5	Rs. 17,500
(ii)	Ambient Air Quality Monitoring (PM _{2.5})	3500	2	Rs. 7,000
(iii)	Source Emission Samples PM, SO ₂ , NO ₂	13100	2	Rs. 26,200
2	Analytical Charges			
(i)	Ambient Air Samples PM ₁₀ , SO ₂ , NO ₂ (each Rs.1050/-)	3150	5	Rs. 15,750
(ii)	Ambient Air Quality Monitoring (PM _{2.5})	1800	2	Rs. 3,600
(iii)	Source Emission Samples PM, SO ₂ , NO ₂ (each Rs.1050/-)	3150	2	Rs. 6,300
3	Ambient Noise Level Monitoring charges			
(i)	For first 5 stations	7000	1	Rs. 7,000
4	Transportation Charges			Rs. 1,000
Total (Rs.)				Rs. 84,350
Less: Advance Amount CR. No: 121 dt 21.06.2024				Rs. 84,350
Balance amount				Nil


 Deputy Chief Scientific Officer,
 DEL, Ambattur



Plot No. 19, ALEAP Industrial Estate,
SY. No's 342, Near Pragathi Nagar,
Quthbullapur Mandal and Municipality,
Ranga Reddy Dist. Telangana - 500 090.
Email: kiwislabhyd@gmail.com
Ph: 99666 61485 / 040-23816333

TEST REPORT

Page 1 of 2

Report No: KIWIS/W/COM/24/09

Name and address of the client

**M/s. Kanishk Steel Industries Limited,
S.F. No. B-27 (N,M & S) SIPCOT Industrial
Complex, Peddikuppam Village, Gummidipoondi,
Tiruvallur district Pin: 601 201.**

<i>Date of report</i>	: 08-05-2024	<i>Sample Collected by</i>	: Kiwis Eco Laboratories Pvt Ltd.,
<i>Date of sampling</i>	: 28-04-2024	<i>Sample Collected in</i>	: in Plastic Cans
<i>Sample received on</i>	: 30-04-2024	<i>Sampling Procedure</i>	: KIWIS/SOP/ Lab - 258
<i>Analysis starting date</i>	: 30-04-2024	<i>Sample registration no/Code</i>	: KSIL/W/COM/04/24/129
<i>Analysis completion date</i>	: 08-05-2024	<i>Sample description</i>	: Water Quality Monitoring
<i>Sub Contract Testing</i>	: NA	<i>Name of the Location</i>	: Ground water at Plant site

Samples are analyzed "as Received basis"

S.No	Parameter	Unit	Method	Result	IS 10500 (Acceptable Limits)	IS 10500 (Permissible Limits)
1	Color	Hazen	APHA 2120 C	<5.0	5	15
2	Turbidity	NTU	APHA 2130 B	<1.0	1	5
3	pH @ 25.0°C	-	APHA 4500H+ B	6.9	6.5-8.5	No relaxation
4	Electrical Conductivity	µmho/Cm	APHA 2510 - B	3270	Not Specified	Not Specified
5	Total Dissolved solids	mg/L	APHA 2540 C	1950	500	2000
6	Total Solids	mg/L	APHA 2540 B	1958	Not Specified	Not Specified
7	Alkalinity as CaCO ₃	mg/L	APHA 2320 B	171	200	600
8	Hardness as CaCO ₃	mg/L	APHA 2340 C	820	200	600
9	Calcium as Ca	mg/L	APHA 3500 Ca B	233	75	200
10	Magnesium as Mg	mg/L	APHA 3500-Mg B	58	30	100
11	Chlorides as Cl ⁻	mg/L	APHA 4500 Cl ⁻ B	759	250	1000
12	Sulphates as SO ₄	mg/L	APHA 4500 SO ₄ D	158	200	400
13	Nitrate as NO ₃	mg/L	APHA 4500 NO ₃ B	4.4	45	No relaxation

Note : This report is subject to the terms and conditions mentioned overleaf



Plot No. 19, ALEAP Industrial Estate,
SY. No's 342, Near Pragathi Nagar,
Quthbullapur Mandal and Municipality,
Ranga Reddy Dist. Telangana - 500 090.
Email: kiwislabhyd@gmail.com
Ph: 99666 61485 / 040-23816333

TEST REPORT

Page 2 of 2

Report No: KIWIS/W/COM/24/09

Samples are analyzed "as Received basis"

S.No	Parameter	Unit	Method	Result	IS 10500 (Acceptable Limits)	IS 10500 (Permissible Limits)
14	Sodium as Na	mg/L	APHA 3500 Na B	460	Not Specified	Not Specified
15	Potassium as K	mg/L	APHA 3500 K B	18	Not Specified	Not Specified
16	Fluoride as F	mg/L	APHA 4500F- D	< 0.5	1	1.5
17	Iron as Fe	mg/L	APHA 3500 Fe B	< 0.3	1	No relaxation
18	Zinc as Zn	mg/L	APHA 3111 B	< 0.2	5	15
19	Cyanide as CN ⁻	mg/L	APHA 4500 CN- C, E	< 0.05	0.05	No relaxation
20	Phenolic Compounds as C ₆ H ₅ OH	mg/L	APHA 5530 D (Direct Photometric Method)	< 0.001	0.001	0.002
21	Lead as Pb	mg/L	APHA 3111 B	< 0.01	0.01	No relaxation
22	Mercury as Hg	mg/L	APHA-3112 Hg B	< 0.001	0.001	0.001
23	Manganese as Mn	mg/L	APHA 3111 B	< 0.1	0.1	0.3
24	Cadmium as Cd	mg/L	APHA 3111 B	< 0.003	0.003	No relaxation
25	Chromium as Cr ^{VI}	mg/L	APHA 3500 Cr B	< 0.01	0.05	No relaxation
26	Copper as Cu	mg/L	APHA 3111 B	< 0.05	0.05	1.5
27	Total Coliform	MPN/ 100ml	APHA 9221B	< 0.05	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample
28	E-Coli	MPN/ 100ml	APHA 9221G	< 1.8	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample

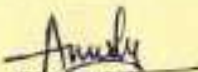
Methods follow: APHA 24th Edition

Opinion and interpretation: Nil

NA: Not Applicable

- Reports pertained only to the submitted sample
- Test reports shall not be reproduced except in full, without written approval of the laboratory

Checked By


(V. Anusha)
(Sr. Chemist)

Authorized Signatory


(C. Sateesh)
(Manager Laboratory)

End of the Report

ANNEXURE - III

CSR AFFIDAVIT

Vimla like.



தமிழ்நாடு தமில்நாடு TAMILNADU Rs.100/-
 Kanishk Steel Industrial Ltd
 Gummidipoondi

BY 641000

V.S.K.
 KANNAN

95/10/20

AFFIDAVIT

We hereby propose and promise to the following developments and works at Gummidipoondi near our Factory;

1. Drinking-water provision at Ganganthotty Village by installing 2 heavy duty hand pumps including bore drilling and platform; Cost of 2 Numbers @ Rs.70,000/- each
Rs.1,40,000/-
2. Providing retaining walls to Government Elementary School at Ma Po Si Nagar, Gummidipoondi for a length of 72 Metres with 1.8 Metre Height; Cost of construction including materials: Rs.3,60,000/-;
3. Provision of Toilets for the same school;
2 Number Toilets @ Rs.60,000/- each Rs.1,20,000/-;
4. Provision of 3 Number Toilets at Ganganthotty Village @ Rs.75,000/- , Rs.2,25,000/-

The total cost works out to Rs.8,45,000/- in all



S. MUTHU KUMARAN
 ADVOCATE & COMMISSIONER OF O.A.

KANISHK STEEL INDUSTRIES LTD.

Director

ANNEXURE - IV

SAFETY TRAINING SESSION

SAFETY TRAINING SESSION

PLACE:

OP STEELS LTD

B-27 (M) SIPCOT Industrial complex,

GUMMUDIPOONDI - 601 201.

Date: 26th May, 2023.

By

Deputy Director (DISH) Mr.Durairaj

Deputy Director (DISH) Mr. G.Ashok

Director OP Steels Ltd Mr. Ashok

Participants : Staff & Employees of M/s OP Steels Ltd.





























ANNEXURE - V
M/S KSIL MOU WITH HOSPITAL

MEMORANDUM OF UNDERSTANDING

A Memorandum of Understanding was made on 1ST JANUARY, 2023 at Chennai, Tamil Nadu.

BETWEEN

"HNX Healthcare Pvt Ltd" hereinafter referred to as "HNX Healthcare" which expression shall unless it be repugnant to the context or meaning thereof be deemed to mean and include its assessors and assigns of "HNX Healthcare Pvt Ltd"

AND

"KANISHK STEEL INDUSTRIES LTD" has its office at NO B-27 M & N Sipcot Industrial Complex, Gummidipoondi - 601201 (Formely OP STEEL LIMITED, NO B-27 M Sipcot Industrial Complex, Gummidipoondi-601201), Tamil Nadu, India, hereinafter referred to as "KANISHK STEEL" which expression shall unless it be repugnant to the context or meaning thereof be deemed to mean and include its assessors and assigns of "KANISHK STEEL".

Whereas, "KANISHK STEEL" has had a mutual discussion for the purpose of Operation & Maintenance of Health Checkup and OPD / IP facilities for their existing & retired employees and to their dependents.

HNX Healthcare Pvt Ltd have agreed to provide Operation & Maintenance of Health Checkup and OPD/IP for their existing & retired employees and to their dependents visiting the Hospital at the below mentioned addresses:

ALPHA HOSPITALS
GUMMIDIPOONDI

340/2 A, RAJU COMPLEX, PAPPAN
KUPPAM VILLAGE OPP MITSUBA
GUMMIDIPOONDI 601201



Both the parties do hereby agree as follows:

This MOU is valid for 2 (Two) years from 1ST JANUARY, 2023

1. **HNX Healthcare** agrees to provide health checkups/ Pre employment health checks and all diagnostic treatments, consultants and other procedures for OP visits / IP and during emergencies to the employees of "KANISHK STEEL REFINERIES" (Existing & Retired employees and their dependents).

As a Privileged member "KANISHK STEEL", associates and family members can avail the following benefits at **ALPHA Hospitals** by displaying their ID & letter from concerned authority.

- In Patient 10% discount (Excluding cost of medicines, implants, consumables).
 - IP discount is not applicable during health insurance covering patient treatment expenses.
 - During outpatient treatment 10% discount will be given on investigations and consultations.
 - HNX Healthcare will provide half yearly health check-up camps and quarterly Health awareness talks for free of cost in a year and also conducts paid camps as many as the corporate requirements.
 - Ambulance services will be provided at free of cost for IP admission patients within Chennai limits.
 - Home-care services will be provided along with doctor and nurse based on the emergency need along with medicines at the patient place itself with special consideration will be on confirmation letter from the company stating to provide for the consent employee or retired person.
 - Health checkup packages / rates will be charged by HNX Healthcare as agreed, mentioned in the annexure-1
2. The employee will produce a letter from authority & employee ID card, at the time of admission applicable if the payment is done by "KANISHK STEEL".

3. In case of emergency/ accident/ serious illness, the employee can be admitted to the hospital on producing his identity card / mediclaim card, in such case we will extend necessary medical facilities and intimate you within 24hours. "KANISHK STEEL", will respond immediately and mail the letter of treatment approval advise
4. HNX Healthcare will submit the hospital bill within 7 days attested by the hospital authority if the payment is made by "KANISHK STEEL" the payment will be cleared within 30 days through NEFT Payment.
5. HNX Healthcare will give Treatment to "KANISHK STEEL" existing & retired employees and their dependents, based on Cash basis or Credit basis, On submission of Authorization letter / Mail issued by the Company in favor of the employee.
6. One point of contact needed from the "KANISHK STEEL" for any emergency to be reported to ALPHA HOSPITALS, who will be trained by us for the first aid management and intimating to the hospital regarding the emergency, based on emergency requirement ambulance will be sent to receive the patient for further management.
7. Referral procedure
 "KANISHK STEEL"- Alpha Hospital - Secondary/ Tertiary care
 Time duration: 45 - 50 mins MAX, they patient will get admitted in higher center after getting stabilized in Alpha Hospitals

Governing Law, Dispute Resolution & Jurisdiction

- a) This Agreement shall be governed by the Laws of India.
- b) The agreement may be terminated by any of the parties by giving one month prior written notice to the other party.
- c) In the event that the representatives of each Party fail to resolve the dispute, either Party shall be free to approach the Courts for resolution of the dispute.
- d) The Courts of Chennai, Tamil Nadu shall have exclusive jurisdiction over any disputes arising out of this Agreement.

The parties have caused this MOU to be executed by their respective duly authorized representatives.



MR. ASHOK KUMAR BOHRA
Director & GM
KANISHK STEEL INDUSTRIES LTD
Authorized Signatory



Dr. GIRISH DEVANADAN. P
Medical Director
HNX Healthcare Pvt Ltd
Authorized Signatory



MR. BALA GOVIND. S
Chief Operating Officer
Alpha Hospital
Authorized Signatory



ALPHA HOSPITALS

A Unit of HNX Health Care Pvt Ltd

(Opposite To Mitsuba Company, Gummidipoondi)

No.340/2A, Raju Complex, Bypass Road, Pappan Kuppam Village,

Gummidipoondi, Thiruvallur 601201. **GSTIN : 33AAFCH7087Q1ZV**

Contact : 8925414999

Whole Body Health Checkup Details - Male - Rs 3999/-

Hematology

Hemoglobin
Red Blood cell count(RBC)
Total Count
Differential Count
Peripheral smear
ESR

Platelet Count

Diabetes Assessment

Blood Sugar Fasting

HbA1c

Lipid Profile

Total Cholesterol

HDL

LDL

VLDL

Triglycerides

Total Cholesterol / HDL Ratio

LDL / HDL Ratio

Liver Function Test

Total Protein, Albumin, Globulin

A / G Ratio

Alkaline Phosphatase

SGPT

SGOT

GGTP

Bilirubin - Total & Indirect

Kidney Assessment

Serum Urea

Serum Creatinine

Serum Uric Acid



ALPHA HOSPITAL

ALPHA HOSPITALS

A Unit of HNX Health Care Pvt Ltd

(Opposite To Mitsuba Company, Gummidipoondi)

No. 340/2A, Raju Complex, Bypass Road, Pappan Kuppam Village,

Gummidipoondi, Thiruvallur 601201. GSTIN : 33AAFCH7087Q1ZV

Contact : 8925414999



Cardiac Assessment
ECHO
Treat Mill Test
PFT (Pulmonary Function Test)
General Test
Complete Urine Analysis
Stool Examination
ECG (Resting)
X-Ray Chest
Ultrasound Abdomen Scan
Per Rectal Examination (For Men)
Serum Calcium & phosphorus & S Electrolytes
HbsAg
Reticulocyte Count
PSA for Men
Breakfast
Clinical Opinion
Physicians Consultation
Speciality Dr. Consultation (as required)



ALPHA HOSPITALS

A Unit of HNX Health Care Pvt Ltd

(Opposite To Mitsuba Company, Gummidipoondi)
 No.340/2A, Raju Complex, Bypass Road, Peppan Kuppam Village,
 Gummidipoondi, Thiruvallur 601201. GSTIN : 33AAFCH7087Q1ZV
 Contact : 8925414999

Whole Body Health Checkup Details L- Female - Rs 4499/-

Hematology

Hemoglobin

Red Blood cell count(RBC)

Total Count

Differential Count

Peripheral Smear

ESR

Platelet Count

Diabetes Assessment

Blood Sugar Fasting

HBA1c

Lipid Profile

Total Cholesterol

HDL

LDL

VLDL

Triglycerides

Total Cholesterol / HDL Ratio

LDL / HDL Ratio

Liver Function Test

Total Protein, Albumin, Globulin

A / G Ratio

Alkaline Phosphatase

SGPT

SGOT

GGTP

Bilirubin - Total & Indirect

Kidney Assessment

Serum Urea

Serum Creatinine

Serum Uric Acid



**Cardiac Assessment**

ECHO
Treat Mill Test
PFT (Pulmonary Function Test)
General Test
Complete Urine Analysis
Stool Examination
ECG (Resting)
X-Ray Chest
Ultrasound Abdomen Scan
Pap Smear (for Woman)
Serum Calcium & phosphorus & S.Electrolytes
HbsAg
Mammogram for Women
Reticulocyte Count
Ultrasound of Breast for woman if required
Breakfast
Clinical Opinion
Physicians Consultation
Speciality Dr. Consultation (as required)

**ALPHA HOSPITALS**

A Unit of HNX Health Care Pvt Ltd

(Opposite To Mitsuba Company, Gummidipoondi)

No.340/2A, Raju Complex, Bypass Road, Pappan Kuppam Village,

Gummidipoondi, Thiruvallur 601201. GSTIN : 33AAFCH7087Q1ZV

Contact : 8925414999



Pre- Employment Health checkup - Rs 1400 /-

1. E.C.G

2. X-Ray Chest

3. Blood Tests

Complete Haemogram (which includes RBC Count, Hemoglobin, Total WBC Count, ESR, Packed Cell Volume, Differential Count)

Blood Sugar Fasting

Blood Grouping & RH Type

Urea, Creatinine

Cholesterol

Urine Routine

4. Ophthalmic Examination

5. ENT Examination (With Audiometry Test)

6. Spirometry

7. General Examination



ALPHA HOSPITALS

A Unit of HNX Health Care Pvt Ltd

(Opposite To Mitsuba Company, Gummidipoondi)

No.340/2A, Raju Complex, Bypass Road, Pappan Kuppam Village,

Gummidipoondi, Thiruvallur 601201. GSTIN : 33AAFCH7067Q1ZV

Contact : 8925414999

Annexure :2

Locations details:

ALPHA HOSPITALS
GUMMIDIPOONDI

340/2 A, RAJU COMPLEX, PAPPAN
KUPPAM VILLAGE OPP MITSUBA
GUMMIDIPOONDI 601201



Handwritten signature and circular stamp of Alpha Hospital. The stamp contains the text "ALPHA HOSPITAL" and "GUMMIDIPOONDI" around the perimeter, with a date "9/11" and a number "23" in the center.



Annexure: 3

Hospital Contacts:

Contact Person for all Appointments/ Enquiry:

1. Dr Vinod Babu / 7277723456
(Chief Executive Officer)
Timing: 24/7

2. Mr. NITIN PRASAD / 9790850909
(DGM - Corp. Relations)
Timing (9am – 6pm)



ALPHA HOSPITALS

A Unit of HNX Health Care Pvt Ltd

(Opposite To Mitsuba Company, Gummidipoondi)

No.340/2A, Raju Complex, Bypass Road, Pappan Kuppam Village,

Gummidipoondi, Thiruvallur 601201. GSTIN : 33AAFCH7087Q1ZV

Contact : 8925414000

ANNEXURE - VI

**HAZARDOUS WASTE
AUTHORIZATION**



AUTHORISATION No. 22HFC43641507 dated 30/08/2022

Proceeding No. T2/TNPCB/F.0119GMP/HWA/OL/GMP/2022 dated 30/08/2022

Sub: Tamil Nadu Pollution Control Board – Hazardous Waste Authorization-Fresh- M/s. KANISHK STEEL INDUSTRIES LIMITED , S.F.No. Plot No. B-27 [N,M&S], SIPCOT Industrial Complex, Gummidipoondi in S.Nos. 275A/2B, 1B of Peddikuppam village and S.Nos. 618/[1A, 1Apt, 1A2B pt, 1B2A pt, 1A3 pt], 621A/[1, 2, 3, 4Apt, 4Bpt, 4B1pt, 4B2pt] and 625pt, OLD GUMMIDIPOONDI Village, GUMMIDIPOONDI Taluk, Tiruvallur District - Authorization under Rule 6 (2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 enacted under Environment (Protection) Act, 1986 – Issued- Reg.

Ref: 1. Application No. 43641507 dated 22/02/2022 and resubmitted on 05.07.2022 under HOWM Rules, 2016
2. HWA-IR.No.0119GMP/HWA/OL/DEE/GMP/2022 dated 20/07/2022

FORM 2

[See rule 6 (2)]

FORM FOR GRANT OR RENEWAL OF AUTHORISATION TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

- Number of authorization: 22HFC43641507 and dated : 30/08/2022
- The Director of M/s. KANISHK STEEL INDUSTRIES LIMITED is hereby granted an Authorisation based on the enclosed signed Inspection report for Generation, Collection, storage & transportation of hazardous or other wastes or both on the premises situated at S.F.No. Plot No. B-27 [N,M&S], SIPCOT Industrial Complex, Gummidipoondi in S.Nos. 275A/2B, 1B of Peddikuppam village and S.Nos. 618/[1A, 1Apt, 1A2B pt, 1B2A pt, 1A3 pt], 621A/[1, 2, 3, 4Apt, 4Bpt, 4B1pt, 4B2pt] and 625pt, OLD GUMMIDIPOONDI Village, GUMMIDIPOONDI Taluk, Tiruvallur District.

SI No	Schedule / Name of the Processes	Name of Hazardous Waste (with category No)	Quantity	Activities for which Authorization is issued
1	Schedule I /5. Industrial operations using mineral or synthetic oil as lubricant in hydraulic systems or other applications	5.1-Used or spent oil	0.3 T/Annum	Generation, Collection, Storage, Send to HW Recyclers for recycling (Recyclable)
2	Schedule I /5. Industrial operations using mineral or synthetic oil as lubricant in hydraulic systems or other applications	5.2-Wastes or residues containing oil	1 T/Annum	Generation, Collection, Storage, Send to M/s GEPIL for pre-processing and co processing in cement kilns (Utilizable)
3	Schedule I /35. Purification and treatment of exhaust air/gases, water and waste water from the processes in this schedule and common industrial effluent treatment plants (CETP's)	35.1-Exhaust Air or Gas cleaning residue	25 T/Annum	Generation, Collection, Storage, Send to M/s GEPIL for pre-processing and co processing in cement kilns (Utilizable)

- This authorization shall be valid for a period upto 31/03/2027.

The Authorization is issued subject to the following general and special conditions annexed.

RAMASAMY
 RAJAMANICKAM
 Digitally signed by RAMASAMY
 RAJAMANICKAM
 Date: 2022.08.31 13:13:57 +05'30'
For Member Secretary
Tamil Nadu Pollution Control Board
Chennai

A. GENERAL CONDITIONS OF AUTHORIZATION

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by Tamil Nadu Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this Authorisation.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorised shall implement Emergency Response procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire ,etc and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person authorised shall comply with the provisions outlined in the CPCB guidelines on “Implementing Liabilities for Environmental damages due to Handling and Disposal of Hazardous Wastes and Penalty”.
7. It is the duty of the authorized person to take prior permission of Tamil Nadu Pollution Control Board to close down the facility.
8. The imported Hazardous and other wastes shall be fully insured for transit as well as the accidental occurrences and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The Hazardous and other wastes which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of Authorisation.
11. The importer or Exporter shall bear the cost of import or export or mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the MoEF and CC or CPCB from time to time.
14. Annual returns shall be filed by June 30th for the period ending 31st March of the previous financial year.

D. SPECIFIC CONDITIONS - Actual Users (Recyclers/Pre-processors/Co-processors)

1. The actual user shall be responsible for safe and environmentally sound management of hazardous and other wastes
2. The actual user shall procure and process the hazardous and other wastes for reuse, recycle, pre-process, utlise including co-processing for beneficial purposes only.
3. The utilisation of hazardous and other wastes as a resource or after pre-processing either for co-processing or for any other use, including within the premises of the generator (if it is not part of process), shall be carried out only after obtaining authorisation from TNPCB in respect of waste on the basis of standard operating procedures or guidelines provided by the Central Pollution Control Board.
4. The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation
5. Handing over of the hazardous and other wastes to the authorised actual user shall be only after making the entry into the passbook of the actual user
6. The actual user handling hazardous and other wastes shall file an annual return in Form 4 to TNPCB on or before the 30th day of June following the financial year to which that return relates.

7. The actual user or the transporter shall immediately intimate TNPCB through telephone, e-mail about the accident and subsequently send a report in Form 11, where an accident occurs at the facility of the occupier handling hazardous or other wastes and operator of the disposal facility or during transportation
8. The actual user, importer or exporter shall be liable for all damages caused to the environment or third party due to improper handling and management of the hazardous and other wastes.
9. The actual user shall not be permitted to import hazardous and other wastes from any country to India for disposal.
10. The actual user shall not be permitted to import hazardous and other wastes specified in Schedule VI of the rules.
11. The actual user shall import hazardous and other wastes from any country only for recycling, recovery, reuse and utilisation including co-processing.
12. The actual user shall import the hazardous waste as in Part A of Schedule III after obtaining prior informed consent of the exporting country and the permission of the Ministry of Environment, Forest and Climate Change
13. The actual user shall maintain records of the hazardous and other waste imported by him in Form 3 and the record so maintained shall be made available for inspection.

ADDITIONAL SPECIFIC CONDITIONS

1. The unit shall comply with the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended from time to time while handling of hazardous waste.
2. The unit shall collect, store and send Schedule-1 HW category 5.1-Used or spent oil generated to TNPCB Authorised Recycler having valid consent under Water & Air Acts & Authorization under HOWM Rules, 2016 for recycling.
3. The unit shall collect, store and send Schedule-1 HW categories 35.1- Exhaust Air or Gas cleaning residue generated & 5.2-Wastes or residues containing oil to TNPCB Authorised Pre-processor M/s GEPIL having valid consent under Water & Air Acts & Authorization under HOWM Rules, 2016 for Pre-processing and send to Co-processing in cement kilns.
4. The unit shall store the hazardous wastes in containers, barrels etc with labelling on impervious floor under closed shed within the premises for a period not exceeding ninety days as per the Rule 8 of HOWM Rules, 2016.
5. The unit shall procure/purchase the iron & steel scraps from generating industries from domestic sourcing as permitted for captive use for the production of steel re-rolled products as consented.
6. The unit shall import the iron & steel scraps as mentioned in the other wastes listed under Basel No. B1010 in Part-D of Schedule-III of the HOWM Rules, 2016 using Import Export Code certificated issued O/o of Additional Director General of Foreign Trade, Chennai as permitted directly for captive use purpose as raw material in the production of product steel re-rolled products and shall restrict/avoid sourcing imported metal scrap thro' various traders
7. The unit shall store the imported & domestic sourced ferrous metal scraps in an earmarked area under shed within the premises.
8. The unit/actual user shall obtain all required information from authorities of the exporting country on the nature of waste imported and ensure that no explosive or other material causing environmental damage is imported along with the said waste
9. In case of environmental damages arising due to improper handling of hazardous wastes including accidental spillage during generation, storage, processing, transportation and disposal, the unit shall be liable to implement immediate response measures, environmental site assessment and remediation of contaminated soil/ groundwater/ sediment etc. as per the "Guidelines on Implementing Liabilities for Environmental Damages due to Handling & Disposal of Hazardous Wastes and Penalty" published by CPCB
10. The unit shall maintain records in FORM-3 for hazardous waste generation & disposal, metal scraps imported, utilised, furnish Annual Returns in FORM-4 for every financial year before 30th June & manifest document in Form-10 for transport of hazardous waste as per provisions of HOWM Rules, 2016.
11. The unit shall update information on HW details in the display board installed at the factory entrance gate regularly.

12. The unit shall operate with valid Consent under Water Act & Air Act and Authorization under HOWM Rules, 2016 at all times.

Digitally signed by RAMASAMY
RAJAMANICKAM
Date: 2022.08.31 13:14:22 +05'30'

**For Member Secretary
Tamil Nadu Pollution Control Board
Chennai**

To

The Director

KANISHK STEEL INDUSTRIES LIMITED

Plot No. B-27 (N,M & S) SIPCOT Industrial Complex, Gummidipoondi, Tiruvallur district

Pin:600004

Copy to:

1. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, GUMMIDIPOONDI.

PASSBOOK FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTES
PURCHASED BY THE ACTUAL USERS
(ISSUED ALONGWITH AUTHORISATION)

Name and address of the Industry-Actual users	KANISHK STEEL INDUSTRIES LIMITED Plot No. B-27 (N,M & S) SIPCOT Industrial Complex, Gummidipoondi, Tiruvallur district		
OCMMS File No	0119GMP/HWA		
Mobile No	9940048723		
E-mail Id	kanishkgpd@gmail.com		
Passbook Registration No	PB/22HFC43641507		
Date of issue	30/08/2022		
Validity period	30/08/2022 To 31/03/2027		
Type and quantity of the Hazardous & Other Wastes permitted for procurement and recycling:			
SI No	Hazardous & Other Wastes Type	Quantity with unit	Source
1	Schedule - III, Other Waste, Part-D, B1-Metal and metal-bearing wastes, Basel No. B1010- IRON & STEEL SCRAP	30000 T/Annum	Imported
2	Schedule - III, Other Waste, B1-Metal and metal-bearing wastes, B1010-IRON & STEEL SCRAP (domestic sources)	6000 T/Annum	Domestic

RAMASAMY
RAJAMANICKAM

Digitally signed by RAMASAMY
RAJAMANICKAM
Date: 2022.08.31 13:14:59 +05'30'

For Member Secretary

**Tamil Nadu Pollution Control Board
Chennai**

PASSBOOK FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTES
PURCHASED BY THE ACTUAL USERS

Sl No	Date	Name and Type of the Waste	Total Quantity received (MT)	Received from (in case of import, details of bill entry)	Date of arrival at the unit's premises with seal and signature of designated officer of the unit

PASSBOOK FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTES
PURCHASED BY THE ACTUAL USERS

Sl No	Date	Name and Type of the Waste	Total Quantity received (MT)	Received from (in case of import, details of bill entry)	Date of arrival at the unit's premises with seal and signature of designated officer of the unit

PASSBOOK FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTES
PURCHASED BY THE ACTUAL USERS

Sl No	Date	Name and Type of the Waste	Total Quantity received (MT)	Received from (in case of import, details of bill entry)	Date of arrival at the unit's premises with seal and signature of designated officer of the unit

PASSBOOK FOR MAINTAINING RECORDS OF HAZARDOUS AND OTHER WASTES
PURCHASED BY THE ACTUAL USERS

Sl No	Date	Name and Type of the Waste	Total Quantity received (MT)	Received from (in case of import, details of bill entry)	Date of arrival at the unit's premises with seal and signature of designated officer of the unit

ANNEXURE - VII
WATER AGREEMENT

7 RS



தமிழ்நாடு
நாடு 3662
நாடு 14.10.91

Kanishka Steel Industries,
Kanishka Steel Industries
Madras

செய்தியும்
N. V. சிவசாமி,
மேலாடி பஸ் ஸ்டாண்டிங்
கோட்டை, சென்னை - 18

AGREEMENT FOR THE SUPPLY OF WATER FROM THE
WATER SUPPLY SCHEME, SIPOOT INDUSTRIAL COMPLEX.

This Agreement made at Gummidipoondi on the 29TH day of November One Thousand Nine Hundred and Ninety One between STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED (SIPOOT) having its Registered Office at 19-A, Rukmani Lakshmiipathy Road, Egmore, Madras - 600 008. and represented by its Project Officer Thiru. A.PALANIAPPAN, (hereinafter called "SIPOOT" which expression shall unless the context otherwise requires include its successors, legal representatives administrators and assigns) of the ONE PART:

[Signature]
Project Officer
SIPOOT

For KANISHKA STEEL INDUSTRIES
[Signature]
Manager.

**AGREEMENT FOR THE SUPPLY OF WATER FROM THE
WATER SUPPLY SCHEME, SIPCOT INDUSTRIAL COMPLEX.**

This Agreement made at GUMMIDIPUNDI the..... day of..... One Thousand Nine Hundred and ~~Eighty~~ ^{Eighty} ~~Ninty~~ ^{Ninty} ~~One~~ between STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LIMITED (SIPCOT) having its Registered Office at 19-A, Bukmani, Lakshminipathy Road, Bangalore, Madras-600 008. and represented by its Project Officer Thru..... A. PALANIAPPAN, (hereinafter called "SIPCOT" which expression shall unless the context otherwise requires include its successors, legal representatives administrators and assigns) of the ONE PART :

AND M/S... KANISHK STEELS (P) LTD., a Proprietary/firm/a company registered under the Companies Act, 1956./firm registered under the Indian Partnership Act, 1932 having its Registered Office at... No. 5, 8th Street, Dr. Radhakrishnan Salai, Mylapore, Madras-600 004. represented by its (1) Director, Mr. Rajesh Gupta (2)..... (hereinafter called "The Company" / "Firm" which expression shall unless the context otherwise requires include their successors, administrators, legal representatives and assigns) of the other Part, whereby it is agreed to as follows :

Whereas the Company/Firm has requested SIPCOT to supply water to the Company/Firm for the use of the Company/Firm from the Water Supply Scheme under the control of SIPCOT and located at the Industrial Complex GUMMIDIPUNDI and SIPCOT agrees to supply water to the Company/Firm in respect of the industry set up by the Company in SIPCOT Industrial Complex for a period of Five (5) years from the date of commencement of water supply to the Company/Firm in the first instance on the terms and conditions hereinafter mentioned.

Now this Deed witnesseth as follows :—

- 1 The pumps and pipelines upto the termination receiving point of the Company / Firm shall be installed by SIPCOT at its cost and they shall always remain the property of SIPCOT.
- 2 SIPCOT shall man and run these pumps and maintain the pumping mains connected therein including pump-houses and their sites and the same shall always remain the property of SIPCOT.
- 3 The cost of maintaining and repairing the said installation due to normal wear and tear shall be done by SIPCOT.
- 4 The water will be delivered as available from the infiltration wells and no treatment for industry will be done by SIPCOT.
- 5 Water will be supplied at the receiving point of the Company/Firm from the Over Head Tank of SIPCOT upto a limit of.... 5000 liters on a 16 (sixteen) hour basis daily.

For KANISHK STEEL INDUSTRIES.

Rajesh
Manager.

- 6 The water will be delivered in to the receiving point of the Company / Firm from where pumping for the use of Factory will be the responsibility of Company/Firm. SIPCOT and its Officers and servants will have free access to inspect and check the arrangements made at the delivery point.
- 7 The rate of pumping of water shall not normally exceed **5000 litres** ~~.....~~ per day and the Company / Firm shall make arrangement to receive and design the internal system with adequate capacity, pressure, etc.
- 8 If the change in pumping rate is called for, intimation thereon shall be given immediately in writing to the Shift Officer on duty sufficiently in advance. The Company / Firm shall allow a period upto 24 (Twentyfour) hours and the intimation shall take effect only upon the expiry of that period
- 9 The Company / Firm shall not interfere with the actual pumping or working of the Scheme in any way and shall have no right whatsoever to give instructions to or to correspond with the staff of SIPCOT below the rank of the Project Officer / Administrative Officer, directly.
- 10 Every attempt will be made by SIPCOT to supply water on a 16 (Sixteen) hour basis but in case of break down in the supply, the Company / Firm shall make its own arrangements for supply (by having recourse to storage pumps of the Company / Firm system itself upto a period of 24 hours) and SIPCOT shall not be liable to answer or pay any compensation, damages, etc., on that account and for its failure to keep up continuous supply to its industry.
- 11 For the purpose of recovering charges from the Company / Firm the water consumed by it shall be measured by water meters as herein provided, and the readings of the meters, by SIPCOT or its Officers shall be conclusive and binding upon the Company / Firm.
- 11 (a) Water meters shall be installed by the Company / Firm in the pipe line connecting the water supply with the Company / Firm and the maintenance of water meters shall be carried out by the company / Firm. The Water-meters shall be checked and re-calibrated from time to time as agreed to by the two parties.
- 11 (b) The readings will be taken on the last day of every month or at convenient intervals as deemed necessary by SIPCOT. The readings shall be final and binding on the Company / Firm. For this, a representative of the Company / Firm when so desired and deputed by the Company / Firm may attest the reading in the register maintained for the purpose.
- 11 (c) i. When the Water Meter goes out of order in any month, on any day, the water charges for the particular unit, will be worked out, based on the previous four months' average consumption.
- ii. In any month / months, during the previous 4 months, if the unit has not worked, and not drawn water, the corresponding month / months, preceding the previous 4 months, will be taken into account, for the purpose of working average water charges for four months.
- iii. The Unit must replace the water, meter, within 21 days, from the date on which the meter went out of order. SIPCOT should also follow it by issuing notice in writing.
- iv. In case, the unit fails to replace / rectify the Meter within 21 days, the water charges will be worked out, based on the average consumption of three highest month, during the preceding 12 (twelve) months. The above rate will be charged from the month, on which the Meter went out of order, to the date of replacement, by revising the demand already made.

For KANISHK STEEL INDUSTRIES.

Manager.

- v. In case, the unit has not replaced or repaired the water meter, even after 90 days, SIPCOT will have the option, to disconnect the Water Supply, after giving 7 days notice.
- 12 The charges for the quantity of water drawn by the Company/Firm for industrial purpose shall be payable at the rate agreed namely Rs. 4/- (four) per 1000 (one thousand) gallons subject to a minimum charge of Rs. 200/- per connection per month. This agreed rate is tentative and shall be subject to revision by SIPCOT after one year from the date of this agreement and reviewed every year there after and revised if necessary in conformity with the increase in the cost of maintenance energy rate, water royalty etc, which shall be paid the Company / Firm. The above gallon rate will be converted into litres wherever necessary and bill of demand sent accordingly.
 - 13 The payment for each month at the rate agreed upon shall be paid by cheque or demand draft. The amount due shall be paid within 15 days of the receipt of the bill. Errors and omissions if any in the bill can be represented / pointed out only after payment of the amount as per bill amount.
 - 14 If the Company / Firm fails to pay any bill within the period stipulated in Clause-13 of this agreement, SIPCOT, after giving 7 (seven) days notice in writing and without prejudice to other remedies open to it in Law, shall be entitled to cut off supply of water till such time that the bill in question is settled in full. For belated payments after the stipulated period mentioned in Clause-13 of this agreement, interest at 20% per annum will be collected over the bill amount under reference and the amounts due to SIPCOT without prejudice to the other mode of recovery shall be recovered as if it is an arrear of land revenue under Tamilnadu Revenue Recovery Act (Act II of 1864) as amended.
 - 15 The Company / Firm shall not be entitled for any commission or rebate from the payment of minimum charges per month as per clause-11 of the Agreement whether water is consumed or not by the Company / Firm.
 - 16 SIPCOT shall give atleast 24 hours notice in writing for any distuption in supply of water to the Company / Firm except due to the natural calamities or any other situation beyond the control of SIPCOT when such prior intimation cannot be given and SIPCOT is not answerable to any loss or claim for damages on account of such stoppage of supply.
 - 17 SIPCOT shall be at liberty to connect any other resources of water supply to the pipe line installations at the Company / Firm and shall provide all information regarding the quality of water from new source whenever arranged.
 - 18 Any disputes and differences between the parties arising out of or relation to this agreement shall be referred to the Managing Director of SIPCOT, whose orders shall be final and binding upon the Company/Firm.
 - 19 When water is required for construction and commercial needs of the factory buildings, separates arrangement will be made and the charges fixed for construction deeds will be collected and the rates in clause-12 of this agreement are not applicable.
 - 20 The Company shall promptly pay the charges towards premium rent etc., in respect of the plot as required by the lease deed entered into between the Company and SIPCOT.

FOR KANISHK STEEL INDUSTRIES,
Rajiv

Manager.

A. R. D.
 Managing Director
 SIPCOT

- 21 The Company shall not sink any well / borewell / Tubewell within the plot leased to it.
- 22 Any change in the constitution of the Company shall be immediately informed to SIPCOT and its written consent obtained, in advance.
- 23 If SIPCOT for any reasons in accordance with the condition 30 of the lease deed, sells, leases or otherwise deals with the plot leased to the Company, it is hereby agreed that the water supply agreement stands automatically cancelled.
- 24 SIPCOT is at liberty to determine this agreement and cut-off water supply for violation of all or any of the conditions aforesaid.

IN WITNESS WHEREOF THE parties to this Agreement have set and subscribed their respective hands on the day, month and year first above written.

[Signature]
PROJECT OFFICER
SIPCOT LIMITED

Witnesses :

1. *[Signature]* (P. CHANDRASEKARAN)
A.O. SIPCOT, GUMMIDIPONDU

2. *[Signature]* (S. NATHAN)
SIPCOT LIMITED,
GUMMIDIPONDU

For KANISHK STEEL INDUSTRIES
[Signature]
Manager.

COMPANY / FIRM.

Witnesses :

1. *[Signature]* (ASIM BOTEJA)
D.P. STABLE,

2. *[Signature]*

ANNEXURE - VIII

NOC - WILD LIFE CLEARANCE

Ref No. WL5/21519/2022

O/o. Principal Chief Conservator Forests (HoFF),
State Forest Headquarters,
Guindy-Velachery Main Road,
Chennai - 600 032
Dated: 01-03-2024

Sub: Forests – Wildlife – Online application received from M/s. Kanishk Steel Industries Ltd., – Expanding inside existing SIPCOT land (Industrial land use zone – SIPCOT Gummidipoondi) – National Board for Wildlife clearance requested – NOC Issued – Regarding.

Ref: Government of India, Ministry of Environment Forests and Climate Change, New Delhi letter F. No. WL-6/33/2024-WL dated 28-02-24.

Attention of the Wildlife Warden, Chennai is invited to the references cited. It is informed that the Standing Committee of National Board for Wildlife has recommended the proposal vide Agenda No. 78.3.25. Based on the above, No Objection is hereby granted to expansion of Steel Melting Plant and rolling mill over an area of 3.015 Ha of non forest land for the production of 76,000 TPA of Re-rolled products / structural and 83,000 TPA of MS Billets by M/s. Kanishk Steel Industries Pvt Limited subject to following conditions:-

- 1) The project proponent shall obtain all other statutory clearance and also submit Impact Mitigation Plan of Marine and Wildlife Conservation of Pulicat Birds Sanctuary if required.
- 2) The project proponent shall submit an undertaking stating that no disturbance will be caused to the wildlife during project implementation.
- 3) The project proponent shall ensure that there is no discharge from the project area towards into the sanctuary.
- 4) Any other conditions stipulated by the Additional Principal Chief Conservator of Forests and Director, Arignar Anna Zoological Park, Wildlife Warden, Chennai shall be followed.

The Wildlife Warden, Chennai is requested to send the annual compliance certificate on the stipulated conditions to be obtained from the User Agency to this office for onward submission to the Government of India. He is also

requested to send the Impact Mitigation Plan of Marine and Wildlife Conservation of Pulicat Birds Sanctuary to this office for approval.

Encl: As stated above

Sd/- Srinivas R. Reddy
Principal Chief Conservator of Forests
and Chief Wildlife Warden

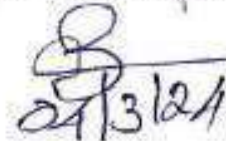
To
The Wildlife Warden,
Chennai.

Copy to the Additional Principal Chief Conservator of Forests and Director, Arignar Anna Zoological Park, Vandalur, Chennai - 48 for information and necessary action.

✓ Copy to M/s. Kanishk Steel Industries Pvt Limited, B-27, MNS SIPCOT Industrial Complex, Gummidipoondi - 601 021 for information.

/True Copy / By Order /

For Senior Draughting Officer


24/3/21

ANNEXURE - IX

CTO - AIR ACT

Category of the Industry :

**ORANG
E**



CONSENT ORDER NO. 2307255530846 DATED: 08/12/2023.

PROCEEDINGS NO.T1/TNPCB/F.0119GMP/OL//GMP/A/2023 DATED: 08/12/2023

SUB: Tamil Nadu Pollution Control Board –CONSENT TO OPERATE FOR EXPANSION-I -M/s. KANISHK STEEL INDUSTRIES LIMITED , S.F.No. Plot No. B-27 [N,M&S], SIPCOT Industrial Complex, Gummidipoondi in S.Nos. 275A/2B, 1B of Peddikuppam village and S.Nos. 618/[1A, 1Apt, 1A2B pt, 1B2A pt, 1A3 pt], 621A/[1, 2, 3, 4Apt, 4Bpt, 4B1pt, 4B2pt] and 625pt, OLD GUMMIDIPOONDI village Gummidipoondi Taluk and Tiruvallur District - Consent for operation of the plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) –Issued- Reg.

REF: 1. CTE Expn. Proc. No.T2/TNPCB/F.0119GMP/OL/GMP/W&A/2022 dated 22/04/2022
2. Unit's application No. 55530846 for CTO Expn. dated 30.10.2023
3. IR.No : F.0119GMP/OL/DEE/GMP/2023 dated 09/11/2023
4. Minutes of 317th CCC meeting held on 30.11.2023 vide agenda item no. 317-17

CONSENT TO OPERATE FOR EXPANSION is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as “The Act”) and the rules and orders made there under to

The Director

M/s . KANISHK STEEL INDUSTRIES LIMITED

S.F No. Plot No. B-27 [N,M&S], SIPCOT Industrial Complex, Gummidipoondi in S.Nos. 275A/2B, 1B of Peddikuppam village and S.Nos. 618/[1A, 1Apt, 1A2B pt, 1B2A pt, 1A3 pt], 621A/[1, 2, 3, 4Apt, 4Bpt, 4B1pt, 4B2pt] and 625pt

OLD GUMMIDIPOONDI Village

Gummidipoondi Taluk

Tiruvallur District.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending **March 31, 2033**

Digitally signed by S RAGUPATHI
Date: 2023.12.08 15:56:14 +05'30'

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

To
The Director,
M/s.KANISHK STEEL INDUSTRIES LIMITED ,
Old No.4, New No. 7, Thiru-Vi-Ka 3rd Street,

Royapettah High Road, Mylapore,

Chennai-600 004.

Pin: 600004

Copy to:

1. The Executive Officer, GUMIDIPOONDI-Town Panchayat, Gummidipoondi Taluk, Tiruvallur District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, GUMMIDIPOONDI.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
4. File

SPECIAL CONDITIONS

1. This consent to operate for Expansion is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	STEEL RE-ROLLED PRODUCTS/STRUCTURAL [using Existing - 7 T Induction Furnace of 3000 KWH panel capacity with melting capacity 30000 T/Annum & Proposed 12 T Induction Furnace of 4500 KWH panel capacity with melting capacity of 66000 T/Annum to produce MS Billets 83000 T/Annum to further produce total saleable re-rolled products/structural]	76000	T/Annum
By-Product Details			
1.	End cut Billets	380.8	T/M
Intermediate Product Details			
1.	Returnable Scrap	479.3	TPM
2.	MS Billets	83000	TPA

2. This consent to operate for Expansion is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.

I Point source emission with stack :				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm ³ /hr
1	Induction Furnace 7T	Bag Filters with stack	32	20664
2	Induction Furnace 12T	Bag Filters with stack	32	20160
3	DG Set 250 KVA	Acoustic enclosures with stack	6	
4	DG Set 500 KVA	Acoustic enclosures with stack	9	
5	Coal fired reheating furnace	Wet scrubber with stack	30	36787
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	250KVA DG SET	Fugitive	Acoustic Enclosures	
2.	500KVA DG SET	Fugitive	Acoustic Enclosures	

- 3(a). The emission shall not contain constituents in excess of the tolerance limits as laid down hereunder :

Sl. No.	Parameter	Unit	Tolerance limits	(1) (2) (3) (4) (5) (6)

- 3.(b) The Ambient Air in the industrial plant area shall not contain constituents in excess of the tolerance limits prescribed below.

Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	
				Industrial, Residential, Rural and other area	Ecologically Sensitive Area (notified by Central Govt.)
1.	Sulphur Dioxide (SO ₂)	Annual 24 hours	microgram/m ³ microgram/m ³	50 80	20 80
2.	Nitrogen Dioxide (NO ₂)	Annual 24 hours	microgram/m ³ microgram/m ³	40 80	30 80
3.	Particulate Matter (Size Less than 10 micro M) or PM ₁₀	Annual 24 hours	microgram/m ³ microgram/m ³	60 100	60 100
4.	Particulate Matter (Size Less than 2.5 micro M) or PM _{2.5}	Annual 24 hours	microgram/m ³ microgram/m ³	40 60	40 60
5.	Ozone (O ₃)	Annual 24 hours	8 Hours 1 Hour	100 180	100 180
Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	Industrial, Residential, Rural and other area Ecologically Sensitive Area (notified by Central Govt.)
6.	Lead (Pb)	Annual 24 hours	microgram/m ³ microgram/m ³	0.5 1.0	0.5 1.0
7.	Carbon Monoxide (CO)	8 Hours 1 Hour	miligram/m ³ miligram/m ³	02 04	02 04
8.	Ammonia (NH ₃)	Annual 24 hours	microgram/m ³ microgram/m ³	100 400	100 400
9.	Benzene (C ₆ H ₆)	Annual	microgram/m ³	5	5
10.	Benzo(O) Pyrene (BaP) –particulate phase only	Annual	nanogram/m ³	01	01
11.	Arsenic (As)	Annual	nanogram/m ³	06	06
12.	Nickel (Ni)	Annual	nanogram/m ³	20	20

- 3(c) The Ambient Noise Level in the industrial plant area shall not exceed the limits prescribed below:

Limits in L.eq.-dB(A)	Day Time	Night Time
Industrial Area	75	70

- All units of the Air pollution control measures shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl. No.3 above.
- The occupier shall not change or alter quality or quantity or the rate of emission or replace or alter the air pollution control equipment or change the raw material or manufacturing process resulting in change in quality and/or quantity of emissions without the previous written permission of the Board.

6. The occupier shall maintain log book regarding the stack monitoring system or operation of the plant or any other particulars for each of the unit operations of air pollution control systems to reflect the working condition which shall be furnished for verification of the Board officials during inspection.
7. The occupier shall at his own cost get the samples of emission/air/noise levels collected and analyzed by the TNPC Board Laboratory once in every 6 months/once in a year/periodically for the parameters as prescribed.
8. Any upset condition in any of the plants of the factory which is likely to result in increased emissions and result in violation of the standards mentioned in Sl.No.3 shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
9. The occupier shall always comply and carryout the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize “Mission LiFE” logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt “Mission LiFE” action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall comply the conditions of Environmental Clearance obtained vide letter No SEIAA-TN/F.No.6430/EC/3(a)/78/2020 dated 10/11/2020.
2. The unit shall dismantle one number of coal fired reheating furnace of 15 T and the existing 7T induction melting furnace within a period of two months from commissioning the new furnaces.
3. The unit shall ensure that no additional load is obtained from the TANGEDCO for its melting operations and shall ensure that the production is within the consented quantity.
4. The unit shall operate and maintain the air pollution control measures continuously and efficiently so as to ensure that the emission shall satisfy the AAQ/Emission standards prescribed by the Board.
5. The unit shall continue to develop and maintain adequate green belt in and around the premises.
6. The unit shall ensure that stacks are connected to CARE Centre, Guindy at all the times.
7. The unit shall not use ‘use and throwaway plastics’ such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead unit shall encourage use of ecofriendly alternative such as banana leaf, arecanut palm plate, stainless steel glass, porcelain plates/cups, cloth bag, jute bag etc.

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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

GENERAL CONDITIONS

1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in production quantity and emission.
2. This Consent is given by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished, in the application will also be ground for review/variation/revocation of the Consent Order under Section 21 of the Act.
3. The conditions imposed shall continue in force until revoked under Section 21 of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Air (Prevention and Control of Pollution) Act, 1981 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Air Pollution Control measures sufficient to ensure continuous operation of all pollution control equipments to ensure compliance.
7. The occupier shall provide all facilities to the Board officials for collection of samples in and around the factory at any time.
8. The applicant shall display the flow diagram of the sources of emission and pollution control systems provided at the site.
9. The liquid effluent arising out of the operation of the air pollution control equipment shall also be treated in a manner and to the satisfaction of standards prescribed by the Board in accordance with the provisions of Water (Prevention and Control of Pollution) Act, 1974 as amended.
10. The air pollution control equipments, location of inspection chambers and sampling port holes shall be made easily accessible at all time.
11. In case of any episodal discharge of emission, the industry shall take immediate action to bring down the emission within the limits prescribed by the Board.
12. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
13. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
14. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.
15. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
16. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
17. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Air (Prevention and Control of Pollution) Act, 1981, as amended in Form-I alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
18. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.

19. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

S RAGUPATHI Digitally signed by S RAGUPATHI
Date: 2023.12.08 15:57:21 +05'30'
For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

ANNEXURE - IX
CTO - WATER ACT

Category of the Industry :

**ORANG
E**



CONSENT ORDER NO. 2307155530846 DATED: 08/12/2023.

PROCEEDINGS NO.T1/TNPCB/F.0119GMP/OL/GMP/W/2023 DATED: 08/12/2023

SUB: Tamil Nadu Pollution Control Board –CONSENT TO OPERATE FOR EXPANSION-I -M/s. KANISHK STEEL INDUSTRIES LIMITED , S.F.No. Plot No. B-27 [N,M&S], SIPCOT Industrial Complex, Gummidipoondi in S.Nos. 275A/2B, 1B of Peddikuppam village and S.Nos. 618/[1A, 1Apt, 1A2B pt, 1B2A pt, 1A3 pt], 621A/[1, 2, 3, 4Apt, 4Bpt, 4B1pt, 4B2pt] and 625pt, OLD GUMMIDIPOONDI village Gummidipoondi Taluk and Tiruvallur District - Consent for the operation of the plant and discharge of sewage and/or trade effluent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) – Issued- Reg.

REF: 1. CTE Expn. Proc. No.T2/TNPCB/F.0119GMP/OL/GMP/W&A/2022 dated 22/04/2022
2. Unit's application No. 55530846 for CTO Expn. dated 30.10.2023
3. IR.No : F.0119GMP/OL/DEE/GMP/2023 dated 09/11/2023
4. Minutes of 317th CCC meeting held on 30.11.2023 vide agenda item no. 317-17

CONSENT TO OPERATE FOR EXPANSION is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act, 6 of 1974) (hereinafter referred to as “The Act”) and the rules and orders made there under to

The Director
M/s . KANISHK STEEL INDUSTRIES LIMITED
S.F No. Plot No. B-27 [N,M&S], SIPCOT Industrial Complex, Gummidipoondi in S.Nos. 275A/2B, 1B of Peddikuppam village and S.Nos. 618/[1A, 1Apt, 1A2B pt, 1B2A pt, 1A3 pt], 621A/[1, 2, 3, 4Apt, 4Bpt, 4B1pt, 4B2pt] and 625pt
OLD GUMMIDIPOONDI Village
Gummidipoondi Taluk
Tiruvallur District.

Authorising the occupier to make discharge of sewage and /or trade effluent.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending **March 31, 2033**

Digitally signed by S RAGUPATHI
Date: 2023.12.08 15:54:26
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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

To
The Director,
M/s.KANISHK STEEL INDUSTRIES LIMITED ,

Old No.4, New No. 7, Thiru-Vi-Ka 3rd Street,
Royapettah High Road, Mylapore,
Chennai-600 004.
Pin: 600004

Copy to:

1. The Executive Officer, GUMIDIPOONDI-Town Panchayat, Gummidipoondi Taluk, Tiruvallur District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, GUMMIDIPOONDI.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Chennai.
4. File

SPECIAL CONDITIONS

1. This consent to operate for Expansion is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	STEEL RE-ROLLED PRODUCTS/STRUCTURAL [using Existing - 7 T Induction Furnace of 3000 KWH panel capacity with melting capacity 30000 T/Annum & Proposed 12 T Induction Furnace of 4500 KWH panel capacity with melting capacity of 66000 T/Annum to produce MS Billets 83000 T/Annum to further produce total saleable re-rolled products/structural]	76000	T/Annum
By-Product Details			
1.	End cut Billets	380.8	T/M
Intermediate Product Details			
1.	Returnable Scrap	479.3	TPM
2.	MS Billets	83000	TPA

2. This consent to operate for Expansion is valid for operating the facility with the below mentioned permitted outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	Sewage	7.9	On land for gardening
Effluent Type : Trade Effluent - NIL			
1.	Cooling Tower Bleed Off	19.0	Used as Cooling Water Make up in Rolling Mill

3. The effluent discharge shall not contain constituents in excess of the tolerance Limits as laid down hereunder.

Sl. No.	Parameters	Unit	TOLERANCE LIMITS - OUTLETS -Nos				
			Sewage		Trade Effluent		
			1		1		
1.	pH		5.5 to 9		5.5 to 9		
2.	Temperature	oC	-		shall not exceed 5°C above the receiving water temperature		
3.	Particle size of Suspended solids	-	-		shall pass 850 micron IS sieve		
4.	Total Suspended Solids	mg/l	30		100		
5.	Total Dissolved solids (inorganic)	mg/l	-		2100		
6.	Oil & Grease	mg/l	-		10		
7.	Biochemical Oxygen Demand (3 days at 27oC)	mg/l	20		30		
8.	Chemical Oxygen Demand	mg/l	-		250		
9.	Chloride (as Cl)	mg/l	-		1000		
10.	Sulphates (as SO4)	mg/l	-		1000		
11.	Total Residual Chlorine	mg/l	-		1		
12.	Ammonical Nitrogen (as N)	mg/l	-		50		
13.	Total Kjeldahl Nitrogen (as N)	mg/l	-		100		
14.	Free Ammonia (as NH3)	mg/l	-		5		
15.	Arsenic (as As)	mg/l	-		0.2		
16.	Mercury (as Hg)	mg/l	-		0.01		
17.	Lead (as Pb)	mg/l	-		0.1		
18.	Cadmium(as Cd)	mg/l	-		2		
19.	Hexavalent Chromium (as Cr+6)	mg/l	-		0.1`		
20.	Total Chromium (as Cr)	mg/l	-		2		
21.	Copper (as Cu)	mg/l	-		3		
22.	Zinc (as Zn)	mg/l	-		1		
23.	Selenium (as Se)	mg/l	-		0.05		
24.	Nickel (as Ni)	mg/l	-		3		
25.	Boron (as B)	mg/l	-		2		
26.	Percent Sodium	%	-		-		
27.	Residual Sodium Carbonate	mg/l	-		-		
28.	Cyanide (as CN)	mg/l	-		0.2		
29.	Fluoride (as F)	mg/l	-		2		
30.	Dissolved Phosphates(as P)	mg/l	-		5		
31.	Sulphide (as S)	mg/l	-		2		
32.	Pesticides	mg/l	-				
33.	Phenolic Compounds (as C6H5OH)	mg/l	-		1		
34.	Radioactive materials a) Alpha emitters	micro curie/ml	-		10-7		
35.	Radioactive materials b). Beta emitters	micro curie/ml	-		10-6		

36.	Fecal Coliform	MPN/100ml	-		-		
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4. All units of the sewage and Trade effluent treatment plants shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl No.3 above or to achieve the zero liquid discharge of effluent as applicable.
5. The occupier shall maintain the Electro Magnetic Flow Meters/water Meters installed at the inlet of the water supply connection for each of the purposes mentioned below for assessing the quantity of water used and ensuring that such meters are easily accessible for inspection and maintenance and for other purposes of the Act.
 - a. Industrial Cooling, Spraying in mine pits or boiler feed.
 - b. Domestic purpose.
 - c. Process.
6. The occupier shall maintain the Electro Magnetic Flow Meters with computer recording arrangement for measuring the quantity of effluent generated and treated for the monitoring purposes of the Act.
7. Log book for each of the unit operations of ETP have to be maintained to reflect the working condition of ETP along with the readings of the Electro Magnetic Flow Meters installed to assess effluent quantity and the same shall be furnished for verification of the Board officials during inspection.
8. The occupier shall at his own cost get the samples of effluent/surface water/ground water collected in and around the unit by Board officials and analyzed by the TNPC Board Laboratory periodically.
9. Any upset condition in any of the plants of the factory which is, likely to result in increased effluent discharge and result in violation of the standards mentioned in Sl. No.3 above shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
10. The occupier shall always comply and carryout the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.
11. The occupier shall develop adequate width of green belt at the rate of 400 numbers of trees per Hectare.
12. The occupier shall provide and maintain rain water harvesting facilities.
13. The occupier shall ensure that there shall not be any discharge of effluent either treated or untreated into storm water drain at any point of time.
14. In the case of zero liquid discharge of effluent units, the occupier shall adhere the following conditions as laid under.
 - i). The occupier shall ensure zero liquid discharge of effluent, thereby no discharge of untreated / treated effluent on land or into any water bodies either inside or outside the premises at any point of time.
 - ii) The occupier shall operate and maintain the Zero liquid discharge treatment components comprising of Primary, Secondary and tertiary treatment systems at all times and ensure that the RO permeate/Evaporator condensate shall be recycled in the process and the final RO reject shall be disposed off with the reject management system ensuring zero liquid discharge of effluents in the premises.
 - iii) The occupier shall operate and maintain the reject management system effectively and recover the salt from the system which shall be reused in the process if reusable or shall be disposed off as ETP sludge.
 - iv) In case of failure to achieve zero discharge of effluents for any reason, the occupier shall stop its production and operations forthwith and shall be reported to the Member Secretary/Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
 - v) The occupier shall restart the production only after ascertaining that the Zero discharge treatment system can perform effectively for achieving zero discharge of effluents.

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

The industries shall take all efforts to use and popularize “Mission LiFE” logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt “Mission LiFE” action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. The unit shall comply the conditions of Environmental Clearance obtained vide letter No SEIAA-TN/F.No.6430/EC/3(a)/78/2020 dated 10/11/2020.
2. The unit shall dismantle one number of coal fired reheating furnace and the existing old 7T induction melting furnace within a period of two months from commissioning the new furnaces.
3. The unit shall obtain amendment in the Environmental Clearance issued to the unit vide letter No SEIAA-TN/F.No.6430/EC/3(a)/78/2020 dated 10/11/2020 for retaining one coal fired reheating furnace of 15 T, to be used during emergency situations and furnish the same within a period of six months.
4. The unit shall operate the coal fired reheating furnace of 15 T only after obtaining amendment in the Environmental Clearance issued to the unit vide letter No SEIAA-TN/F.No.6430/EC/3(a)/78/2020 dated 10/11/2020.
5. The unit shall ensure that no additional load is obtained from the TANGEDCO for its melting operations and shall ensure that the production is within the consented quantity.
6. The unit shall operate and maintain the sewage treatment plant effectively and continuously so as to satisfy the standards prescribed by the Board
7. The unit shall utilize the treated sewage for gardening/ green belt development without any stagnation or ponding.
8. The unit shall ensure that the Cooling Tower Bleed Off of 19 KLD is used as Cooling Water Make up in Rolling Mill and ensure that and there is no discharge on land etc., under any circumstance
9. The unit shall ensure that no treated/untreated sewage shall gain access to the drain/water course at any point of time.
10. The unit shall dispose Non-Hazardous solid wastes then and there without accumulation of the same within the premises.
11. The unit shall comply with the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
12. The unit shall furnish the monthly reports on the quantity of Products manufactured with necessary supporting documents.
13. The unit shall comply with the E-Waste Management Rules, 2016. E-Waste as listed in schedule-I, generated by them shall be channelized through Collection Centre or dealer of authorized producer or dismantler or recycler or through the designated tack back service provider of the producer to authorized dismantler or recycler. The unit shall maintain records of E-waste generated by them in Form-2 and make such records available for scrutiny by the TNPCB. The unit shall file annual returns in Form-3, to the TNPCB on or before the 30th day of June following the financial year.
14. The unit shall not use 'use and throwaway plastics' such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead unit shall encourage use of eco-friendly alternative such as banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, jute bag etc.

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For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

GENERAL CONDITIONS

1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in Production quantity and change in sewage/Trade effluent.
2. This Consent is issued by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished in the application will also be ground for review/variation/revocation of the Consent Order under Section 27 of the Act and to make such variation as deemed fit for the purpose of the Act.
3. The consent conditions imposed in this order shall continue in force until revoked under Section 27(2) of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Water (Prevention and Control of Pollution) Act, 1974 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Effluent Treatment Plant sufficient to ensure continuous operation of all pollution control equipments to maintain compliance.
7. The occupier shall provide all facilities to the Board officials for inspection and collection of samples in and around the factory at any time.
8. The occupier shall display the flow diagram of the sources of effluent generation and pollution control systems provided at the ETP site.
9. The solid waste such as sweepings, wastage, package, empty containers, residues, sludge including that from air pollution control equipments collected within the premises of the industrial plant shall be collected in an earmarked area and shall be disposed off properly.
10. The occupier shall collect, treat the solid wastes like food waste, green waste generated from the canteen and convert into organic compost.
11. The occupier shall segregate the Hazardous waste from other solid wastes and comply in accordance with Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.
12. The occupier shall maintain good house-keeping within the factory premises.
13. All pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the trade effluent collection system only and shall not be allowed to find their way in storm drains or open areas.
14. The occupier shall ensure that there shall not be any diversion or by-pass of trade effluent on land or into any water sources.
15. The occupier shall ensure that solar Evaporation pans shall be constructed in such a way that the bottom of the solar pan is at least 1 m above the Ground level (if applicable).
16. The occupier shall furnish the following returns in the prescribed formats to the concerned District office regularly.
 - a) Monthly water consumption returns of each of the purposes with water meter readings in Form-I on or before 5th of every month.
 - b) Yearly return on Hazardous wastes generated and accumulated for the period from 1st April to 31st March in Form-4 before the end of the subsequent 30th June of every year (if applicable).
 - c) Yearly Environmental Statement for the period from 1st April to 31st March in Form -V before the end of the subsequent 30th September of every year(if applicable).
17. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
18. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
19. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.

20. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
21. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
22. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Water (Prevention and Control of Pollution) Act, 1974, as amended in Form-II alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
23. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.
24. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

S RAGUPATHI Digitally signed by S RAGUPATHI
Date: 2023.12.08 15:55:35 +05'30'
For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai

ANNEXURE - X
DISASTER MANAGEMENT PLAN



Environmental Impact Assessment for the Proposed Expansion of Steel Melting Plant and Rolling Mill from 36,000 TPA to 83,000 TPA of MS Billets and 54,000 TPA to 76,000 TPA of Rolled Steel Products by M/s. Kanishk Steel Industries Limited at Peddikkuppam Village, SIPCOT Industrial Complex, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu.

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detailed design, applying recommended control strategies and implementing a Safety Management System

7.2.3 Recommended Approach to Combat with the Possible Accidents

Considering all possible accident scenarios as analysed in the risk analysis, it is established that there will not be any major potential hazards in the project causing major damages inside and outside the boundary. In spite of this, the project authorities should be well prepared to handle any such eventuality as described below;

In case of Explosion:

The following measures and actions are to be taken:

- Evacuate the area in vicinity;
- Take all necessary actions to avoid escalation of the accident;
- If problem appears to be out of control, call fire brigade and police. Report to the District collector, and;
- Provide first aid to the victims as suggested in the Material Safety Data Sheets.

Spillage due to Diesel Storage Tank Rupture:

This accident scenario has considerable damage potential. In such scenario the following steps should be taken:

- Contain fuel supply to the tankers;
- Determine the extent of damage;
- Undertake all the emergency actions mentioned above.

7.3 Disaster Management Plan

The disaster management plan has been prepared inline with Tiruvallur District Disaster Management Plan, 2016. A disaster is a catastrophic situation in which suddenly, people are plunged into helplessness and suffering, as a result, need protection, clothing, shelter, medical and social care and other necessities of life.

Disasters can be divided into two main groups. In the first, disasters resulting from natural phenomena like earthquakes, volcanic eruptions, storm surges, cyclones, tropical storms, floods, avalanches, landslides, forest fires etc. The second group includes disastrous events occasioned by man, or man's impact upon the environment. Examples are armed conflict, radiation accidents, campus fires, river pollution, air, sea, rail and road transport accidents and can reach catastrophic dimensions in terms of human loss.

There can be no set criteria for assessing the gravity of a disaster in the abstract since this depends to a large extent on the physical, economic and social environment in which it occurs. What would be considered a major disaster in a developing country, ill-equipped to cope with the problems involved may not mean more than a temporary emergency elsewhere.

However, all disaster brings in their wake similar consequences that call for immediate action, whether at the local, national or international level, for the rescue and relief of the



Environmental Impact Assessment for the Proposed Expansion of Steel Melting Plant and Rolling Mill from 36,000 TPA to 83,000 TPA of MS Billets and 54,000 TPA to 76,000 TPA of Rolled Steel Products by M/s. Kanishk Steel Industries Limited at Peddikkuppam Village, SIPCOT Industrial Complex, Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu.

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victims. This includes the search for the dead and injured and removal of debris and social care, the provision of temporary shelter to the homeless food, clothing and medical supplies, and the rapid re-establishment of essential services.

7.3.1 Objectives of Disaster Management Plan (DMP)

The Disaster Management Plan is aimed to ensure safety of life, protection of environment, protection of installation, restoration of production and salvage operations in this same order of priorities. For effective implementation of the Disaster Management Plan, it will be widely circulated and personnel training given through rehearsals/drills.

The Disaster Management Plan would reflect the probable, consequential severity of the undesired event due to deteriorating conditions or through 'Knock on' effects. Further the management should be able to demonstrate that their assessment of the consequences uses good supporting evidence and is based on currently available and reliable information, incident data from internal and external sources and if necessary the reports of outside agencies. To tackle the consequences of a major emergency inside the factory or immediate vicinity of the factory, a planned emergency document is prepared, called the "Disaster Management Plan"

The objective of the Disaster Management Plan is to make use of the combined resources of the plant and the outside services to achieve the following:

- Effect the rescue and medical treatment of casualties;
- Safeguard other people;
- Minimize damage to property and the environment;
- Initially contain and ultimately bring the incident under control;
- Identify any dead;
- Provide for the needs of relatives;
- Provide authoritative information to the news media;
- Secure the safe rehabilitation of affected area; and
- Preserve relevant records and equipment for the subsequent inquiry into the cause and circumstances of the Emergency.

In effect, it is to optimize operational efficiency to rescue rehabilitation and render medical help and to restore normalcy.

7.3.2 Specific Emergencies Anticipated

Fire consequences can be disastrous, since they involve huge quantities of fuel either stored or in dynamic inventory in pipelines or in nearby areas. Toxic releases can affect persons working around. Preliminary hazard Analysis has provided a basis for consequence estimation.

7.3.3 Emergency Organization

It is recommended to set up an Emergency Organization. A senior executive who has control over the affairs of the plant would be heading the Emergency Organization. He would be designated as Site Controller. Works Manager would be designated as the Incident Controller. In the case of stores, utilities, open areas, which are not under the control of the Production Heads, Senior Executive responsible for maintenance of utilities would be designated as Incident Controller. All the Incident Controllers would be reporting to the Site Controller.



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Each Incident Controller, for himself, organizes a team responsible for controlling the incidence with the personnel under his control. Shift In-charge would be the reporting officer, who would bring the incidence to the notice of the Incidence Controller and Site Controller.

Emergency co-ordinators would be appointed who would undertake the responsibilities like fire fighting, rescue, rehabilitation, transport and provide essential and support services. For this purposes, Security In-charge, Personnel Department, Essential services personnel would be engaged. All these personnel would be designated as Key personnel.

In each shift, electrical supervisor, electricians and other maintenance staff would be drafted for emergency operations. In the event of power or communication system failure, some of staff members in the office/plant offices would be drafted and their services would be utilized as messengers for quick passing of communications. All these personnel would be declared as essential personnel.

7.3.3.1 Emergency Communication

Whoever notices an emergency situation such as fire, escalation of fire, leakage etc will inform his immediate superior and Emergency Control Center. A place nearer to the security office shall be identified as Emergency Control Center. The person on duty in the Emergency Control Center would appraise the Site Controller. Site Controller verifies the situation from the Incident Controller of that area or the Shift In-charge and takes a decision about an impending On Site Emergency. This would be communicated to all the Incident Controllers, Emergency Co-ordinators. Simultaneously, the emergency warning system would be activated on the instructions of the Site Controller.

7.3.4 Onsite Emergency Preparedness and Response for Accidents

7.3.4.1 Emergency Responsibilities

The responsibilities of the key personnel are appended below:

Site Controller:

On receiving information about emergency he would rush to Emergency Control Center (ECC) and take charge of ECC and the situation and;

- Assesses the magnitude of the situation on the advice of incident Controller and decides, Whether the affected area needs to be evacuated,
- Whether personnel who are at assembly points need to be evacuated,
- Declare Emergency and order for operation of emergency siren,
- Organizes announcement by public address system about location of emergency,
- Assesses which areas are likely to be affected, or need to be evacuated or need to be alerted,
- Maintains a continuous review of possible development and assesses the situation in consultation with Incident Controller and other Key Personnel as to whether shutting down the plant or any section of the plant is required and if evacuation of persons is required,
- Directs personnel for rescue, rehabilitation, transport, fire, brigade, medical and other designated mutual support systems locally available, for meeting emergencies.
- Controls evacuation of affected areas, if the situation is likely to go out of control or effects are likely to go beyond the premises of the factory, informs the District Emergency Authority, Police, Hospital and seeks their intervention and help,



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- Informs the Inspector of Factories, Deputy Chief Inspector of Factories, TNPCB and other statutory authorities,
- Gives a public statement if necessary,
- Keeps record of chronological events and prepares an investigation report and preserve evidence,
- On completion of On Site Emergency and restoration of normalcy, declares all clear and orders for all clear warning.

Incident Controller:

- Assembles the incident control team.
- Directs operations within the affected areas with the priorities for safety to personnel minimize damage to the plant, property and environment and minimize the loss of materials.
- Directs the shutting down and evacuation of plant and areas likely to be adversely affected by the emergency.
- Ensure that key personnel help is sought.
- Provides advice and information to the Fire and Security Officer and the Local Fire Services as and when they arrive.
- Ensures that all non-essential workers/staff of the affected areas evacuated to the appropriate assembly points, and the areas are searched for casualties.
- Has regard to the need for preservation of evidence so as to facilitate any inquiry into the causes and circumstances, which caused or escalated the emergency.
- Co-ordinates with emergency services at the site.
- Provides tools and safety equipment to the team members.
- Keeps in touch with the team and advice them regarding the method of control to be used.
- Keeps the Site Controller of Emergency informed of the progress being made

Emergency Coordinator - Rescue, Fire Fighting:

- Helps the incident Controller in containment of the emergency;
- Ensures fire pumps are in operating conditions and instructs pump house operator to be ready for any emergency with standby arrangement;
- Guides the fire fighting crew i.e. firemen, trained plant personnel and security staff;
- Organizes shifting of the fire fighting facilities to the emergency site, if required;
- Takes guidance of the Incident Controller for fire fighting as well as assesses the requirements of outside help;
- Arranges to control the traffic at the gate and the incident area;
- Directs the security staff to the incident site to take part in the emergency operations under his guidance and supervision;
- Evacuates the people in the plant or in the nearby areas as advised by Site Controller;
- Searches for casualties and arranges proper aid for them;
- Assembles search and evacuation team;
- Arranges for safety equipment for the members of this team;
- Decides which paths the evacuated workers should follow;
- Maintains law and order in the area, and if necessary seeks the help of police.



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Emergency Coordinator-Medical, Mutual Aid, Rehabilitation, Transport and Communication:

- In the event of failure of electric supply and thereby internal telephone, sets up communication point and establishes contact with the ECC;
- Organizes medical treatment to the injured and if necessary will shift the injured to nearby hospitals;
- Mobilizes extra medical help from outside, if necessary;
- Keeps a list of qualified first aid providers of the factory and seek their assistance;
- Maintains first aid and medical emergency requirements;
- Makes sure that all safety equipment is made available to the emergency team;
- Assists Site Controller with necessary data and to coordinate the emergency activities;
- Assists Site Controller in updating emergency plan, organizing mock drills verification of inventory of emergency facilities and furnishing report to Site Controller;
- Maintains liaison with Civil Administration;
- Ensures availability of canteen facilities and maintenance of rehabilitation center;
- He will be in liaison with Site Controller/Incident Controller;
- Ensures transportation facility;
- Ensures availability of necessary cash for rescue/rehabilitation and emergency expenditure;
- Controls rehabilitation of affected areas on discontinuation of emergency;
- Ensures availability of diesel/petrol for transport vehicles engaged in emergency operation.

Emergency Coordinator - Essential Services:

- He would assist Site Controller and Incident Controller.
- Maintains essential services like Diesel Generator, Water, Fire Water, Compressed Air/Instrument Air, power supply for lighting.
- He would plan alternate facilities in the event of power failure, to maintain essential services such as lighting, refrigeration plant etc.
- He would organize separate electrical connections for all utilities and emergency services so that in the event of emergency or fires, essential services and utilities are not affected.
- Gives necessary instructions regarding emergency electrical supply, isolation of certain sections etc. to shift in-charge and electricians.
- Ensures availability of adequate quantities of protective equipment and other emergency materials, spares etc.

General Responsibilities of Employees during an Emergency:

During an emergency, it becomes more enhanced and pronounced when an emergency warning is raised, the workers if they are in-charge of process equipment should adopt safe and emergency shut down and attend any prescribed duty as essential employee. If no such responsibility is assigned, he should adopt a safe course to assembly point and await instructions. He should not resort to spread panic. On the other hand, he must assist emergency personnel towards objectives of DMP.

7.3.4.2 Emergency Facilities

Emergency Control Center (ECC):

For the time being, Office Block or a place nearer to the security office is identified as Emergency Control Center. It would have external Telephone, Fax, and Telex facility. All the Site Controller/ Incident Controller Officers, Senior Personnel would be located here. Also, it



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would be an elevated place. The following information and equipment are to be provided at the Emergency Control Center (ECC).

- Intercom, telephone
- P and T telephone
- Safe contained breathing apparatus
- Fire suit/gas tight goggles/gloves/helmets
- Hand tools, wind direction/velocities indications
- Public address megaphone, hand bell, telephone directories
- (Internal P and T) factory layout, site plan
- Emergency lamp/torch light/batteries
- Plan indicating locations of hazard inventories, plant control room, sources of safety equipment, work road plan, assembly points, rescue location vulnerable zones, escape routes.
- Hazard chart
- Emergency shut-down procedures
- Nominal roll of employees
- List of key personnel, list of essential employees, list of Emergency Co-ordinators
- Duties of key personnel
- Address with telephone numbers and key personnel, emergency coordinator, essential employees.
- Important address and telephone numbers including Government agencies, neighbouring industries and sources of help, out side experts, chemical fact sheets population details around the factory.

Assembly Point:

Number of assembly points depending upon the plant location would be identified wherein employees who are not directly connected with the disaster management would be assembled for safety and rescue. Emergency breathing apparatus, minimum facilities like water etc. would be organized. In view of the size of plant, different locations are ear marked as assembly points. Depending upon the location of hazard, the assembly points are to be used.

Fire Fighting Facilities:

First Aid Fire fighting equipment suitable for emergency should be maintained in each section in the plant. This would be as per statutory requirements. However, fire hydrant line covering major areas would be laid. It would be maintained at 6- kg/cm² pressure. Fire alarms would be located in the bulk storage areas. Fire officer will be the commanding officer of fire fighting services.

Location of Wind Sock:

On the top of the Administration block and the top of each production blocks, windsocks shall be installed to indicate direction of wind for emergency escape.



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Emergency Medical Facilities:

Stretchers, gas masks and general first aid materials for dealing with fire burns would be maintained in the medical center as well as in the emergency control room. Medical superintendent of the township will be the head of the casualty services ward. Private medical practitioners help would be also are sought. Government hospital would be approached for emergency help.

Apart from plant first aid facilities, external facilities would be augmented. Names of Medical Personnel, Medical facilities in the area would be prepared and updated. Necessary specific medicines for emergency treatment of Burns for Patients and for those affected by toxicity would be maintained. Breathing apparatus and other emergency medical equipment would be provided and maintained. The help of near by industrial management in this regard would be taken on mutual support basis.

Ambulance:

An ambulance with driver availability in all the shifts and an emergency shift vehicle would be ensured and maintained to transport injured or affected persons. Number of persons would be trained in first aid so that, in every shift, first aid personnel would be available.

7.3.4.3 Emergency Actions

Emergency Warning

Communication of emergency would be made familiar to the personnel inside the plant and people outside. An emergency warning system shall be established.

Emergency Shutdown

There are number of facilities which can be provided to help deal with hazardous conditions, when a tank is on fire. The suggested arrangements are:

1. Stop the production;
2. Dilute contents;
3. Remove heat;
4. Deluge with water; and
5. Transfer contents.

Whether a given method is appropriate depends on the particular case. Cessation of agitation may be the best action in some instances but not in others. Stopping of the feed may require the provision of by pass arrangements.

Methods of removing additional heat include removal through the normal cooling arrangements or use of an emergency cooling system. Cooling facilities, which use vaporizing liquid, may be particularly effective, since a large increase in vaporization can be obtained by dropping pressure.



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Evacuation of Personnel:

There could be more number of persons in the storage area and other areas in the vicinity. The area would have adequate number of exits and staircases. In the event of an emergency, unconnected personnel have to escape to assembly point. Operators have to take emergency shutdown procedure and escape. Time Office maintains a copy of deployment of employees in each shift, at ECC. If necessary, persons can be evacuated by rescue teams.

All Clear Signal:

Also, at the end of an emergency, after discussing with Incident Controllers and Emergency Co-ordinators, the Site Controller orders an all clear signal. When it becomes essential, the Site Controller communicates to the District Emergency Authority, Police, and Fire service personnel regarding help required or development of the situation into an Off-Site Emergency.

7.3.4.4 General

Employee Information:

During an emergency, employees would be warned by raising siren in specific pattern. Employees would be given training of escape routes, taking shelter, protecting from toxic effects. Employees would be provided with information related to fire hazards, antidotes and first aid measures. Those who would be designated as key personnel and essential employees should be given training to emergency response.

Public Information and Warning:

The industrial disaster effects related to this plant may mostly be confined to the plant area. The detailed risk analysis has indicated that the pool fire effects would not be felt outside. However, as an abundant precaution, the information related to chemicals in use would be furnished to District Emergency Authority for necessary dissemination to general public and for any use during an off site emergency. Factories of this size and nature are in existence in our state since long time.

Co-ordination with Local Authorities:

Keeping in view of the nature of emergency, two levels of coordination are proposed. In the case of an On Site Emergency, resources within the organization would be mobilized and in the event of extreme emergency, local authorities help should be sought.

In the event of an emergency developing into an off site emergency, local authority and District emergency Authority (normally the Collector) would be appraised and under his supervision, the Off Site Disaster Management Plan would be exercised. For this purpose, the facilities that are available locally, i.e. medical, transport, personnel, rescue accommodation, voluntary organizations etc. would be mustered. Necessary rehearsals and training in the form of mock drills should be organized.

Mutual Aid:

Mutual aid in the form of technical personnel, runners, helpers, special protective equipment, transport vehicles, communication facility etc should be sought from the neighboring industrial management.



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Mock Drills:

Emergency preparedness is an important step in planning of Industrial Disaster Management. Personnel would be trained suitably and prepared mentally and physically in emergency response through carefully planned, simulated procedures. Similarly, the key personnel and essential personnel should be trained in the operations. Co-ordination meeting with the line Department officials for preparedness and implementation, viability and conduct of Mock Drill/ training should be conducted along with Divisional or Taluk level of Tiruvallur District.

Important Information:

Once the Plant goes into stream, important information such as names and addresses of key personnel, essential employees, medical personnel, outside the plant, transporters address, address of those connected with Off Site Emergency such as Police, Local Authorities, Fire Services, District Emergency Authority should be prepared and maintained.

7.3.5 Off-Site Emergency Preparedness Plan

7.3.5.1 Introduction

Off-site emergency plan follows the on-site emergency plan. When the consequences of an emergency situation go beyond the plant boundaries, it becomes an off-site emergency. Off-site emergency is essentially the responsibility of the public administration. However, the factory management will provide the public administration with the technical information relating to the nature, quantum and probable consequences on the neighbouring population. The off-site plan in detail will be based on those events, which are most likely to occur, but other less likely events, which have severe consequence, will also be considered. Incidents which have very severe consequences yet have a small probability of occurrence should also be considered during the preparation of the plan. However, the key feature of a good off-site emergency plan is flexibility in its application to emergencies other than those specifically included in the formation of the plan.

The roles of the various parties who will be involved in the implementation of an off-site plan are described below. Depending on local arrangements, the responsibility for the off-site plan should be either rest with the works management or, with the local authority. Either way, the plan should identify an emergency co-ordinating officer, who would take the overall command of the off-site activities. As with the on-site plan, an emergency control center should be setup within which the emergency co-ordinating officer can operate.

An early decision will be required in many cases on the advice to be given to people living "within range" of the accident - in particular whether they should be evacuated or told to go indoors. In the latter case, the decision can regularly be reviewed in the event of an escalation of the incident. Consideration of evacuation may include the following factors:

- a. In the case of a major fire but without explosion risk (e.g. an oil storage tank), only houses close to the fire likely need to be evacuated, although a severe smoke hazard may require this to be reviewed periodically;
- b. If a fire is escalating and in turn threatening a store of hazardous material, it might be necessary to evacuate people nearby, but only if there is time; if insufficient time exists, people should be advised to stay indoors and shield them from the fire.



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This latter case particularly applies if the installation at risk could produce a fireball with very severe thermal radiation effects;

- c. For release or potential release of toxic materials, limited evacuation may be appropriate down wind, if there is time. The decision would depend partly on the type of housing "at risk". Conventional housing of solid construction with windows closed offers substantial protection from the effects of a toxic cloud, while shanty house, which exist close to factories, offer little or no protection.

The major difference between releases of toxic and flammable materials is that toxic clouds are generally hazardous down to much lower concentrations and therefore hazardous over greater distances. Also, a toxic cloud drifting at, say 300 m per minute covers a large area of land very quickly.

Any consideration of evacuation should take this into account. Although the plan will have sufficient flexibility built in to cover the consequences of the range of accidents identified for the on-site plan, it will cover in some detail the handling of the emergency to a particular distance from each major hazard works.

7.3.5.2 Aspects Proposed to be considered in the Off-Site Emergency Plan

The main aspects, which should be included in the emergency plan, are:

- **Organization**

Details of command structure, warning systems, implementation procedures, emergency control centers. Names and appointments of incident controller, site main controller, their deputies and other key personnel.

- **Communications**

Identification of personnel involved, communication center, call signs, network, list of telephone numbers.

- **Specialized knowledge**

Details of specialist bodies, firms and people upon whom it may be necessary to call e.g. those with specialized chemical knowledge and laboratories.

- **Voluntary organizations**

Details of organizers, telephone numbers, resources etc.

- **Chemical information**

Details of the hazardous substances stored or procedure on each site and a summary of the risks associated with them.



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- **Meteorological information**

Arrangements for obtaining details of weather conditions prevailing at the time and weather forecasts.

- **Humanitarian arrangements**

Transport, evacuation centers, emergency feeding treatment of injured, first aid, ambulances and temporary mortuaries.

- **Public information**

Arrangements for dealing with the media press office and informing relatives, etc.

- **Assessment of emergency plan**

Arrangements for: (a) Collecting information on the causes of the emergency; (b) Reviewing the efficiency and effectiveness of all aspects of the emergency plan.

7.3.5.3 Role of the Emergency Co-ordinating Officer

The various emergency services should be co-ordinated by an Emergency Co-ordinating Officer (ECO), who will be designated by the district collector. The ECO should liaison closely with the site main controller.

The Emergency Operation Center (EOC) functioning at each Taluk office Collectorate, round the clock. Again depending on local arrangements, for very severe incidents with major or prolonged off-site consequences, the external control should be passed to a senior local authority administrator or even an administrator appointed by the central or state government.

7.3.5.4 Role of the Local Authority

The duty to prepare the off-site plan lies with the local authorities. The Emergency Planning Officer (EPO) appointed should carry out his duty in preparing for a whole range of different emergencies within the local authority area. The EPO should liaison with the works, to obtain the information to provide the basis for the plan. This liaison should ensure that the plan is continually kept upto date.

It will be the responsibility of the EPO to ensure that all those organizations, which will be involved in off site handling of the emergency situation, know of their role and are able to accept it by having for example, sufficient staff and appropriate equipment to cover their particular responsibilities. Rehearsals for off-site plans should be organized by the EPO.

7.3.5.5 Role of Police

Formal duties of the police during an emergency include protecting life and property and controlling traffic movements. Their functions should include controlling bystanders, evacuating the public, identifying the dead and dealing with casualties, and informing relatives of death or injury.



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7.3.5.6 Role of Fire Authorities

The control of a fire should be normally the responsibility of the senior fire brigade officer who would take over the handling of the fire from the site incident controller on arrival at the site. The senior fire brigade officer should also have a similar responsibility for other events, such as explosions and toxic release.

Fire authorities in the region should be appraised about the location of all stores of flammable materials, water and foam supply points, and fire-fighting equipment. They should be involved in on-site emergency rehearsals both as participants, and on occasion, as observers of exercises involving only site personnel.

7.3.5.7 Role of Health Authorities

Health authorities, including doctors, surgeons, hospitals, ambulances, and so on, should have a vital part to play following a major accident, and they should form an integral part of the emergency plan. For major fires, injuries should be the result of the effects of thermal radiation to a varying degree, and the knowledge and experience to handle this in all but extreme cases may be generally available in most hospitals. For major toxic releases, the effects vary according to the chemical in question, and the health authorities should be appraised about the likely toxic releases from the plant, which will enable them in dealing with the aftermath of a toxic release with treatment appropriate to such casualties. Major off-site incidents are likely to require medical equipment and facilities additional to those available locally, and a medical "mutual aid" scheme should exist to enable the assistance of neighbouring authorities to be obtained in the event of an emergency.

7.3.5.8 Role of Government Safety Authority

This will be the factory inspectorate available in the region. Inspectors are likely to satisfy themselves that the organization responsible for producing the off-site plan has made adequate arrangements for handling emergencies of all types including major emergencies. They may wish to see well-documented procedures and evidence of exercise undertaken to test the plan.

In the event of an accident, local arrangements regarding the role of the factory inspector will apply. These may vary from keeping a watching brief to a close involvement in advising on operations in case involvement in advising on operations. In cases where toxic gases may have been released, the factory inspectorate may be the only external agency with equipment and resources to carry out tests.

7.4 Occupational Health and Safety

Large industries, in general where numerous activities are involved during construction, erection, testing, commissioning, operation and maintenance, materials and machines are the basic inputs. Along with the boons, the industrialization generally brings several problems like occupational health and safety.

The industrial planner therefore has to properly plan and take the steps to minimize the impacts of industrialization and to ensure appropriate occupational health, safety including fire plans. All these activities again may be classified under construction and erection & operation and maintenance. The proposed safety plan is given below:

ANNEXURE - XI

FORM - V

ENVIRONMENTAL STATEMENT



KANISHK STEEL INDUSTRIES LTD

Old No. 4, New No. 7, Thiru-Vi-Ka 3rd Street, Royapettah High Road,
Mylapore, Chennai - 4. Ph : (044) 4291 9700 Fax : (044) 4291 9719
CIN : L27109TN1995PLC067863
E-mail : sales@kanishksteels.in

ISO 9001



To

The District Environmental Engineer,
Tamil Nadu Pollution Control Board
Gummidipoondi

Date:10.12.2024

Dear Sir,

Sub: Submission of Form V under Rule 14

With reference to the above, we are enclosing the Environmental Statement for the financial year ending 31st March -2024 under Rule-14

Encl: Statement Form V for Kanishk Steel Industries Limited

Kindly acknowledge receipt of the same

Thanking you,

Yours faithfully

for Kanishk Steel Industries Limited

Director

(Ashok Bohra)



FORM -V (Seerule-14)

Environmental Statement for the financial year ending the 31st March -2024
 Kanishk Steel Industries Limited, B 27 M,N,S, SIPCOT Industrial Complex,
 Gummidipoondi 601 201, Tamil Nadu (2023-2024)

PART -A

1. Name and address of the owner/occupier of the : industry/ operation or process	Mr.Vishal Keyal: Chairman & Managing Director Mr.Ashok Bohra: Whole time Director
2.Industry category: Primary (STC Code) Secondary (STC Code)	
3.(a) Production Capacity - Units	A -MS Ingots-36000 Tons/Annum
3.(b) Production Capacity - Units	B-Rerolled Products-54000 Tons/Annum
4.Year of Establishment	1991
5.Date of the last environmental statement submitted	

PART -B**Water and Raw Material Consumption**

I. Water Consumption 3577 KL/Yr.

Process	Actual	2.0 KLD	Actual Usage as	240 KL/Yr
Cooling	Require -	21.0 KLD	per supply:	2520 KL/Yr
Domestic	Ment:-	6.8 KLD		817 KL/Yr
			TOTAL:	3577 KL/Yr

Sl. No	Name of the products	Process water consumption per unit of product output.	
		During the previous financial year 2022-2023	During the current financial year 2023-2024
1	MS Ingots	1.739 Litre/ Ton [Product output-82245 Tons Total Pr.Water 143 KL]	2.598 Litre/ Ton [Product output-92378 Tons Total Pr.Water 240 KL]
2	Rerolled Products		

FORM -V (See rule -14)

Environmental Statement for the financial year ending the 31st March -2024
 Kanishk Steel Industries Limited, B 27 M.N.S. SIPCOT Industrial Complex,
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(2) Raw Material Consumption

Sl. No	Name of raw materials	Name of Products	Consumption of raw material per unit .	
			During the previous financial Year 2022-2023.	During the current financial year 2023-2024
1	MS Scrap	Ms Ingots	1.232 Tons	1.232 Tons
2	MS Billets	Rerolled Products	1.097 Tons	1.117 Tons

"Industries may use codes if disclosing details of raw materials would violate contractual obligation, otherwise all industries have to name the raw materials used.

Sl. N	Pollution	Quantity of pollutants discharged (mass/ day)		Concentration of pollutants in discharges (Total /Volumic)		Percentage of variation from prescribed
1	Water	Nil		Nil		Nil
2	Air	Pollutants concentration [µ /g //m3				Within standard Limits
		PM 10	PM 2.5	SO 2	NO 2	
		76.98	39.25	16.34	18.88	

PART -D**Hazardous Wastes**

(as specified under Hazardous Waste(Management, Handling & Transboundary Movement Rules,2008)

Sl. No	Hazardous Wastes	Total Quantity (KG)	
		During the previous financial Year 2022-2023.	During the current financial year 2023-2024
1	From process	NIL	NIL
2	From pollution control facilities	NIL	NIL

FORM -V (See rule -14)

Environmental Statement for the financial year ending the 31st March -2024
 Kanishk Steel Industries Limited, B 27 M,N,S, SIPCOT Industrial Complex,
 Gummidipoondi 601 201, Tamil Nadu (2023-2024)

**PART -E
Solid Wastes**

Sl. No	Solid Wastes	Total Quantity (KG)	
		During the previous financial Year 2022-2023.	During the current financial year 2023-2024
(a)	From process (i). Slag (ii). Mill scale	5329 Tons 1902 Tons	6228 Tons 2433 Tons
(b)	From pollution control facilities	Nil	Nil
(c)	(1). Quantity recycled within the limit-Mill scale	1217 Tons	1826 Tons
(d)	Mill scale disposed to re-melting	1246 Tons	1855 Tons
(e)	Slag disposed for crushing and land filling	862 Tons	NIL

PART -F

Please specify the characterization(in terms of composition and quantum)of hazardous as well as solid wastes and indicate disposal practices adopted for both these categories of waste

Category of Waste	Characteristics	Quantity (M.T)	Disposal Practice
Solid Waste - Mill scale	Captive and Sales Tons	('23- ;24)- 2454	
- Slag	Disposal to processors and also sent for land-filling	('23- ;24)- Nil	
Hazardous Waste	NA	NA	NA

PART -G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

1	Tree Plantation	Invisible benefits to the environment
2	STP water generation	water treated and used for watering plants

FORM-V (See rule -14)

Environmental Statement for the financial year ending the 31st March -2024
Kanishk Steel Industries Limited, B 27 M,N,S, SIPCOT Industrial Complex,
Gummidipoondi 601 201, Tamil Nadu (2023-2024)

Total annual expenditure incurred towards environmental protection:

1. Material purchase only: Rs.1,07,84,584/-
2. Erection , Labour charge, Civil Cost: Rs. 18,80,941/-

Total: Rs.1,26,65,525/-

So the visible impact of the pollution abatement measures and environment protection shall be Rs.157.70 per ton of steel apart from invisible benefits due to trees (145.68 L /92377 MT)

PART-H

Additional measures/ investment proposal for environmental protection including abatement of pollution, prevention of pollution:-

1	Continuous planting of trees as and when replacement necessary;
2	Bag filters etc installed from February 2024
3	Shed enclosing to reduce dust while unloading;

PART-I

Any other particulars for improving the quality of environment

1	We are providing safe drinking water from our plant to Ganganthotti village
2	We are regularly sprinkling water in an around the units, to suppress dust.
3	We also reimburse the cost of LPG cylinder refilling cost to the employees to avoid coal burning.
4	Regular monitoring of Air Quality by online system.
5	We have already done the tree plantation job and this is a continuous process in and around company areas and Gummidipoondi SIPCOT Office area

FORM -V (See rule -14)

Environmental Statement for the financial year ending the 31st March -2024

Kanishk Steel Industries Limited, B 27 M,N,S, SIPCOT Industrial Complex,

Gummidipoondi 601 201, Tamil Nadu (2023-2024)

1	Saplings,	400 plants planted in Kanishk Steel Industries premises & M/s Triveni Industries Ltd premises, 200 plants planted in & around M/s Kanishk Metal Recycling Pvt Ltd, premises Planting saplings at SIPCOT office area, Gummidipoondi	Rs. 32,000/-	This CSR activity maintained till date-Project executed on 2020-'21
2	Plants & Tree purchase		Rs. 13,000/-	
3			Rs. 3,475/-	
4	Tamarai eri deepening and tree plantation expenses:	Rs.15,27,886/		
5	Vivekananda Nagar, Gummidipoondi Elementary school drinking water bore provided:	Rs.1,35,940/-		
6	Ganganthotti , nearby village, Gummidipoondi drinking water facility provided:	Rs. 30,000/-		
	TOTAL		Rs.17,42,301/	

7	CSR Activity Expenses done viz Amount sponsored for "Clean Ganga Fund during 2021-'22	Rs. 6,98,200/-
8	CSR Activity Expenses done during 2022-'23	Rs.10,22,000/-
9	CSR Activity Expenses done during 2023-'24	Rs.19,02,000/-

Name of Unit-

M/s Kanishk Steel Industries Ltd.,Gummidipoondi, TiruvallurDt.T.Nadu

For Kanishk Steel Industries Limited

(Ashok Bohra)

Director

FORM-V (See rule - 14)

Environmental Statement for the financial year ending the 31st March -2024

Kanishk Steel Industries Limited, B 27 M,N,S, SIPCOT Industrial Complex,

Gummidipoondi 601 201, Tamil Nadu (2023-2024)

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Name of Unit-

M/s Kanishk Steel Industries Ltd, Gummidipoondi, TiruvallurDI, T.Nadu

For Kanishk Steel Industries Limited



Director