



Letter No: - E&P/LDH/00040/2023

Date: - November 30, 2023

To,
The Deputy Director-General of Forests (Central),
Directorate of Environment, Forest & Climate Change,
Integrated Regional office, Bays No.24-25,
Sector 31-A, Dakshin Marg, Chandigarh- 160030.

Subject: - Submission of half-yearly compliance report on the stipulated environmental clearance terms and conditions in respect of 0.75 Million Tonnes Per Annum (MTPA) of Crude Steel Production Through EAF at Industrial Plot A-1, Kadiana Khurd Village (Adjacent to Hi-Tech Cycle Valley), Ludhiana East Tehsil, Ludhiana District, Punjab by M/s Tata Steel Limited for August'23 to September'2023.

Reference: - Environment Clearance Identification No. EC23B008PB183863, issue on dated 10/08/2023.

Sir,

Kindly find enclosed Six-Monthly Compliance Report for the period from August'23 to September'2023 for the conditions stipulated in Environmental Clearance of 0.75 Million Tonnes Per Annum (MTPA) of Crude Steel Production Through EAF at Industrial Plot A-1, Kadiana Khurd Village (Adjacent to Hi-Tech Cycle Valley), Ludhiana East Tehsil, Ludhiana District, Punjab by M/s Tata Steel Limited for your kind considerations.

The copy of above compliance report also being sent in soft format through E-mail (seacpb2017@gmail.com) & (seiaapb2017@gmail.com) for kind perusal. Also copy of compliance report being uploaded on MOEF&CC Parivesh portal

We trust the information furnished is in line with your requirement.

Thanking you,

Yours faithfully
For M/s Tata Steel Limited


Saroj Kumar Singh 30.11.23
Chief – Ludhiana Project

Encl: As above

Copy to:

- 1) The Member Secretary, State Pollution Control Board, Vatavaran Bhavan, Nabha Road, Patiala, Punjab 147001
- 2) The Regional Officer, Ludhiana-1, State Pollution Control Board. Ludhiana.

TATA STEEL LIMITED

C 44-47 Focal Point Phase 2 Ludhiana Punjab 141 010 India
Regd. Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India
Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

Six Monthly Compliance Report to the Terms of Conditions of Environmental Clearance granted in favour Tata Steel limited at Industrial Plot A-1, adjacent to Hi-Tech Valley, village-Kadiana khurd, Tehsil-Ludhiana (East), Distt. - Ludhiana, Punjab, for August'23 to September'2023.

Environment Clearance Identification No. EC23B008PB183863, issue on dated 10/08/2023

S.no	Terms & Conditions	Compliance Status
1	Statutory compliance-	
a	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, No forest land has been involved in project.
b	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable. That no wildlife area covered under the wildlife (Protection) Act 1972 is involved in the project.
c	The project proponent shall prepare a Site-Specific Conservation Plan & 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)	Not applicable. No forest land involved in project.
d	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 Punjab Pollution Control Board	Complied. Consent to Establish has been granted from Punjab state pollution control board on dated 30.10.2023 for the period of 5 years. CTE copy attached as annexure-1
e	The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of drawl of groundwater and also in case of drawl of surface water required for the project. In case of non-grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from the competent authority.	Complied, 1.We had obtained NOC from Punjab Water resource development Authority for drawl of ground Water. NOC attached as annexure-2. 2.We had also made agreement with PSIEC to supply surface water from reservoir which is developed in Hi Tech valley. Copy attached as annexure-3
d	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Shall be Complied. Hazardous waste authorization will be obtain before plant operation.
e	The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.	Shall be complied. Agreed to comply such criteria.
f	The project proponent shall comply with the CLU conditions imposed by the competent authority, if any.	Shall be Complied. We have obtained the Industrial land plot No-A-1

Six Monthly Compliance Report to the Terms of Conditions of Environmental Clearance granted in favour Tata Steel limited at Industrial Plot A-1, adjacent to Hi-Tech Valley, village-Kadiana khurd, Tehsil-Ludhiana (East), Distt. - Ludhiana, Punjab, for August'23 to September'2023.

Environment Clearance Identification No. EC23B008PB183863, issue on dated 10/08/2023

		from PSIEC and as per PSIEC documents CLU already obtained by PSIEC.
--	--	--

S.no	Terms & Conditions	Compliance Status
2	Air quality monitoring and preservation	
A	The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories	Shall be Complied. We have initiated to procure and install the CEMS system to all process stack during commissioning of plant.
B	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act,1986 or NABL accredited laboratories.	Shall be Complied. We have initiated ordering process to hire third party NABL approved laboratory to monitor fugitive dust emission in plant premises.
C	The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	Shall be Complied. Agreed and make arrangement to conduct manual monitoring of ambient air quality as per board specification.
D	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Shall be Complied. Monthly summary report will be submitted along with compliance report after plant get operational.
E	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources	Shall be Complied. We had initiated to procure and install the APC system to dust generating point during commissioning of plant.
D	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags	Shall be Complied. We will install broken bag detection system to track

Six Monthly Compliance Report to the Terms of Conditions of Environmental Clearance granted in favour Tata Steel limited at Industrial Plot A-1, adjacent to Hi-Tech Valley, village-Kadiana khurd, Tehsil-Ludhiana (East), Distt. - Ludhiana, Punjab, for August'23 to September'2023.

Environment Clearance Identification No. EC23B008PB183863, issue on dated 10/08/2023

		leakage of bag and plus jet system to cleaning of bag.
E	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly	Shall be Complied. We will deploy enough cleaning equipment's to maintain the plant housekeeping during plant operation.
F	Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.	Shall be Complied. We will dispose off through co-processing/ recycler/ TSDF facilities during operation.
G	The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin	Shall be Complied.
H	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc	Shall be Complied. We will make arrangement to cover the raw materials in plant premises.
I	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	Shall be Complied. Fumes treatment plant has been ordered and provision to connect with primary & secondary point of furnace.
J	Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.	Shall be Complied. We have provision to provide good air circulation facility in shed to maintain the good working condition.
3	Water quality monitoring and preservation	
A	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Shall be Complied. We will make arrangement of ground water sample collection point in & outside of plant area and same to be tested by third party NABL approved laboratory.
B	Garland drains and collection pits shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off.	Shall be Complied. We will consider making garland drain and collection pit around stock piles area.
C	The project proponent shall practice rainwater harvesting to the maximum possible extent. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and	Shall be Complied.

Six Monthly Compliance Report to the Terms of Conditions of Environmental Clearance granted in favour Tata Steel limited at Industrial Plot A-1, adjacent to Hi-Tech Valley, village-Kadiana khurd, Tehsil-Ludhiana (East), Distt. - Ludhiana, Punjab, for August'23 to September'2023.

Environment Clearance Identification No. EC23B008PB183863, issue on dated 10/08/2023

	collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields	
D	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Shall be Complied. We will install ZED system to recycle and reuse of water to minimize the water intake.
4	Noise monitoring and prevention	
A	Noise level survey shall be carried as per the prescribed guidelines and the report in this regard shall be submitted to the Regional Officer of the Ministry as a part of six-monthly compliance report	Shall be Complied. We will conduct noise study during operation of plant and same has been submitting along with Six monthly compliance report.
B	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during daytime and 70 dB(A) during night time.	Shall be Complied.
5	Energy Conservation measures	
A	The project proponent shall practice hot charging of slabs and billets/blooms as far as possible.	Shall be Complied. We had opted endless casting and rolling technology, hot billets directly fed to rolling process.
B	The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, street lights, parking around project area and maintain the same regularly	Shall be Complied. We will make provision to install solar based light in plant area.
C	The project proponent shall provide LED lights in their offices and residential areas	Shall be Complied. We had already considered to install LED lights in office area.
6	Waste management	
A	Used refractories shall be recycled as far as possible	Shall be Complied. We will make arrangement to recycle the use refractory through approved vendor.
B	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office	Not Applicable. Fly ash shall not be generated by industries.
C	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016	Shall be Complied. All hazardous waste generated during plant

		operation will be disposed off as per prescribed norms.
D	Kitchen waste shall be composted or converted to biogas for further use.	Shall be Complied. We will install Compost machine to convert all organic waste to compost.
7	Green Belt	
A	Green belt shall be developed in an area of 15.36 ha (equal to 33% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 24000 tall saplings (minimum 6 feet height) of indigenous species such as Tun, Amaltas, Mulberry, Arjun, Jamun, Uttranjeeva, Kachnar etc. will be planted by September, 2025.	Shall be Complied. We have initiated the ordering process of plantation as per SEIAA guideline and start the plantation activities.
8	Public hearing and Human health issues	
A	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented	Shall be Complied. Agreed and plan will be prepared and implemented during installation & commissioning of plant.
B	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act	Shall be Complied. Agreed and plan will be prepared and implemented during installation & commissioning of plant.
C	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. There are no housing facilities to be constructed inside of plant boundary.
D	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Shall be Complied. We are monitoring the health condition of workers who's involve in project construction and record to be maintained.
E	The project proponent shall carry out the activities apart from CER activities and spent an amount as commuted during the public hearing as per the public hearing action plan	Being complied. Work has been initiated in CER. The compliance report along with status as attached as annexure-4
9	Environment Management Plan	
A	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/conditions. The company shall have defined system of reporting infringements /deviation / violation of the environmental / forest / wildlife norms / conditions to all /or shareholders / stake holders. The copy	Shall be Complied. Environmental Policy of Tata Steel Limited is applicable for all location. Policy Attached as Annexure- 5.

Six Monthly Compliance Report to the Terms of Conditions of Environmental Clearance granted in favour Tata Steel limited at Industrial Plot A-1, adjacent to Hi-Tech Valley, village-Kadiana khurd, Tehsil-Ludhiana (East), Distt. - Ludhiana, Punjab, for August'23 to September'2023.

Environment Clearance Identification No. EC23B008PB183863, issue on dated 10/08/2023

	of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	
B	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 report to the head of the organization	Shall be Complied. Environment management department already functioning at corporate as well as site level.
C	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 will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 138.56 Crore towards the capital cost and Rs 5.48 Crores/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in application proposal	Shall be Complied. We will adhere the EMP budget incorporated in EIA report and fund will not get diverted to any other purpose.
D	Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report along with the Six-Monthly Compliance Report.	Shall be Complied.
E	Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.	Shall be Complied. We will conduct environmental audit and report will be submitted along with compliance report.
F	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented	Shall be Complied. We will implement all the applicable recommendation of CREP in project.
10	Validity	
A	This environmental clearance will be valid for a period of ten years from the date of its issue or till the completion of the project, whichever is earlier	Shall be Complied.
11	Miscellaneous	
A	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently	Complied. Environmental Clearance along with configuration & environmental safeguard has been published on 18 th August 2023 in Hindustan times in English and Punjabi Jagran in Punjabi language. And also displayed on company website Copy

Six Monthly Compliance Report to the Terms of Conditions of Environmental Clearance granted in favour Tata Steel limited at Industrial Plot A-1, adjacent to Hi-Tech Valley, village-Kadiana khurd, Tehsil-Ludhiana (East), Distt. - Ludhiana, Punjab, for August'23 to September'2023.


Environment Clearance Identification No. EC23B008PB183863, issue on dated 10/08/2023

		attached as annexure-6 (a , b & c).
B	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied. Environmental Clearance copy has been submitted all concern Government office within stipulated time. Copy attached as annexure-7.
C	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis	Shall be Complied.
D	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters ,indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company	Shall be Complied. We have initiated to procure AAQMS & CSEMS and data will be displayed at convenient location for disclosure to the public and put on the website of the company
E	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.	Shall be Complied.
F	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Shall be Complied. We will submit after plant get operational.
G	The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Shall be Complied. We will intimate and get all applicable permission before start production from regulatory authority.
H	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government	Shall be Complied.
I	The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA	Shall be Complied.
J	No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the	Shall be Complied.

Six Monthly Compliance Report to the Terms of Conditions of Environmental Clearance granted in favour Tata Steel limited at Industrial Plot A-1, adjacent to Hi-Tech Valley, village-Kadiana khurd, Tehsil-Ludhiana (East), Distt. - Ludhiana, Punjab, for August'23 to September'2023.

Environment Clearance Identification No. EC23B008PB183863, issue on dated 10/08/2023

	Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any	
K	The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports	Shall be Complied.
12	Additional Conditions	
A	The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report	Shall be complied. We agree to submit the tree plantation progress report along with compliance report.
B	The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM	Shall be Complied. We have initiated procurement of online monitoring system for installation of Inlet & outlet of APCD
C	The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on Parivesh portal	Complied, Submitting herewith as annexure-8
D	The project proponent will submit the revised EIA report incorporating the aforementioned observations of SEIAA within 60 days of grant of EC.	Complied, Revised EIA report has been submitted on dated 09.10.2023. Copy attached as Annexure-9.
E	The project proponent will plant 24000 tall plants of indigenous tree species with minimum 8 feet height and at least 2 inches girth at collar height in 15.36 ha area (33% of total project area). Plantation should be completed by September, 2025.	Shall be complied.
F	The project proponent will submit the detailed plan for implementing AEA activities at a cost of Rs 25.9 crores within 60 days of grant of EC. The details of the activities selected, expenditure to be incurred thereon and timelines of implementation (maximum 5 years) should be clearly specified in the plan	Complied. AEA cost of 25.9 crore has been submitted along with revised EIA report on dated 09.10.2023. Copy attached as annexure-10.
G	The EC granted is liable to be suspended in case of failure to comply with decisions at S. No.'s d to f above.	Complied.


(Signature) 30.11.23

**Chief – Ludhiana Project
Tata Steel limited**



Office Dispatch No.: PBIP/PPCB/E-I/631111/2023/1

Date: 29/08/2023

To

CHANAKYA CHAUDHARY
TATA STEEL , CORPORATE CENTRE
LUDHIANA, LUDHIANA-EAST - 831001

Subject:- Grant of "Consent to Establish"(NOC) for an industrial plants u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981.

With reference to your application for obtaining fresh 'Consent to Establish'(NOC) an industrial plants u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act,1981, you are, hereby, permitted to establish the industrial plant to discharge the effluent(s) & emission(s) arising out of your premises subject to the Terms and Conditions as specified in this Certificate.

1. Particulars of Consent to Establish (NOC) granted to the Industry:

PIN	220328213
Application No.:	2306819938
Date of Issue:	29-Aug-2023
Date of Expiry:	24-Jul-2028
Certificate Type:	Fresh
Certificate No:	CTE/Fresh/LDH-I/PBIP/2023/ 2306819938

2. Particulars of the Industry:

Name & Designation of the Applicant:	Chanakya Chaudhary, (Vice President)
Name of Business Entity	Tata Steel Limited
Name of the Project/Unit:	0.75 Million Tonnes Per Annum (MTPA) Crude Steel Production Through EAF - Tata Steel Limited
Address of Project/Unit:	Industrial Plot A-1, Kadiana Khurd Village (Adjacent to Hi-Tech Cycle Valley), Ludhiana East Tehsil, Ludhiana District, Punjab , Ludhiana-East , Ludhiana
Capital Investment of the Industry(in lakhs):	259000
Category of Industry:	Red
Type of Industry:	1053 - Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units
Scale of the Industry:	Large - > Rs. 50 Crore
Office District:	Ludhiana-1
Consent Fee Details:	Rs. 43,20,500/- vide R no. 266920553 dated 25.7.2023 on account of CTE fees against the proposed project cost of Rs. 2590 Cr.
Raw Materials (Name with	Scrap @8,40,000 MT/Annum, Lime @25,000 MT/ Annum, Dolomite @ 11,000 MT/

quantity per day):	Annum, Coke @ 8,500 MT/ Annum, CaF2 @ 1,000MT/ Annum, Ferro Alloy @ 16000 MT/ Annum
Products (Name with quantity per day):	Finished Bars @ 750000 MT/ Annum from raw material i.e. Scrap @840000 MT/Annum, LIME @25000 MT/ Annum, Dolomite @ 11000 MT/ Annum, Coke @ 8500 MT/ Annum, CaF2 @ 1000 MT/ Annum and Ferro Alloy @ 16000 MT/ Annum
By Products, if any (Name with quantity per day) :	EAF SLAG@120000 MT/Annum
Details of the machinery and processes:	Proposed Machinery Details as per application form.
Details of Effluent Treatment Plant:	Trade Effluent @ 588 KLD – to be treated through ETP followed by RO Plant; RO Permeate@528 to be reused in process for cooling purposes and RO Reject@60 KLD to be disposed off slag quenching process (ZLD to be achieved) Domestic Effluent @ 216 KLD - to be treated through STP@250 KLD capacity based on MBBR technology
Mode of disposal of Effluent:	For Trade Effluent– ZLD to be achieved. Treated Domestic Effluent - onto land for plantation/ green area@15.36 ha to be developed as per Karnal technology within premises.
Standard to be achieved under Water(Prevention & Control of Pollution) Act, 1974:	As prescribed by the CPCB/PPCB/MoEF&CC, from time to time.
Sources of emissions and type of pollutants:	Process: Continuous Casting Machine, Electric Arc Furnace & Ladle Refining Furnace – SPM DG Sets: 2 no. DG Sets of capacity 1,000 KVA – SPM, SOx, NOx
Mode of disposal of emissions with stack height:	Process: Common stack with Common APCD- 80m AGL DG Sets: 2 no. DG Sets of capacity 1,000 KVA – stack of height as per following formula: $H = h + 0.2 (KVA)^{0.5}$ where h = height of the building in meters where the generator set is installed.
Quantity of fuel required in TPD:	Process: Electric Arc Furnace @ 75 TPH, Ladle furnace @ 75 TPH, Continuous Casting Machine @ 1* Single Strand high Speed Billet caster, Re-bar mill @ 750000 MTA - Electricity DG Sets: 2 no. DG Sets of capacity 1000 KVA – HSD Only
Type of Air Pollution Control Devices to be installed:	Process: Common APCD i.e. Bag House Filter with Continuous Casting Machine, Electric Arc Furnace & Ladle Refining Furnace and having Stack of adequate height i.e. 80 m AGL DG Sets: 2 no. DG Sets of capacity 1000 KVA – Canopy to be provided
Standard to be achieved under Air(Prevention & Control of Pollution) Act, 1981:	As prescribed by the CPCB/PPCB/MoEF&CC, from time to time.

Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

Endst. No.

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

1. Senior Environmental Engineer, Zonal Office-I, Ludhiana.
2. Environmental Engineer, Regional Office-I, Ludhiana.

-sd-

Environmental Engineer (PBIP)

for & on behalf of

Chief Environmental Engineer (PBIP)

A. GENERAL CONDITIONS

1. The industry shall apply for consent of the Board as required under the provision of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Authorization under Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016, two months before the commissioning of the industry.
2. The industry shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipments etc. which are likely to cause environmental pollution.
3. The Industry shall apply for further extension in the validity of the CTE atleast two months before the expiry of this CTE, if applicable.
4. The industry shall comply with any other conditions laid down or directions issued by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act,1981 from time to time.
5. The project has been approved by the Board from pollution angle and the industry shall obtain the approval of site from other concerned departments, if need be.
6. The industry shall get its building plans approved under the provisions of section 3-A of Punjab Factory Rules, 1952
7. The industry shall put up display board indicating the Environment data in the prescribed format at the main entrance gate
8. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets

Specifications of the port-holes shall be as under:

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (D_e) shall be calculated from the following equation to determine upstream, downstream distance:-

$$D_e = 2 LW / (L+W)$$

Where L= length in mts. W= Width in mts.

- ii) The sampling port shall be 7 to 10 cm in diameter

9. The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

(i) Stack height for boiler plants

S.No.	Boiler with Steam Generating Capacity	Stack heights
1	Less than 2 ton/hr	9 meters or 2.5 times the height of neighboring building which ever is more
2	More than 2 ton/hr to 5 ton/hr	12 meters
3	More than 5 ton/hr to 10 ton/hr	15 meters
4	More than 10 ton/hr to 15 ton/hr	18 meters
5	More than 15 ton/hr to 20 ton/hr	21 meters
6	More than 20 ton/hr to 25 ton/hr	24 meters

7	More than 25 ton/hr to 30 ton/hr	27 meters
8	More than 30 ton/hr	30 meters or using the formula $H = 14 Qg^{0.3}$ $H = 74 (Qp)^{0.24}$ Where Qg = Quantity of SO ₂ in Kg/hr. Qp = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

Capacity of diesel generating set	Height of the building	Height of the Stack
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	-do-	+ 2.0 mt
100-150 KVA	-do-	+ 2.5 mt
150-200 KVA	-do-	+ 3.0 mt
200-250 KVA	-do-	+ 3.5 mt
250-300 KVA	-do-	+ 3.5 mt

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

10. The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.

11. The industry shall provide flow meters at the source of water supply, at the outlet of effluent treatment plant and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th day of the following month.

12. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-

(i) Once in Year for Small Scale Industries.

(ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries

13. The pollution control devices shall be interlocked with the manufacturing process of the industry.

14. The Board reserves the right to revoke this "consent to establish" (NOC) at any time, in case the industry is found violating any of the conditions of this "consent to establish" and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time

15. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per acre along the boundary of the industrial premises.

16. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.

17. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.

18. Nothing in this NOC shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.

19. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.

(i) Where unavoidable to prevent loss of life or some property damage or

(ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.

20. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.

21. The industry shall comply with the conditions imposed if any by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06.

22. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.

23. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.

24. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable

25. The industry shall provide proper and adequate air pollution control arrangements for control emission from its coal/fuel handling area, if applicable.

26. The Industry shall comply with the code of practice as notified by the Government / Board for the type of Industries where the siting guidelines / code of practice have been notified

27. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner so as to prevent any pollutants from such materials from entering into natural water

28. The industry shall submit a detailed plan showing therein, the distribution system for conveying wastewaters for application on land for irrigation along with the crop pattern to be adopted throughout the year

29. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.

30. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the NOC and shall not carry out any expansion without the prior permission/NOC of the Board.

31. All amendments/revisions made by the Board in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.

32. The industry shall not cause any nuisance/traffic hazard in vicinity of the area.

33. The industry shall maintain the following record to the satisfaction of the Board :-

(i) Log books for running of air pollution control devices or pumps/motors used for it.

(ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.

(iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.

34. The industry shall ensure that there will not be significant visible dust emissions beyond the property line.

35. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, if applicable.

36. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry

-sd

Environmental Engineer (PBIP)

for & on behalf of

Chief Environmental Engineer (PBIP)

B. SPECIAL CONDITIONS

1. This Consent to Establish (NOC) from pollution angle has been issued for establishment of industrial unit [Red Category (1053 - Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units)] at Industrial Plot A-1, adjacent to Hi-Tech Cycle Valley at village Kadiana khurd, Tehsil Ludhiana (East), Distt. Ludhiana, Punjab on land measuring 115 acres, for manufacturing of Finished Bars @ 750000 MT/ Annum from raw material i.e. Scrap @840000 MT/Annum, LIME @25000 MT/ Annum, Dolomite @ 11000 MT/ Annum, Coke @ 8500 MT/ Annum, CaF₂ @ 1000 MT/ Annum and Ferro Alloy @ 16000 MT/ Annum, only.
2. The industry shall comply with the conditions of environmental clearance issued by SEI/IAA vide no. EC23B008PB183863 dated 10.08.2023 to the proposal number SIA/PB/IND1/430223/2023 dated 08 Jun 2023 in true letter and spirit and shall submit the compliance on time to time as prescribed to Board & NR office of MoEF&CC.
3. The industry will submit building plans approved from the competent authority under the Factories Act, 1948 before obtaining consent to operate of the Board.
4. The industry shall obtain necessary permission from the PWRDA before installing tubewell/ borewell at site for abstraction of groundwater.
5. The industry shall not use fresh water in construction and shall utilize the treated wastewater of nearby STPs.
6. The industry shall be bound to achieve Zero Liquid Discharge as per proposal submitted by it.
7. The industry shall install adequate and appropriate Pollution control devices in accordance with the feasibility report submitted by it, so as to contain the various pollutants in the effluent / emissions discharged by the Industry within the prescribed limits of the Board.
8. The industry shall install the pollution control devices simultaneously in commensuration with the project construction.
9. The industry shall develop adequate green/plantation area for disposal of treated domestic effluent as per the proposal submitted by it.
10. The industry shall maintain its plantation area as well as ensure uniform distribution of wastewater in the entire plantation area after treatment through its STP, so that no stagnation of wastewater occurs inside, outside or in the plantation area at any time.
11. The industry shall not discharge any trade & domestic effluent (treated or untreated) into choe/ drain /river or in inland surface water at any time or any other unauthorized place by any unauthorized means.
12. The industry shall provide a buffer zone of green belt (dense populated trees with pleasant fragrance) around the sewage treatment plant, so as to reduce the effect of odour problem in its vicinity.
13. The industry shall properly handle and manage the solid waste as per the provisions of the Municipal Solid Waste Management Rules, 2016 and ensure that the solid waste is segregated into biodegradable and non-biodegradable components. The biodegradable component shall be treated by providing on-site facility to produce compost, which will be disposed of/reused in an environmentally sound manner and the non-biodegradable solid waste shall also be disposed of in an environmentally sound manner.
14. The industry shall also ensure that the hazardous waste and e-waste components of the solid waste shall also be segregated and the same shall be channelized to the authorized facility for such type of waste.
15. The industry shall comply with the provisions of the Construction and Demolition Management Rules, 2016.
16. The industry shall take adequate steps to the effect that the construction material of any kind that is stored at site shall be fully covered in all respects so that it does not disperse in the air in any form. The industry shall ensure that all the construction material and debris shall be carried out in trucks or other vehicles which are fully covered and protected so as to ensure that the construction debris or the construction material does not get disburse into the air or atmosphere in any form.
17. The industry shall take all necessary steps to control the dust emissions to be generated from the

construction activities of the project.

18. The industry shall ensure that the vehicles carrying construction material and construction debris of any kind shall be cleaned before it is permitted to ply on the road after unloading of such material.

19. The industry shall provide mask to every worker working on the construction site and involved in loading/ unloading and carrying of construction material and construction debris.

20. The industry shall provide all medical help, investigation and treatment of workers involved in construction of building and carrying out construction material and debris related to dust emissions.

21. The industry shall make use of alternatives of single use plastics (SUP) within its premises and will not use any SUP items banned in accordance with MoEF&CC notification no. G.S.R. 571(E) dated 12.08.2021.

22. The industry has been approved by the Board from pollution angle and the industry shall obtain the statutory clearances / permissions from all other concerned departments.

23. The industry shall ensure that the activities of unit does not create any nuisance in the surrounding areas and no public complaints are received.

24. The Consent is being issued to the industry based upon the documents/information/ undertakings submitted by it along with the online application form. The Board would be at liberty to take penal action against the industry and its responsible/ concerned person(s) in case information/document is detected as incorrect/false/misleading at any point of time.

- sd.

Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

Annexure-2



PUNJAB WATER REGULATION AND DEVELOPMENT AUTHORITY
 sco 149-152, Sector 17 c, Chandigarh – 160017
PERMISSION FOR EXTRACTION OF GROUNDWATER
 (Under The Punjab Groundwater Extraction And Conservation Directions, 2023)

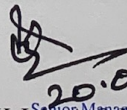
Unit ID:	Permission Number:	Date of Grant of Permission	Valid up to
0850101205	PWRDA/I/06/2023/L3/67	20.06.2023	19.06.2026

1	Name of Unit:	TATA Steel Ltd.	
2	Activity of Unit:	Industrial	
3	Address/Location of Unit:	Tata Steel Ltd., Plot No.-A1, Kadiana Khurd (adj. Hi-Tech Valley)	
		District Ludhiana	PIN: 141015
4	Assessment Area (Block):	Ludhiana-II	Status: Orange
5	District	Ludhiana	
6	Head Office Address:	Bombay House 24 Homi Street Mumbai	
			PIN: 400001
	Email	mdoffice@tatasteel.com	saroj.singh@tatasteel.com
	Phone/Mobile No.	022-66657724	9234551893
7	Project Status:	New	
8	No. of Existing Tube-Wells	No. of Proposed Tube-Wells	Total Number of Tube-Wells Permitted
		00	05
9	Volume of Ground Water Permitted to be Extracted(m ³ /month)	Fresh	Brackish/Saline
		75000	-

Note: This permission is granted in terms of the Punjab Groundwater Extraction and Conservation Directions, 2023 notified on 27th January, 2023 under section 15 of the Punjab Water Resources (Management and Regulation) Act, 2020 and is subject to the conditions given overleaf.

Dated: 20.06.2023
Place: Chandigarh




 20.06.2023,
 J.K. Jain (Admin & Coord.)
 Punjab Water Regulation and
 Development Authority

Simran Kaur
 20/06/2023



Punjab Small Industries & Export Corporation Ltd.
(A STATE GOVT. UNDERTAKING).

18, HIMALAYA MARG, UDYOG BHAWAN, SECTOR 17 A, CHANDIGARH-160017
PHONE: 2702301 305, FAX: 2702039, Email: xenone.psicc@gmail.com

NO.PSIEC/EE-1/860-65
Dated:- 24-8-2022

**Sh. Utsav Kant,
Sector Officer,
Invest Punjab,
Chandigarh.**

**Subject:- MoU between Tata Steel Limited and Govt. of Punjab, PBIP,
Deptt. Of Investment Promotion.**

Kindly refer to the MoU (PUC) between Tata Steel Limited and Govt. of Punjab, PBIP, Deptt. Of Investment Promotion received via whatsapp on 15.08.2022 at 7.00 P.M.

The Parawise Reply to the Draft MoU conditions is submitted as under:-

A. LAND:

- a) Tata Steel will require approximately 150 acres of land at Kadiana Khurd, in Hi-Tech Valley, Ludhiana for the purpose of setting up the Project and associated facilities.
- b) The Government of Punjab agrees to provide approx. 150 Acre of land at Kadiana Khurd, Hi-Tech Valley, Ludhiana, free from all encumbrances to Tata Steel through Punjab Small Industries & Export Corporation (PSIEC) for construction of the plant and allied facilities.

Reply a & b :-

Undeveloped Plot no. A-1, Kadiana Khurd having 115 Acre area has already been allotted to Tata Steel on 14-07-2022. The terms & conditions for the same are mentioned in the allotment letter. Further, to meet up the additional requirement of 35 Acre, if any, Tata Steel may participate in the E-Auction to purchase the developed Plots bearing No. B-02, B-03 and E-02 at Hi-Tech Valley, Dhanansu.

- c) PSIEC shall ensure development and providing of all enabling infrastructure including water pipeline, road connectivity, power supply

transmission line, gas pipeline up to the doorstep at the selected land without any additional charges to Tata Steel.

Reply: -

PSIEC shall provide the raw water pipeline, Power supply -LT distribution through PSPCL, road connectivity up to the doorstep of the plot.

Whereas, PSIEC shall provide NoC/ROW to the Gas pipe line distribution agency to cadre the Tata Steel Ltd. as per the standard procedure. Whereas, Tata Steel Ltd. shall take up the matter with Gas pipe line distribution agency at its own level as well as bear necessary cost.

- d) PSIEC shall allow use of central transport park at Hi-tech Valley for enabling necessary parking of trucks, trailers and vehicles as per requirement without any additional charges to Tata Steel.

Reply: -

It is pertinent to mention here that allottees having plot area more than 45 Acre have to make their own arrangement within their plots for transport parking as per the stipulations laid by SIEAA while according the Environment Clearance for the Hi-Tech Valley Project.

Thus, all the necessary arrangements for transport parking is required to be done by the Tata Steel Ltd. at its own level within its premises.

B. WATER:

- a) The Government of Punjab will provide required quantum of average water requirements 250 m³ per hour including meeting peak requirement to Tata Steel at the selected site. For this purpose, if up-gradation / renovation or any other measure is found to be necessary, the same shall be done without any cost to Tata Steel.

Reply: -

PSIEC will provide 250 m³ per hour or 2.45 cusec or 6000KLD of raw water to Tata Steel Ltd. However, if any peak demand/requirement raised or upgradation/renovation required by the Tata Steel Ltd., then the necessary arrangements is required to be made by the Tata Steel after taking up the matter with Deptt. Of Water Resources at its own cost/level.

- b) The Government of Punjab will built necessary storage facilities in form of reservoirs to also ensure supply of water during the shutdown/ maintenance of water pipeline.

Reply: -

Undeveloped Plot no. A-1, Kadiana Khurd having 115 Acre area has already been allotted to Tata Steel on 14-07-2022. According to which, all the other facilities/amenities shall be developed by the Tata Steel Ltd. at its own level/cost except road connectivity (Ref. Note v.)

C. POWER:

- a) Tata Steel requires 100 MVA peak (approx.) power for the Project. Power requirement will be met from State DISCOM and from captive power generator located outside the state. In case of outage of its captive generator, the shortfall will also be met from the DISCOM. The entire power consumed from DISCOM will be charged at the special tariff provided by the Government of Punjab for the project for the mentioned time period.

Reply: -

Related to PSPCL/PSTCL.

- b) The Government of Punjab agrees to arrange for supply of power at 220 kV to the doorstep of the Project through Punjab State Transmission Corporation Limited / distribution licensee.

Reply: -

TSL shall apply to PSTCL for 220KV connection as per the norms/rules of PSTCL as the same is not covered under the scope of PSIEC.

- c) The power requirement at the construction stage is estimated at 4 MVA. The Government of Punjab agrees to arrange to supply the required power through Punjab State Transmission Corporation Limited / distribution licensee.

Reply: -

TSL shall apply to PSPCL for electrical connection as per the norms/rules of PSPCL. PSIEC will take up the matter with PSPCL for the same to facilitate TSL.

- d) Tata Steel, through its Captive power plant located outside the state / associated entities, will be permitted to transmit and supply power to the Project, as and when need arises, through Punjab State Transmission Corporation Limited / distribution licensee subject to CERC Inter-State

and Punjab State Intra-State open access regulations as amended from time to time..

Reply: -

Matter is required to be taken up with PSPCL/PSTCL for appropriate action as per norms/rules.

- e) The Government of Punjab will ensure approval of Power consumed from its captive waste heat recovery power plant as equivalent to Renewable power and as non-obligated for Renewable Purchase obligation.

Reply: -

PSPCL/PSTCL may consider the request as per norms/rules.

- f) The Government of Punjab agree that no additional surcharge or cross-subsidy or duty in any form shall be applicable for captive power sourcing by Tata Steel for the Project.

Reply: -

PSPCL/PSTCL may consider the request as per norms/rules.

D. ENVIRONMENT:

- a) The Government of Punjab agrees to assist Tata Steel in obtaining no objection certificate (NOC) through the State Pollution Control Board for the construction of the Plant, water supply infrastructure, power projects etc.
- b) The Government of Punjab agrees to assist Tata Steel in obtaining all clearances from the Central Government, as may be required.
- c) Tata Steel will arrange to conduct an Environment Impact Assessment (EIA) study and prepare an Environment Management Plan (EMP) for the project. The Government of Punjab agrees to assist Tata Steel in this regard during the entire Environment Clearance (EC) process.

Reply a, b & c : -

Undeveloped Plot no. A-1, Kadiana Khurd having 115 Acre area has already been allotted to Tata Steel on 14-07-2022. According to which, the allottee will obtain various clearances, permits, licenses etc. including Environment Clearance at its own level from various Government Departments/Agencies/ Corporations/ Local Bodies etc. required, if any to set up the unit (Ref Clause No.26).

Further, Matter relates to Invest Punjab.

E. INCENTIVES AND CONCESSIONS:

Tata Steel understands that the Government of Punjab would grant such incentives and concessions as are provided in the Industrial & Business Development Policy 2017 (IBDP 2017), as amendment from time to time. Tata Steel investment of ~ Rs 2600 Cr shall fall under the Ultra Mega category as defined in IBDP 2017. Specific provision as applicable as on date of this MOU are detailed below:

1. Clause 10.25.1 - New Industrial unit meeting following criteria will be considered for the incentives for Ultra Mega Projects:

Category	Minimum Fixed Capital Investment (Rs. Cr)	And Minimum Contract Demand (MVA)
1. Ultra-Mega Projects	Above 2500	30 MVA

2. Clause 10.25.2 - All the benefits of Anchor units as applicable under IBDP 2017 shall be available to the Ultra Mega project unit. However, in respect of "variable power tariff" and "Net GST reimbursement" the following special incentives will be available in place of the respective incentives available under IBDP 2017.

Sr. No.	Incentive Category	Ultra-Mega Project
01	Variable Power Tariff at Rs.5 per unit	Special power tariff* will be available for 5 years from the date of release of permanent power connection.
02	Net GST reimbursement	100% of net GST for 20 years with a cap of 200% of FCI.

*In case, the State Utility provides variable power tariff lower than Rs.5 per unit, the lower variable power tariff will be applicable to the unit.

3. Clause 10.11.3 provides that The State will give following special incentives to the Anchor Units apart from other fiscal and non-fiscal incentives, which the unit may be entitled to

Sr.	Nature of Incentive	Extent of Incentive
-----	---------------------	---------------------

No.		
1	Exemption from CLU/EDC	100% exemption from CLU/EDC charges
02	Employment Generation subsidy	Employment Generation subsidy @ Rs 36,000 per employee per year for a maximum period of 5 years and Rs. 48,000 per employee per year for a maximum period of 5 years for women and SC/BC/OBC employee must be certified by a Government or Government agency
03	Exemption from Electricity Duty	100% exemption for 15 Years

4. Clause **10.25.3** The applicable conditions are:

- i. CAF (Common Application Form) should be filed before 17th Oct 2022 i.e the sunset of IBDP 2017.
- ii. (ii) Date of Production (DoP) should be attained within 3 years (for Mega Projects) / 4 years (Ultra Mega Projects) from date of submission of complete CAF. However, in special cases, for reasons to be recorded in writing, delay in attaining the date of production may be condoned with the approval of Chairman of Punjab Industrial & Business Development Board.”

Procedure of claim and grant of incentives are governed by provisions of Industrial & Business Development Policy 2017 & Detailed Schemes & Operational Guidelines 2018 (DSOG 2018), as amended from time to time.

Reply 1,2,3 & 4: -

Relates to Invest Punjab.

F. GENERAL CLAUSE:


1. The areas of co-operation mentioned above highlight only the major issues involved in setting up of the Project. Other issues, as and when they arise, and sharing of the responsibilities between both parties shall be decided through mutual agreement on a case-to-case basis. In general, the Government of Punjab agrees to render all assistance to facilitate Tata Steel in establishing the Project.
2. The Government of Punjab appreciates that Tata Steel is a responsible corporate house with a high involvement in employees' welfare and social

development. The Government of Punjab, therefore, anticipates that Tata Steel will bring this philosophy to the Project being set up in the district of Ludhiana to ensure the well being of this district in particular and people of Punjab in general. In possessing the necessary qualifications, Tata Steel will make every effort to improve their skill levels, if necessary, through specialized training.

3. The Government of Punjab appreciates that Tata Steel will be entitled to induct suitable Joint Ventures, choose appropriate financial options, suppliers, credit options and technologies in the best interest of the project.
4. Tata Steel understands that the offers and special considerations of the State Government indicates in this MoU are for the Project envisaged in para -5 where the final product is Steel / Steel products and not for any intermediary product unless the same is for captive use in the Project in Punjab.
5. It shall be obligatory on Tata Steel to furnish all information required by the State Government relevant to planning, formulation, lay out, financing and implementation of the project as well as the financial and management status and performance of the promoter as and when so required by the State Government as expeditiously as possible.

Reply 1-5 :-

PSIEC will provide the necessary assistance/facilities as per the allotment letter Dated 14.07.2022. Further, matter relates to Invest Punjab.


**Executive Engineer-I
PSIEC, Chandigarh**

CC:-

1. PS to MD for kind information of W/MD, PSIEC please.
2. PA to AMD for kind information of W/AMD, PSIEC please.
3. CE, PSIEC for kind information please.
4. CTC/CGM (Planning) for kind information please.
5. Executive Engineer (Elec.), PSIEC Chandigarh.

Compliance Report

During public hearing the stakeholders requested development in areas of technical training, education, sports development, schools infrastructure improvement, pond development, greenery in the area, medical/health care facilities. The request has been assessed and following areas has been identified as scope of intervention.

SN	Areas of Intervention
1	Improving quality of education in school
2	Promoting sporting culture amongst rural youth
3	Skill Development of youth
4	Developing an ecosystem that fosters self-reliance and a life of dignity for all Persons with Disability (PwDs)

Section 2: Status of Proposed Initiatives in areas of Education, Sports & Skill Development

A. Improving Quality Education in School

(i) Upgrading Schools through Construction of new and Renovation of existing infrastructure

To upgrade school infrastructure the technical team has conducted assessment. Infrastructure of Primary school in Kadiana Kalan is found to be in poor condition and children are being accommodated in 02 classrooms due to lack of infrastructure. 02 classrooms is proposed to be constructed in Primary School Kadiana Kalan to provide learning environment in shaping overall educational experience and outcome for students. Following activities has been conducted:-

- Identification and Assessment of existing School infrastructure and feasibility to construct new classrooms.
- NOC obtained from School Management Committee
- Estimates and BOQ has been finalized
- Tendering Process is in Progress to execute the activity.



Survey in progress to map the aspirations of youth in proximate village.

B. Promoting sporting culture amongst rural youth

(i) Identifying and developing sporting talent among rural youth

Grassroots Football Festivals were conducted in village to assess the interest of children in sports and to develop sporting talent among rural children and youth. More than 190 participated in these festivals. Looking at the interest of kids 3 Grassroot cum In-School Football Training Program has been initiated in 03 villages- Bhukri Kalan, Kadiana Kalan and Kadiana Khurd. 02 coaches have been deployed for this purpose who regularly visits the 03 Centres to coach children of age group under 10 and under 12 to facilitate them to learn skill and develop sporting talent in football.

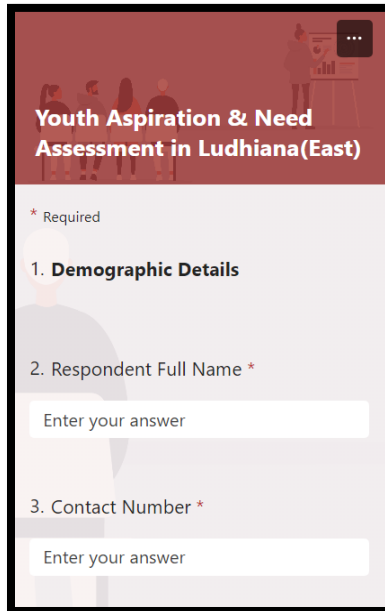
Few Photographs of activities



Grassroot Football Training Program being conducted in Proximate village

C. Skill Development of youth

It is proposed to open a Multi Skill Development Centre to upgrade the skill and make the youth employable. In this regard survey is being conducted in proximate villages to assess the aspiration of youth of age group 18-35 years.



Youth Aspiration & Need Assessment in Ludhiana(East)

* Required

1. Demographic Details

2. Respondent Full Name *

Enter your answer

3. Contact Number *

Enter your answer



Survey in progress to map the aspirations of youth in proximate village.

4. Developing an ecosystem that fosters self-reliance and a life of dignity for all Persons with Disability (PwDs)

(i) Identification, certification and saturation of PwD's

Mobilization and interaction with PwDs has been conducted and key stakeholders has been identified.

Compliance Report

Section 1: Proposed CER Plan for 05 Years in Ludhiana

Sl.No	Particulars	Year 1 (23-24)	Year 2	Year 3	Year 4	Year 5	Total
		(Rs. In Lakh)					
1	Solution for Community sewage treatment and waste management in 12 Gram Panchayat in Proximate Villages developed by Tata Steel Foundation(TSF)and managed by the Gram Panchayat	22.00	222.48	155.74	558.01	599.35	1557.58
2	Solid Waste Mgmt including composting /vermi composting in 12 villages	0.00	33.00	33.00	66.00	66.00	198.00
3	Creating/Updgrading Community Park or Space	0.00	66.00	0.00	0.00	0.00	66.00
4	Installation of Solar Solutions to promote green energy	30.80	73.92	73.92	30.80	30.80	240.24
5	Provision of Roof top Rainwater harvesting in Public Schools or in other Public Buildings in Proximate village	0.00	11.00	11.00	11.00	11.00	44.00
6	Cleaner Fuels	0.00	5.50	5.50	5.50	5.50	22.00
7	Plantation	15.00	4.50	3.00	1.50	0.00	24.00
8	Community Symposium on Agri Farm	5.50	33.00	27.50	27.50	27.50	121.00
9	The Green School Project to promote behavior change for environmental conservation and develop resilience among vulnerable communities through school ecosystems	0.00	33.00	38.50	38.50	33.00	143.00
10	Community based Upcycling of Plastic Waste	5.50	55.00	27.50	27.50	27.50	143.00
12	Community & Youth Awareness on Environment through Outbound Activities	0.00	11.00	11.00	8.80	8.80	39.60
		78.80	548.40	386.66	775.11	809.45	2598.42

Note: The budget proposed is projection that can vary basis need and implementation.

Section 2: Status of Proposed Project in FY 2023-2024

Sl.No	Particulars	Year 1(2023-24
		(Rs. In Lakh)
1	Solution for Community sewage treatment and waste management in 12 Gram Panchayat in Proximate Villages developed by Tata Steel Foundation and managed by the Gram Panchayat	22.00
2	Installation of Solar Solutions to promote green energy	30.80
3	Provision of Roof top Rainwater harvesting in Public Schools or in other Public Buildings in Proximate village	0
4	Plantation	15.00
5	Community Symposium on Agri Farm	5.50
6	Community based Upcycling of Plastic Waste	5.50
	Total	78.80

A. Solution for Community sewage treatment and waste management in 12 Gram Panchayat in Proximate Villages developed by Tata Steel Foundation and managed by the Gram Panchayat

A patch of land in proximate village from the proposed Tata Steel Project site has stagnant sewer water. Untreated sewage is the leading polluter of water sources causing host of diseases and environmental degradation. Rejuvenation of sewer pond is proposed by treating the wastewater and making it safe for human and environmental contact.

Status

Developing comprehensive understanding about STPs

Multiple STP technologies (conventional, Seechewal, Thapar, Ecosan etc.) have been explored to create an understanding of its advantages and limitations before executing the same in proximate village.

In this process Seechewal Model in Jalandhar has been visited and found suitable to be executed in proximate identified villages. 12 villages has also been identified where STP will be executed.

Identification of Proximate Villages

12 villages has been identified where STP will be executed. The STP will first be installed in Kadiana Khurd village and subsequently in proximate village.

SN	Villages	No. of Household (as per Census 2011)	Population(As per census 2011)
1	Kadiana Khurd	195	942
2	Kadiana Kalan	298	1554
3	Bhukri Khurd	55	323
4	Bhukri Kalan	254	1267
5	Khasi Khurd	123	626
6	Khasi Kalan	486	2422
7	Bounker	275	1617
8	Jiwanpur	171	1032
9	Machian Kalan	501	2738
10	Machian Khurd	103	494
11	Mattewara	282	1435
12	Mianwal	274	1452

Community Mobilization and Formation of Committee

Recognizing the vital importance of the STP to be developed by Tata Steel Foundation on land being provided by Panchayat of Kadiana Khurd it a committee including Panchayat and villagers of Kadiana Kurd a committee has been formed with an objective to facilitate effective planning, monitoring, maintenance and management of STP ensuring ownership of the community.

Exposure Visit of Committee and Panchayat members to Seechewal to develop understang on Seechewal Model

Exposure visit of Panchayat members of Kadiana Khurd village has been conducted to village Seechewal to understand the model as solution for community sewage treatment and waste management will be managed and owned by the Gram Panchayat. As a result of exposure visit, the Panchayat members of Kadiana Khurd village has agreed to install Seechwal model (letter from Panchayat is attached).

A detailed survey of household Kadiana Khurd village will be conducted followed by implementation of Project.

Pictures of the Activity Conducted



Site Visit by TSF team to understand various STP Model(Thapar Model , Seechewal Model, Eco STP and Soil biotechnology based STP)

B. Installation of Solar Solutions to promote green energy

Installation of Solar Solution for sustainable energy is a crucial step towards promoting green energy and reducing environmental impact.

Status

Assessment of villages and public schools to install solar solutions

Assessment of villages and public buildings for strategic solar solution installation aiming to enhance energy efficiency and foster sustainable development has been conducted. Navodaya School in Dhanansu and other senior secondary public schools has been identified to install solar solutions. Solar street light in few villages will be also be installed to promote green energy.

C. Provision of Roof top Rainwater harvesting in Public Schools or in other Public Buildings in Proximate village

Roof rain water harvesting structure in proximate village will serve a water conservation method addressing the regions water scarcity fostering sustainable practices to secure water resources for the community.

Status

Assessment public schools for roof rain water harvesting structure

Assessment has been conducted in public schools of proximate villages for implementation of roof rainwater harvesting structure to conserve water resources and promote environmental responsibility.

13 villages has been identified where roof rain water harvesting structure to be implemented in primary and senior secondary schools. List of viilages and approximate area of primary and secondary school has been given below.

SN	Villages	No of Primary School	Approx Area in Sq mt	No. of Middle/Secondary/Senior Secondary School	Approx Area in Sq mt	Total Area
1	Kadiana Khurd	1	120	0	0	120
2	Kadiana Kalan	1	100	1	450	550
3	Bhukri Khurd	1	100	0	0	100
4	Bhukri Kalan	1	150	0	0	150
5	Mianwal	1	120	0	0	120
6	Jiwanpur	1	130	1	250	380
7	Khasi Kalan	1	130	1	500	630

8	Khasi Khurd	1	100	0	0	100
9	Machian Kalan	1	230	1	600	830
10	Machian Khurd	1	90	0	0	90
11	Mattewara	1	130	1	300	430
12	Bounker	1	120	0	0	120
13	Dhanansu	1	120	1	300	420
				Total Area		4040

Pictures of Activity Conducted



Govt Schools- Primary, secondary and senior secondary has been visited in 13 villages to calculate the area and estimate to implement roof rain water

D. Community Symposium on Agri Farm

Climate resilient agricultural practices are indispensable for ensuring the sustainability, productivity and adaptability of agriculture in the face of climate change. They address the interconnected challenges of the food security, resource conservation and overall wellbeing of farming communities and the planet.

Status

Community symposium on agri farm aims to empower local communities to enhance the sustainability of agriculture and contribute to the overall resilience of the community in the face of climate changes. This to be achieved in collaboration with Punjab Agriculture University (PAU). A visit has been conducted by TSF team to build understanding PAU to understand the various interventions being conducted in field of agriculture and scope of collaboration to conduct community symposium on agri farm in proximate village.

E. Community based Upcycling of Plastic Waste

Community-based upcycling of plastic wastes involves local efforts within a community to creatively repurpose discarded plastic materials into new and useful products. This approach emphasizes community engagement as well as environmental sustainability.

Status

Resource mobilization is under process to have detailed assessment and community mobilization for community-based upcycling of plastic waste.

F. Cleaner Fuels

Biogas technology provides sustainable way to convert organic waste into valuable energy resource while addressing waste management challenges and reducing greenhouse gas emissions. Systema bio is one modular biodigester package that includes biogas appliances and connection with bio digesters that takes organic waste and transform it into renewable biogas and a powerful organic fertilizer.

Status

A visit has been conducted by TSF team to a village in (Jagraon) Ludhiana Punjab where biogas has been installed and is in use to develop understanding and oversee the installation of bio gas system, its operation and maintenance and acceptance in community.

Pictures of Activity Conducted



A visit by TSF team and interaction with beneficiary where biogas has been installed and is in use

Annexure

Population Data of 12 villages

Source: Census 2011										
SN	Villages	Household (HH)	Population	Male	Female	Child	SC	ST	Literate	Illiterate
1	Kadiana Khurd	195	942	509	433	107	0	0	590	352
2	Kadiana Kalan	298	1554	832	722	158	1145	0	954	600
3	Bhukri Khurd	55	323	160	163	24	91	0	235	88
4	Bhukri Kalan	254	1267	672	595	122	625	0	850	417
5	Mianwal	274	1452	765	687	187	66	0	845	607
6	Jiwanpur	171	1032	541	491	130	524	0	657	375
7	Khasi Kalan	486	2422	1278	1144	261	1222	0	1670	752

TATA STEEL

ENVIRONMENTAL POLICY

Tata Steel's environmental responsibilities are driven by our commitment to preserve the environment and are integral to the way we do business.

1. We are committed to deal proactively with Climate Change issue by efficient use of natural resources & energy; reducing and preventing pollution; promoting waste avoidance and recycling measures; and product stewardship.
 - We shall identify, assess and manage our environment impact.
 - We shall regularly monitor, review and report publicly our environmental performance.
 - We shall develop & rehabilitate abandoned sites through afforestation and landscaping and shall protect and preserve the biodiversity in the areas of our operations.
 - We shall enhance awareness, skill and competence of our employees and contractors so as to enable them to demonstrate their involvement, responsibility and accountability for sound environmental performance.
2. We are committed to continual improvement in our environmental performance.
 - We shall set objective-targets, develop, implement and maintain management standards and systems, and go beyond compliance of the relevant industry standards, legal and other requirements.
3. We will truly succeed when we sustain our environmental achievement and are valued by the communities in which we work.

Date : November 1, 2017

A handwritten signature in black ink, appearing to read 'Narendran', with a horizontal line drawn through it.

TV Narendran
CEO & Managing Director

Piped water now in 2/3 rural households: Govt

Jal Jeevan Mission data shows 128.5 million rural households now have a functional water tap connection

Zia Haq

zia.haq@htlive.com

NEW DELHI: India crossed a key milestone this week, according to government data — two of every three rural households in the country now have a piped water connection.

On the dashboard of the Union government's flagship drinking water programme, Jal Jeevan Mission, as on Thursday, 128.5 million rural households, or 66.80% of the total number of such households in the country, now have a functional water tap connection. A

baseline survey showed that less than 17% or 32.3 million households had a tap connection in 2019, when the mission was launched.

The scheme aims to connect each of India's 194.2 million rural households with tap water connections by the end of 2024. Under the mission, a family is provided 55 litres of clean water per day per person.

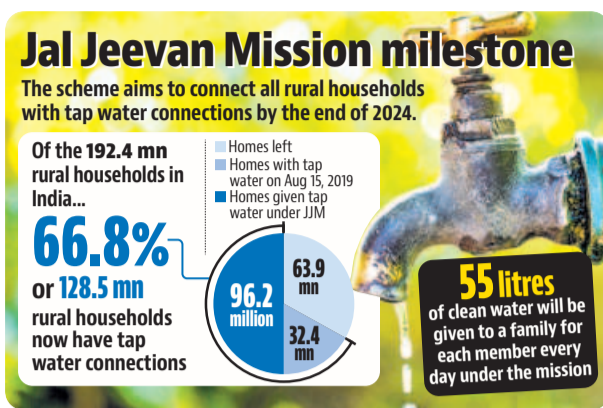
Nearly 820 million people in 12 major river basins of the country face "high to extreme" water stress, according to the NGO, Water Aid. Getting to a water source is a long haul in rural India. According to a National Sample Survey Organisation survey, in Jharkhand, it takes women 40 minutes one way, without taking into account the waiting time. In Bihar, it's 33 minutes. Rural Maharashtra clocks an average of 24, and Uttar Pradesh 38 minutes. The Jal Jeevan Mis-

sion, launched by Prime Minister Narendra Modi in 2019, aims to rid rural India of this drudgery.

The mission's upcoming focus will be on speeding up "laying of water infrastructure in some states which are lagging", aspirational districts, which have lower-than-average socio-economic indicators, and also international collaboration on technology solutions in the water sector, an official said, requesting anonymity.

On July 31, Union minister of state for Jal Shakti, Prahlad Singh Patel, said in a written reply in Rajya Sabha that nearly 55% of Scheduled Tribe rural households in the country had been provided with a tap water connection under the mission till July 26, 2023.

The United Nations Office for Project Services (UNOPS) has entered into a partnership with the Denmark government



to support the Jal Jeevan Mission in Uttar Pradesh, the official cited above said. The state's coverage of rural households under the scheme stands at 57.39% as on date.

The goal of the partnership between the Denmark and UNOPS is to provide "strategic technical support to Jal Jeevan

Mission", a Jal Shakti ministry note seen by HT states.

UNOPS shall be focusing on instituting scalable delivery models in focused 11 water-scarce districts of Uttar Pradesh in Bundelkhand and Vindhya regions as per the priorities laid down in the operational guidelines of Jal Jeevan Mis-

sion," it says.

Under the mission, 30% weightage is assigned for difficult terrains and 10% weightage is assigned for population residing in SC/ST dominated areas while allocating the funds to prioritize coverage in these areas.

The Jal Jeevan Mission is one of the largest infrastructure-building programmes in the country, which involves installing source-to-household water tap connections. Under the programme, fund-sharing pattern between the Centre and States as well as Union Territories (UTs) is 100% for UTs without a legislature; 90:10 for northeastern states and UTs with a legislature; and 50:50 for all other states.

Experts have cautioned that while connecting households is a critical step, the real challenge is ensuring the long-term availability of water.

POCSO CONVICT RAPES MP GIRL A YEAR AFTER RELEASE FROM JAIL

BHOPAL/SATNA: A 35-year-old man, who had walked out of prison last year having spent 10 years behind bars for raping a four-year-old girl, was arrested for abduction and rape of a five-year-old girl in Satna district of Madhya Pradesh, police officers said on Thursday. Police said the accused Rakesh Verma abducted the minor from outside a temple, where she used to beg along with her grandmother, on Wednesday evening, and later raped her. "The girl was sitting with her grandmother in the temple at 5.30 pm when the accused approached her and said he would give her chocolates. He made her sit in his lap, following which the girl started crying and her grandmother asked him to leave," Satna SP Ashutosh Gupta said. "However, the accused took the girl and fled." HT

INS Vindhyagiri — India's latest warship



President Droupadi Murmu on Thursday launched in Kolkata INS Vindhyagiri, an advanced stealth warships. SAMIR JANA/HT PHOTO

GUIDED MISSILE FRIGATE

The ship, named after the INS Vindhyagiri that served the Indian Navy between 1981-2012, is a 149-m guided missile frigate, with a speed of 28 knots and displacement of 6,670 tonnes. It is capable of neutralising threats in the air, on the surface, as well as sub-surface.

UNDER PROJECT 17 ALPHA

Vindhyagiri is the sixth of seven ships and the third and last stealth frigate that ship maker Garden Reach Shipyards was contracted to build for the Navy under 'Project 17 Alpha' (P17A). 75% of orders for equipment and systems are from indigenous firms.

'TOWARDS ATMANIRBHARTA'

President Droupadi Murmu said "Vindhyagiri is also a step towards achieving the goal of Atmanirbhar Bharat through indigenous ship-building," and of technological advancement made by the country as she launched the ship on the banks of the river Hooghly in Kolkata.

HT Homage



Celebrating The Legacy Of AMBAREESH VEDANTAM MURTY 1972 - 2023

Ambareesh has departed on his next grand adventure, taking with him the laughter, wisdom, and boundless spirit of a life short, but well-lived. In the echoing words of his favourite author, 'No one is actually dead until the ripples they cause in the world die away'. Please come say goodbye.

Prayer Meeting

19 Aug '23 | 3PM-5PM
Community Hall, Ground Floor, Richmond, Cliff Ave,
Hiranandani Gardens, Powai, Mumbai- 400076

Fondly Remembered By

Anupama Vedantam, Madhav Vedantam, Shambhavi Vedantam Murty,
Kashi Ram Sharma, Ashish Shah and Pepperfry Family.

National Institute of Secondary Steel Technology
G T Road, Sirhind Side, Mandi Gobindgarh
Punjab - 147301

NOTIFICATION

Applications are invited for recruitment against following positions on contractual basis for three years. Last date for submission of application - 12.09.2023.

Sl. No.	Post	No. of vacancies	Maximum Remuneration (In Rs.)
01	Asstt. Manager/Manager (Energy)	03	1,50,000.00
02	Technical Assistant	04	30,000.00
03	Technician	01	22,000.00

For details refer our website www.nisst.org
Sr. Dy. Director (P&A)

Pt. B. D. SHARMA UNIVERSITY OF HEALTH SCIENCES, ROHTAK

CORRIGENDUM

In continuation of Advt. No. UHSR/2023/03 (Closing date 03.08.2023), uploaded on University website on dated 05.07.2023, the applications are invited on plain paper to fill up the vacant posts of **Consultants, 02 posts in Renal Transplant Surgery and 02 posts in Nephrology on contract basis**, for a period of 03 years (extendable for further 02 years). The remuneration is fixed at Rs. 3.5 lakhs per month. The last date for submission of application form is hereby further extended upto **31.08.2023 (05.00 PM)**. Rest information shall remain unchanged. For more details of eligibility and application please visit University website www.uhsr.ac.in

RO NO 1241/11/41/2024/20319/19/4
REGISTRAR

CENTRAL MEDICAL SERVICES SOCIETY
(An Autonomous body under Ministry of Health & Family Welfare, Govt. of India)
2nd Floor, Vishwa Yuvak Kendra, Teen Murti Marg, Chanakyapuri, New Delhi-110021,
Phone: 011-21410905/6 Website: www.cmss.gov.in

VACANCY ANNOUNCEMENT

Central Medical Services Society (CMSS), Central Procurement Agency of Ministry of Health and Family Welfare (MoHFW), Government of India invite applications from eligible Indian citizens for the following positions on contract / deputation basis. The details of advertisement, application form, general terms & conditions can be downloaded from CMSS website: www.cmss.gov.in The last date of receipt of applications by post is 03.10.2023

Sr. No	Name of the post	No. of post	Monthly Emoluments (In Rs.)	Age as on last date of application	Mode of Recruitment
01	General Manager (Procurement)-II	01	1,50,000/-	55 Years	On Contract / By deputation
02	General Manager (Quality Assurance)	01	1,50,000/-	55 Years	On Contract / By deputation

Advt. No: CMSS/ANI/015 /dated 18.08.2023
GM (Administration)

MUMBAI RAILWAY VIKAS CORPORATION LTD.

2nd Floor, Churchgate Station Building, Mumbai - 400 020.

E - Tender No. MRVC-1001112023 - STORES. Due Date: 30/08/2023, Time 11:00 Hrs.

Title - Supply of Underground Jelly Filled Quad Cable for Railway Signalling & Telecom Installation - 06 Quad x 0.9 MM Dia. Qty. - 110 Km. Only RDSO supplier to quote on www.ireps.gov.in portal. Corrigendum, if any, will be posted on the website only.

भारत प्रतिभूति सुग्राह्यः नाशिक रोड (भारत प्रतिभूति मुद्रण तथा मुद्रा निर्माण निगम लिमिटेड की इकाई) भारत सरकार के पूर्ण स्वामित्वाधीन
CIN: U22213DL2006GOI144763

मुख्य महाप्रबंधक भाग्य निम्नलिखित निविदा आमंत्रित करते हैं:

1) प्रोक्वोरमेंट ऑफ कॉन्क्रेट फ्रेमवर्क वेस पार्सपोर्ट क्वर मटेरियल डू डेवलपमेंट टेंडर (जेम बिड संख्या 3827867)

विस्तृत जानकारी के लिए कृपया हमारी वेबसाइट <http://ispnasik.spmcil.com> एवं GeM Portal देखें. कोई संशोधन / श्रद्धिपत्रक केवल वेबसाइट/जेम पोर्टल पर ही प्रकाशित की जाएगी.
हस्ता / -
संयुक्त महाप्रबंधक (सामग्री)

HT Media Limited

HT Media Ltd. does not endorse any third party products, merchandise and/or services, nor has HT Media Ltd. taken any steps to confirm the accuracy or reliability of, any of the information contained in any third party advertisements. HT Media Ltd. strongly encourages readers to make whatever investigation they feel necessary or appropriate before proceeding with any transaction with any of these advertisers.

PUNJAB MANDI BOARD
E-AUCTION OF PLOTS
in Mandi Nihal Singh Wala, Lakkar Mandi Naushehra, Ladhuka, Samana, Sahnewal, Ghagga

E-AUCTION SCHEDULE :-

NAME OF MANDI	Total Plot	START DATE & TIME	CLOSING DATE & TIME
Nihal Singh Wala (Moga)	26	21-08-2023 at 12:00 PM	31-08-2023 at 12:00 PM
Lakkar Mandi Naushehra (Hoshiarpur)	25	21-08-2023 at 12:00 PM	31-08-2023 at 12:00 PM
Ladhuka (Fazilka)	23	22-08-2023 at 12:00 PM	01-09-2023 at 12:00 PM
Samana (Patiala)	26	22-08-2023 at 12:00 PM	01-09-2023 at 12:00 PM
Sahnewal (Ludhiana)	38	23-08-2023 at 12:00 PM	04-09-2023 at 12:00 PM
Ghagga (Patiala)	26	23-08-2023 at 12:00 PM	04-09-2023 at 12:00 PM

FOR DETAIL VISIT/ CONTACT

emandikaran-pb.in
imspmbsupport@weexcel.in
pmb.gmest@punjab.gov.in

Tech. Query: 0172 5101674
98779 37725, 83608 99462
General Query: 0172 5101721

Punjab Mandi Bhawan, Sector 65-A, S.A.S. Nagar (Mohali)- 160062

Piped water now in 2/3 rural households: Govt

Jal Jeevan Mission data shows 128.5 million rural households now have a functional water tap connection

Zia Haq

zia.haq@htlive.com

NEW DELHI: India crossed a key milestone this week, according to government data — two of every three rural households in the country now have a piped water connection.

On the dashboard of the Union government's flagship drinking water programme, Jal Jeevan Mission, as on Thursday, 128.5 million rural households, or 66.80% of the total number of such households in the country, now have a functional water tap connection. A

baseline survey showed that less than 17% or 32.3 million households had a tap connection in 2019, when the mission was launched.

The scheme aims to connect each of India's 194.2 million rural households with tap water connections by the end of 2024. Under the mission, a family is provided 55 litres of clean water per day per person.

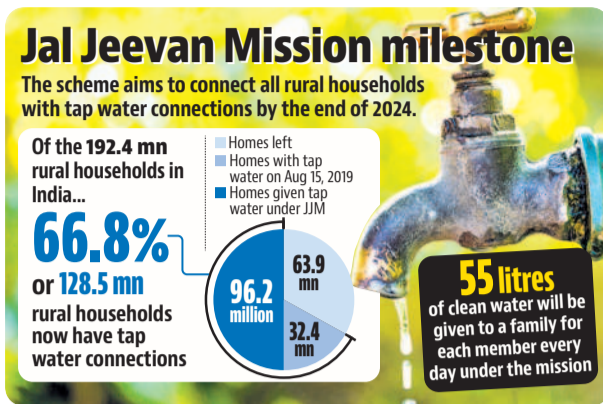
Nearly 820 million people in 12 major river basins of the country face "high to extreme" water stress, according to the NGO, Water Aid. Getting to a water source is a long haul in rural India. According to a National Sample Survey Organisation survey, in Jharkhand, it takes women 40 minutes one way, without taking into account the waiting time. In Bihar, it's 33 minutes. Rural Maharashtra clocks an average of 24, and Uttar Pradesh 38 minutes. The Jal Jeevan Mis-

sion, launched by Prime Minister Narendra Modi in 2019, aims to rid rural India of this drudgery.

The mission's upcoming focus will be on speeding up "laying of water infrastructure in some states which are lagging", aspirational districts, which have lower-than-average socio-economic indicators, and also international collaboration on technology solutions in the water sector, an official said, requesting anonymity.

On July 31, Union minister of state for Jal Shakti, Prahlad Singh Patel, said in a written reply in Rajya Sabha that nearly 55% of Scheduled Tribe rural households in the country had been provided with a tap water connection under the mission till July 26, 2023.

The United Nations Office for Project Services (UNOPS) has entered into a partnership with the Denmark government



to support the Jal Jeevan Mission in Uttar Pradesh, the official cited above said. The state's coverage of rural households under the scheme stands at 57.39% as on date.

The goal of the partnership between the Denmark and UNOPS is to provide "strategic technical support to Jal Jeevan

Mission", a Jal Shakti ministry note seen by HT states.

UNOPS shall be focusing on instituting scalable delivery models in focused 11 water-scarce districts of Uttar Pradesh in Bundelkhand and Vindhya regions as per the priorities laid down in the operational guidelines of Jal Jeevan Mis-

sion," it says.

Under the mission, 30% weightage is assigned for difficult terrains and 10% weightage is assigned for population residing in SC/ST dominated areas while allocating the funds to prioritize coverage in these areas.

The Jal Jeevan Mission is one of the largest infrastructure-building programmes in the country, which involves installing source-to-household water tap connections. Under the programme, fund-sharing pattern between the Centre and States as well as Union Territories (UTs) is 100% for UTs without a legislature; 90:10 for northeastern states and UTs with a legislature; and 50:50 for all other states.

Experts have cautioned that while connecting households is a critical step, the real challenge is ensuring the long-term availability of water.

"The crux of the matter with the Jal Jeevan Mission is the issue of sustainability. While connecting households with a water source is the easier part, past experience has shown that maintaining sustainability of the source is critical for long-term availability of water," said Avadh Kumar, a former water policy consultant with the erstwhile Planning Commission.

The official cited in the first instance said the programme has created direct and indirect employment in rural areas.

"A preliminary survey by IIM Bangalore has assessed that about 1.47,55,980 person-year of employment can be created during the five-year period of implementation of JJM", adding "this works out to be an average of 29,51,196 people employed in each year for the full year in the construction phase of the mission".

POCSO CONVICT RAPES MP GIRL A YEAR AFTER RELEASE FROM JAIL

BHOPAL/SATNA: A 35-year-old man, who had walked out of prison last year having spent 10 years behind bars for raping a four-year-old girl, was arrested for abduction and rape of a five-year-old girl in Satna district of Madhya Pradesh, police officers said on Thursday. Police said the accused Rakesh Verma abducted the minor from outside a temple, where she used to beg along with her grandmother, on Wednesday evening, and later raped her. "The girl was sitting with her grandmother in the temple at 5.30 pm when the accused approached her and said he would give her chocolates. He made her sit in his lap, following which the girl started crying and her grandmother asked him to leave," Satna SP Ashutosh Gupta said. "However, the accused took the girl and fled." HT

INS Vindhyagiri — India's latest warship



President Droupadi Murmu on Thursday launched in Kolkata INS Vindhyagiri, an advanced stealth warships. SAMIR JANA/HT PHOTO

GUIDED MISSILE FRIGATE

The ship, named after the INS Vindhyagiri that served the Indian Navy between 1981-2012, is a 149-m guided missile frigate, with a speed of 28 knots and displacement of 6,670 tonnes. It is capable of neutralising threats in the air, on the surface, as well as sub-surface.

UNDER PROJECT 17 ALPHA

Vindhyagiri is the sixth of seven ships and the third and last stealth frigate that ship maker Garden Reach Shipyards was contracted to build for the Navy under 'Project 17 Alpha' (P17A). 75% of orders for equipment and systems are from indigenous firms.

'TOWARDS ATMANIRBHARTA'

President Droupadi Murmu said "Vindhyagiri is also a step towards achieving the goal of Atmanirbhar Bharat through indigenous ship-building," and of technological advancement made by the country as she launched the ship on the banks of the river Hooghly in Kolkata.

HT Homage



Celebrating The Legacy Of
AMBAREESH VEDANTAM MURTY
1972 - 2023

Ambareesh has departed on his next grand adventure, taking with him the laughter, wisdom, and boundless spirit of a life short, but well-lived. In the echoing words of his favourite author, 'No one is actually dead until the ripples they cause in the world die away'. Please come say goodbye.

Prayer Meeting

19 Aug '23 | 3PM-5PM
Community Hall, Ground Floor, Richmond, Cliff Ave,
Hiranandani Gardens, Powai, Mumbai- 400076

Fondly Remembered By

Anupama Vedantam, Madhav Vedantam, Shambhavi Vedantam Murty,
Kashi Ram Sharma, Ashish Shah and Pepperfry Family.

National Institute of Secondary Steel Technology
G T Road, Sirhind Side, Mandi Gobindgarh
Punjab - 147301

NOTIFICATION

Applications are invited for recruitment against following positions on contractual basis for three years. Last date for submission of application - **12.09.2023.**

Sl. No.	Post	No. of vacancies	Maximum Remuneration (In Rs.)
01	Asstt. Manager/Manager (Energy)	03	1,50,000.00
02	Technical Assistant	04	30,000.00
03	Technician	01	22,000.00

For details refer our website www.nisst.org
Sr. Dy. Director (P&A)

Pt. B. D. SHARMA UNIVERSITY OF HEALTH SCIENCES, ROHTAK

CORRIGENDUM

In continuation of Advt. No. UHSR/2023/03 (Closing date 03.08.2023), uploaded on University website on dated 05.07.2023, the applications are invited on plain paper to fill up the vacant posts of **Consultants, 02 posts in Renal Transplant Surgery and 02 posts in Nephrology on contract basis**, for a period of 03 years (extendable for further 02 years). The remuneration is fixed at Rs. 3.5 lakhs per month. The last date for submission of application form is hereby further extended upto **31.08.2023 (05.00 PM)**. Rest information shall remain unchanged. For more details of eligibility and application please visit University website www.uhsr.ac.in

RO NO 1241/11/41/2024/20319/19/4
REGISTRAR

CENTRAL MEDICAL SERVICES SOCIETY
(An Autonomous body under Ministry of Health & Family Welfare, Govt. of India)
2nd Floor, Vishwa Yuvak Kendra, Teen Murti Marg, Chanakyapuri, New Delhi-110021,
Phone: 011-21410905/6 Website: www.cmss.gov.in

VACANCY ANNOUNCEMENT

Central Medical Services Society (CMSS), Central Procurement Agency of Ministry of Health and Family Welfare (MoHFW), Government of India invite applications from eligible Indian citizens for the following positions on contract / deputation basis. The details of advertisement, application form, general terms & conditions can be downloaded from CMSS website: www.cmss.gov.in The last date of receipt of applications by post is **03.10.2023**

Sr. No	Name of the post	No. of post	Monthly Emoluments (In Rs.)	Age as on last date of application	Mode of Recruitment
01	General Manager (Procurement)-II	01	1,50,000/-	55 Years	On Contract / By deputation
02	General Manager (Quality Assurance)	01	1,50,000/-	55 Years	On Contract / By deputation

Advt. No: CMSS/ANI/015 /dated 18.08.2023
GM (Administration)

MUMBAI RAILWAY VIKAS CORPORATION LTD.

2nd Floor, Churchgate Station Building, Mumbai - 400 020.

E - Tender No. MRVC - 1001112023 - STORES. Due Date: 30/08/2023, Time 11:00 Hrs.

Title - Supply of Underground Jelly Filled Quad Cable for Railway Signalling & Telecom Installation - 06 Quad x 0.9 MM Dia. Qty. - 110 Km. Only RDSO supplier to quote on www.ireps.gov.in portal. Corrigendum, if any, will be posted on the website only.

भारत प्रतिभूति सुग्राह्यः नाशिक रोड
(भारत प्रतिभूति मुद्रण तथा मुद्रा निर्माण निगम लिमिटेड की इकाई)
भारत सरकार के पूर्ण स्वामित्वाधीन
CIN: U22213DL2006GOI144763

मुख्य महाप्रबंधक भाग्य निम्नलिखित निविदा आमंत्रित करते हैं:

1) प्रोक्वोरमेंट ऑफ कॉन्क्रीट फ्रेमवर्क वेस पार्सायट क्वर मटेरियल डू डेवलपमेंट टेंडर (जेम बिड संख्या 3827867)

विस्तृत जानकारी के लिए कृपया हमारी वेबसाइट <http://ispnasik.spmcil.com> एवं GeM Portal देखें. कोई संशोधन / श्रद्धिपत्रक केवल वेबसाइट/जेम पोर्टल पर ही प्रकाशित की जाएगी.
हस्ता / -
संयुक्त महाप्रबंधक (सामग्री)

HT Media Limited

HT Media Ltd. does not endorse any third party products, merchandise and/or services, nor has HT Media Ltd. taken any steps to confirm the accuracy or reliability of, any of the information contained in any third party advertisements. HT Media Ltd. strongly encourages readers to make whatever investigation they feel necessary or appropriate before proceeding with any transaction with any of these advertisers.

PUNJAB MANDI BOARD
E-AUCTION OF PLOTS
in Mandi Nihal Singh Wala, Lakkar Mandi Naushehra, Ladhuka, Samana, Sahnewal, Ghagga

E-AUCTION SCHEDULE :-

NAME OF MANDI	Total Plot	START DATE & TIME	CLOSING DATE & TIME
Nihal Singh Wala (Moga)	26	21-08-2023 at 12:00 PM	31-08-2023 at 12:00 PM
Lakkar Mandi Naushehra (Hoshiarpur)	25	21-08-2023 at 12:00 PM	31-08-2023 at 12:00 PM
Ladhuka (Fazilka)	23	22-08-2023 at 12:00 PM	01-09-2023 at 12:00 PM
Samana (Patiala)	26	22-08-2023 at 12:00 PM	01-09-2023 at 12:00 PM
Sahnewal (Ludhiana)	38	23-08-2023 at 12:00 PM	04-09-2023 at 12:00 PM
Ghagga (Patiala)	26	23-08-2023 at 12:00 PM	04-09-2023 at 12:00 PM

FOR DETAIL VISIT/ CONTACT

emandikaran-pb.in
imspmb-support@weexcel.in
pmb.gmest@punjab.gov.in

Tech. Query: 0172 5101674
98779 37725, 83608 99462
General Query: 0172 5101721

Punjab Mandi Bhawan, Sector 65-A, S.A.S. Nagar (Mohali)- 160062

ਰੋਜ਼ਾਨਾ ਚਾਰ੍ਹਦੇ ਸਨ ਢਾਈ-ਰਿੰਨ ਸੇ ਦੇ ਕਰੀਬ ਚਿਹੰਟਾ ਸਹਾਜ

ਪੰਜਾਬ ਦੇ ਵੱਖ-ਵੱਖ ਹਿੱਸਿਆਂ ਵਿੱਚ ਰੋਜ਼ਾਨਾ ਚਾਰ੍ਹਦੇ ਸਨ ਢਾਈ-ਰਿੰਨ ਸੇ ਦੇ ਕਰੀਬ ਚਿਹੰਟਾ ਸਹਾਜ ਦੀ ਸਹੂਲਤ ਮਿਲ ਰਹੀ ਹੈ। ਇਸ ਸੇਵਾ ਦੁਆਰਾ ਲੋਕਾਂ ਨੂੰ ਆਰਾਮ ਅਤੇ ਸੁਖਾਲਤ ਮਿਲ ਰਹੀ ਹੈ।

ਪੰਜਾਬ ਦੇ ਵੱਖ-ਵੱਖ ਹਿੱਸਿਆਂ ਵਿੱਚ ਰੋਜ਼ਾਨਾ ਚਾਰ੍ਹਦੇ ਸਨ ਢਾਈ-ਰਿੰਨ ਸੇ ਦੇ ਕਰੀਬ ਚਿਹੰਟਾ ਸਹਾਜ ਦੀ ਸਹੂਲਤ ਮਿਲ ਰਹੀ ਹੈ। ਇਸ ਸੇਵਾ ਦੁਆਰਾ ਲੋਕਾਂ ਨੂੰ ਆਰਾਮ ਅਤੇ ਸੁਖਾਲਤ ਮਿਲ ਰਹੀ ਹੈ।



ਚਿਹੰਟਾ ਸਹਾਜ ਦੀ ਸਹੂਲਤ ਮਿਲ ਰਹੀ ਹੈ।

ਐਂਟਿਕ ਅਫ਼ਵਾਜ਼ ਮੇਰੇ ਖੀਬੀ ਨਿਰਮਲ ਕੰਡ ਬਝੁੰਗਰ ਨੂੰ ਡਾਕੂਮੈਂਟਰੀ ਬਰਹਾਮਲੀ ਡੇਟ

ਐਂਟਿਕ ਅਫ਼ਵਾਜ਼ ਮੇਰੇ ਖੀਬੀ ਨਿਰਮਲ ਕੰਡ ਬਝੁੰਗਰ ਨੂੰ ਡਾਕੂਮੈਂਟਰੀ ਬਰਹਾਮਲੀ ਡੇਟ ਦੀ ਸਹੂਲਤ ਮਿਲ ਰਹੀ ਹੈ। ਇਸ ਸੇਵਾ ਦੁਆਰਾ ਲੋਕਾਂ ਨੂੰ ਆਰਾਮ ਅਤੇ ਸੁਖਾਲਤ ਮਿਲ ਰਹੀ ਹੈ।



ਐਂਟਿਕ ਅਫ਼ਵਾਜ਼ ਮੇਰੇ ਖੀਬੀ ਨਿਰਮਲ ਕੰਡ ਬਝੁੰਗਰ ਨੂੰ ਡਾਕੂਮੈਂਟਰੀ ਬਰਹਾਮਲੀ ਡੇਟ

ਸਖ਼ਤ ਸੁਰੱਖਿਆ ਹੇਠ ਹੋਈ ਲਾਰੈਂਸ ਬਿਸ਼ਨੋਈ ਦੀ ਪੇਸ਼ੀ

ਲਾਰੈਂਸ ਬਿਸ਼ਨੋਈ ਦੀ ਪੇਸ਼ੀ ਸਖ਼ਤ ਸੁਰੱਖਿਆ ਹੇਠ ਹੋਈ। ਇਸ ਸੇਵਾ ਦੁਆਰਾ ਲੋਕਾਂ ਨੂੰ ਆਰਾਮ ਅਤੇ ਸੁਖਾਲਤ ਮਿਲ ਰਹੀ ਹੈ।

ਲਾਰੈਂਸ ਬਿਸ਼ਨੋਈ ਦੀ ਪੇਸ਼ੀ ਸਖ਼ਤ ਸੁਰੱਖਿਆ ਹੇਠ ਹੋਈ। ਇਸ ਸੇਵਾ ਦੁਆਰਾ ਲੋਕਾਂ ਨੂੰ ਆਰਾਮ ਅਤੇ ਸੁਖਾਲਤ ਮਿਲ ਰਹੀ ਹੈ।



ਲਾਰੈਂਸ ਬਿਸ਼ਨੋਈ ਦੀ ਪੇਸ਼ੀ ਸਖ਼ਤ ਸੁਰੱਖਿਆ ਹੇਠ ਹੋਈ।

ਐਂਟਿਕ ਅਫ਼ਵਾਜ਼ ਮੇਰੇ ਖੀਬੀ ਨਿਰਮਲ ਕੰਡ ਬਝੁੰਗਰ ਨੂੰ ਡਾਕੂਮੈਂਟਰੀ ਬਰਹਾਮਲੀ ਡੇਟ ਦੀ ਸਹੂਲਤ ਮਿਲ ਰਹੀ ਹੈ। ਇਸ ਸੇਵਾ ਦੁਆਰਾ ਲੋਕਾਂ ਨੂੰ ਆਰਾਮ ਅਤੇ ਸੁਖਾਲਤ ਮਿਲ ਰਹੀ ਹੈ।



ਲਾਰੈਂਸ ਬਿਸ਼ਨੋਈ ਦੀ ਪੇਸ਼ੀ ਸਖ਼ਤ ਸੁਰੱਖਿਆ ਹੇਠ ਹੋਈ। ਇਸ ਸੇਵਾ ਦੁਆਰਾ ਲੋਕਾਂ ਨੂੰ ਆਰਾਮ ਅਤੇ ਸੁਖਾਲਤ ਮਿਲ ਰਹੀ ਹੈ।



ਲਾਰੈਂਸ ਬਿਸ਼ਨੋਈ ਦੀ ਪੇਸ਼ੀ ਸਖ਼ਤ ਸੁਰੱਖਿਆ ਹੇਠ ਹੋਈ। ਇਸ ਸੇਵਾ ਦੁਆਰਾ ਲੋਕਾਂ ਨੂੰ ਆਰਾਮ ਅਤੇ ਸੁਖਾਲਤ ਮਿਲ ਰਹੀ ਹੈ।



ਲਾਰੈਂਸ ਬਿਸ਼ਨੋਈ ਦੀ ਪੇਸ਼ੀ ਸਖ਼ਤ ਸੁਰੱਖਿਆ ਹੇਠ ਹੋਈ। ਇਸ ਸੇਵਾ ਦੁਆਰਾ ਲੋਕਾਂ ਨੂੰ ਆਰਾਮ ਅਤੇ ਸੁਖਾਲਤ ਮਿਲ ਰਹੀ ਹੈ।

Advertisement section containing various notices, notices, and small advertisements.

ਮੁੱਖ ਮੰਤਰੀ ਨੇ ਖਿਡਾਰੀਆਂ ਦੀ ਪਿੱਠ ਥਾਪਤੀ

ਮੁੱਖ ਮੰਤਰੀ ਨੇ ਖਿਡਾਰੀਆਂ ਦੀ ਪਿੱਠ ਥਾਪਤੀ ਦੀ ਸਹੂਲਤ ਮਿਲ ਰਹੀ ਹੈ। ਇਸ ਸੇਵਾ ਦੁਆਰਾ ਲੋਕਾਂ ਨੂੰ ਆਰਾਮ ਅਤੇ ਸੁਖਾਲਤ ਮਿਲ ਰਹੀ ਹੈ।

ਮੁੱਖ ਮੰਤਰੀ ਨੇ ਖਿਡਾਰੀਆਂ ਦੀ ਪਿੱਠ ਥਾਪਤੀ ਦੀ ਸਹੂਲਤ ਮਿਲ ਰਹੀ ਹੈ। ਇਸ ਸੇਵਾ ਦੁਆਰਾ ਲੋਕਾਂ ਨੂੰ ਆਰਾਮ ਅਤੇ ਸੁਖਾਲਤ ਮਿਲ ਰਹੀ ਹੈ।

Advertisement for a service or product, featuring a logo and text.

Tata Steel publishes the Environmental Compliance to showcase our Commitment towards transparency. Environmental

[Home](#) » [Corporate](#) » [Our Organisation](#) » [Environment](#) » [Environment Compliance Reports](#)

CANCEL AUDIO

EXPLORE MORE

Found 1 results.

Environmental Clearance of 0.75 MTPA EAF Rebar Mill, Tata Steel Ludhiana



Ludhiana August 10, 2023



The Member Secretary
Punjab Pollution Control Board,
Vatavaran Bhavan, Nabha Road,
Patiala, Punjab 147 001

E&P/LDH/27/2023
Date: September 06, 2023

Sub: Intimation of "Grant of Environmental Clearance" for Proposed 0.75 Million Tonnes Per Annum (MTPA) of Crude Steel Production Through EAF at Industrial Plot A-1, Village-Kadiana Khurd, (Adjacent to Hi-Tech Cycle Valley), Tehsil - Ludhiana East, District-Ludhiana, Punjab by M/s Tata Steel Limited.

Dear Sir,

With reference to the aforesaid subject, we would like to inform you that Environmental Clearance has been granted vide EC Identification No. EC23B008PB183863, File No. - SEIAA/PB/IND/2023/EC/06 issue on dated 10/08/2023, for establishment of 0.75 MTPA Crude Steel Production through electric arc furnace at Industrial Plot A-1, Adjacent to Hi-Tech Cycle Valley at village-Kadiana Khurd, Tehsil-Ludhiana (East), Distt.- Ludhiana, Punjab by M/s Tata Steel Limited.

We hope above is in line with the statutory requirements.

Thanking you,

For Tata Steel Limited
For Tata Steel Limited
Authorized Signatory

Auth. Signatory

Saroj Kumar Singh
Chief, Ludhiana Project

Enclosure: Environmental Clearance (Identification no.: EC23B008PB183863)

- CC: - 1. The District Commissioner, Ludhiana
2. The Chairman, Zila Parishad, Ludhiana,
3. Commissioner, Municipal Corporation, Ludhiana.
4. Regional Officer, Ludhiana-1, Punjab Pollution Control Board, Ludhiana.
5. The General Manager, DIC, Ludhiana.
6. The Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana.
7. Gram Panchayat – Kadiana Khurd

TATA STEEL LIMITED

C 44-47, Phase 2, Focal Point, Ludhiana, Punjab, 141 010
Registered Office: Bombay House, 24 Homi Mody Street, Fort Mumbai 400 001 India
Tel 91 22 6665 8282 Fax 91 22 6665 7724 Website www.tatasteel.com
Corporate Identity Number L27100MH1907PLC000260





The Member Secretary
Punjab Pollution Control Board,
Vatavaran Bhavan, Nabha Road,
Patiala, Punjab 147 001

E&P/LDH/27/2023
Date: September 06, 2023

Sub: Intimation of "Grant of Environmental Clearance" for Proposed 0.75 Million Tonnes Per Annum (MTPA) of Crude Steel Production Through EAF at Industrial Plot A-1, Village-Kadiana Khurd, (Adjacent to Hi-Tech Cycle Valley), Tehsil - Ludhiana East, District-Ludhiana, Punjab by M/s Tata Steel Limited.

Dear Sir,

With reference to the aforesaid subject, we would like to inform you that Environmental Clearance has been granted vide EC Identification No. EC23B008PB183863, File No. - SEIAA/PB/IND/2023/EC/06 issue on dated 10/08/2023, for establishment of 0.75 MTPA Crude Steel Production through electric arc furnace at Industrial Plot A-1, Adjacent to Hi-Tech Cycle Valley at village-Kadiana Khurd, Tehsil-Ludhiana (East), Distt.- Ludhiana, Punjab by M/s Tata Steel Limited.

We hope above is in line with the statutory requirements.

Thanking you,

For Tata Steel Limited
For Tata Steel Limited
Authorized Signatory

Auth. Signatory

Saroj Kumar Singh
Chief, Ludhiana Project

Enclosure: Environmental Clearance (Identification no.: EC23B008PB183863)

- CC: - 1. The District Commissioner, Ludhiana
2. The Chairman, Zila Parishad, Ludhiana,
3. Commissioner, Municipal Corporation, Ludhiana.
4. Regional Officer, Ludhiana-1, Punjab Pollution Control Board, Ludhiana.
5. The General Manager, DIC, Ludhiana.
6. The Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana.
7. Gram Panchayat - Kadiana Khurd

TATA STEEL LIMITED

C 44-47, Phase 2, Focal Point, Ludhiana, Punjab, 141 010
Registered Office: Bombay House, 24 Homi Mody Street, Fort Mumbai 400 001 India
Tel 91 22 6665 8282 Fax 91 22 6665 7724 Website www.tatasteel.com
Corporate Identity Number L27100MH1907PLC000260





The Member Secretary
Punjab Pollution Control Board,
Vatavaran Bhavan, Nabha Road,
Patiala, Punjab 147 001

E&P/LDH/27/2023
Date: September 06, 2023

Sub: Intimation of "Grant of Environmental Clearance" for Proposed 0.75 Million Tonnes Per Annum (MTPA) of Crude Steel Production Through EAF at Industrial Plot A-1, Village-Kadiana Khurd, (Adjacent to Hi-Tech Cycle Valley), Tehsil - Ludhiana East, District-Ludhiana, Punjab by M/s Tata Steel Limited.

Dear Sir,

With reference to the aforesaid subject, we would like to inform you that Environmental Clearance has been granted vide EC Identification No. EC23B008PB183863, File No. - SEIAA/PB/IND/2023/EC/06 issue on dated 10/08/2023, for establishment of 0.75 MTPA Crude Steel Production through electric arc furnace at Industrial Plot A-1, Adjacent to Hi-Tech Cycle Valley at village-Kadiana Khurd, Tehsil-Ludhiana (East), Distt.- Ludhiana, Punjab by M/s Tata Steel Limited.

We hope above is in line with the statutory requirements.

Thanking you,

For Tata Steel Limited
For Tata Steel Limited
Authorized Signatory

Auth. Signatory

Saroj Kumar Singh
Chief, Ludhiana Project

Enclosure: Environmental Clearance (Identification no.: EC23B008PB183863)

- CC: - 1. The District Commissioner, Ludhiana
2. The Chairman, Zila Parishad, Ludhiana,
3. Commissioner, Municipal Corporation, Ludhiana.
4. Regional Officer, Ludhiana-1, Punjab Pollution Control Board, Ludhiana.
5. The General Manager, DIC, Ludhiana.
6. The Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana.
7. Gram Panchayat – Kadiana Khurd

27/9/2023
5/9/2023
ਜ਼ਿਲ੍ਹਾ ਪ੍ਰਭਾ
ਲੁਧਿਆਣਾ

TATA STEEL LIMITED

C 44-47, Phase 2, Focal Point, Ludhiana, Punjab, 141 010
Registered Office: Bombay House, 24 Homi Mody Street, Fort Mumbai 400 001 India
Tel 91 22 6665 8282 Fax 91 22 6665 7724 Website www.tatasteel.com
Corporate Identity Number L27100MH1907PLC000260



The Member Secretary
Punjab Pollution Control Board,
Vatavaran Bhavan, Nabha Road,
Patiala, Punjab 147 001

E&P/LDH/ 27/2023
Date: September 06, 2023

Sub: Intimation of "Grant of Environmental Clearance" for Proposed 0.75 Million Tonnes Per Annum (MTPA) of Crude Steel Production Through EAF at Industrial Plot A-1, Village-Kadiana Khurd, (Adjacent to Hi-Tech Cycle Valley), Tehsil - Ludhiana East, District-Ludhiana, Punjab by M/s Tata Steel Limited.

Dear Sir,

With reference to the aforesaid subject, we would like to inform you that Environmental Clearance has been granted vide EC Identification No. EC23B008PB183863, File No. - SEIAA/PB/IND/2023/EC/06 issue on dated 10/08/2023, for establishment of 0.75 MTPA Crude Steel Production through electric arc furnace at Industrial Plot A-1, Adjacent to Hi-Tech Cycle Valley at village-Kadiana Khurd, Tehsil-Ludhiana (East), Distt.- Ludhiana, Punjab by M/s Tata Steel Limited.

We hope above is in line with the statutory requirements.

Thanking you,

For Tata Steel Limited
For Tata Steel Limited
Authorized Signatory

Auth. Signatory

Saroj Kumar Singh
Chief, Ludhiana Project

Enclosure: Environmental Clearance (Identification no.: EC23B008PB183863)

- CC: - 1. The District Commissioner, Ludhiana
2. The Chairman, Zila Parishad, Ludhiana,
3. Commissioner, Municipal Corporation, Ludhiana.
4. Regional Officer, Ludhiana-1, Punjab Pollution Control Board, Ludhiana.
5. The General Manager, DIC, Ludhiana.
6. The Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana.
7. Gram Panchayat - Kadiana Khurd

2541/PS/R
06/9/23

TATA STEEL LIMITED

C 44-47, Phase 2, Focal Point, Ludhiana, Punjab, 141 010
Registered Office: Bombay House, 24 Homi Mody Street, Fort Mumbai 400 001 India
Tel 91 22 6665 8282 Fax 91 22 6665 7724 Website www.tatasteel.com
Corporate Identity Number L27100MH1907PLC000260



The Member Secretary
Punjab Pollution Control Board,
Vatavaran Bhavan, Nabha Road,
Patiala, Punjab 147 001

E&P/LDH/27/2023
Date: September 06, 2023

Sub: Intimation of "Grant of Environmental Clearance" for Proposed 0.75 Million Tonnes Per Annum (MTPA) of Crude Steel Production Through EAF at Industrial Plot A-1, Village-Kadiana Khurd, (Adjacent to Hi-Tech Cycle Valley), Tehsil - Ludhiana East, District-Ludhiana, Punjab by M/s Tata Steel Limited.

Dear Sir,

With reference to the aforesaid subject, we would like to inform you that Environmental Clearance has been granted vide EC Identification No. EC23B008PB183863, File No. - SEIAA/PB/IND/2023/EC/06 issue on dated 10/08/2023, for establishment of 0.75 MTPA Crude Steel Production through electric arc furnace at Industrial Plot A-1, Adjacent to Hi-Tech Cycle Valley at village-Kadiana Khurd, Tehsil-Ludhiana (East), Distt.- Ludhiana, Punjab by M/s Tata Steel Limited.

We hope above is in line with the statutory requirements.

Thanking you,

For Tata Steel Limited
For Tata Steel Limited
Authorized Signatory

Auth. Signatory

Saroj Kumar Singh
Chief, Ludhiana Project

Enclosure: Environmental Clearance (Identification no.: EC23B008PB183863)

- CC: -
1. The District Commissioner, Ludhiana
 2. The Chairman, Zila Parishad, Ludhiana,
 3. Commissioner, Municipal Corporation, Ludhiana.
 4. Regional Officer, Ludhiana-1, Punjab Pollution Control Board, Ludhiana.
 - ✓ 5. The General Manager, DIC, Ludhiana.
 6. The Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana.
 7. Gram Panchayat – Kadiana Khurd

TATA STEEL LIMITED

C 44-47, Phase 2, Focal Point, Ludhiana, Punjab, 141 010
Registered Office: Bombay House, 24 Homi Mody Street, Fort Mumbai 400 001 India
Tel 91 22 6665 8282 Fax 91 22 6665 7724 Website www.tatasteel.com
Corporate Identity Number L27100MH1900PLC000260

40
Saroj Kumar Singh
06/09/2023
2023

**THE ISSUES RAISED BY THE PUBLIC DURING THE PUBLIC HEARING AND REPLY
BY THE PROJECT PROPONENT ALONG WITH ACTION PLAN**

Sr. No	Name of Person / Public / Association / Group / Committee	Views / Suggestions / Observations made during public hearing	Reply by Project Proponent	Action plan to address the issues raised along with budget proposed in EMP with timeline
I Reply to oral submissions				
1)	Sukhdev Singh, Sarpanch, Village Kadiana Khurd.	He requested to provide Job for locals, to renovate the Village Pond, upgrade the infrastructure of village school/medical facilities and to connect the sewage water with Tata Steels sewage treatment plant.	The company will give priority to the locals people in employment based on the their skills. Rejuvenation of village pond will be carried out as a part of CER budget. Sewer network of the surrounding villages will be developed in consultation with local authority. Infrastructure facilities will be provided to the schools and community health centres.	Rs. 150 Lakhs has been allocated for solution for Community sewage treatment and waste management developed by TSF and managed by the Gram Panchayat as part of CER budget for next 3 years. Rs. 122 Lakhs has been allocated for development of infrastructure facilities to educational institutes and Rs. 105 Lakhs has been allocated for development of training centre for PwDs on aspiration building, counselling, and employment opportunities in collaboration with the Government (Land for developing infrastructure or existing infrastructure support to be provided by the Govt.) of surrounding villages as a part of CSR activities.
2)	Om, Village Sahnewal	He requested to provide training and development of kabaddi players and football players, international player from Kadiana khurd & football coach for village team.	Identifying and developing serious sporting talents among the rural youth and upgrading sports infrastructure will be carried out as part of CSR activities.	Rs. 282 Lakhs has been allocated for Upgradation of existing sports facilities, Identifying and developing sporting talent among rural youth and setting up running residential sports academy in association with the Government (Infrastructure support to be provided by the Govt.) as part of CSR activities.
3)	Harbans Singh, Village Bhukhri Khurd	He requested to provide Girl's collage, Technical.	In consultation with local administration infrastructure facilities will be provided for educational institutes.	Rs. 122 Lakhs has been allocated for upgrading Schools through Construction of new and Renovation of existing infrastructure, Provision of Smart Classes in schools to promote technology for

Sr. No	Name of Person / Public / Association / Group / Committee	Views / Suggestions / Observations made during public hearing	Reply by Project Proponent	Action plan to address the issues raised along with budget proposed in EMP with timeline
			Skill development and vocational trainings for self-employment-oriented skill training programmes will be organized under women empowerment.	better learning experience and learning outcomes as a part of CSR activities. Rs. 324 Lakhs has been allocated for identification, counselling and sponsoring of youth for different skill development trainings and setting up a multi skill development institute in collaboration with the government (Existing infrastructure to be supported by the Government, renovation and running cost can be undertaken by TSF) as a part of CSR activities.
4)	Parteek Joshi, Village Sahnewal.	He requested to provide Grass root working on village players development.	Identifying and developing serious sporting talents among the rural youth and upgrading sports infrastructure will be carried out as part of CSR activities.	Rs. 282 Lakhs has been allocated for Upgradation of existing sports facilities, Identifying and developing sporting talent among rural youth and setting up residential sports academy in association with the Government (Infrastructure support to be provided by the Govt.) as part of CSR activities.
5)	Aayat Singh, Village Kadiana Khurd.	He requested to provide College or school for better education/medical facility and to provide employment for local community.	Infrastructure facilities will be provided to the schools and community health centres. The company will give priority to the locals people in employment based on the their skills.	Rs. 122 Lakhs has been allocated for development of infrastructure facilities to educational institutes and Rs. 105 Lakhs has been allocated for development of training centre for PwDs on aspiration building, counselling, and employment opportunities in collaboration with the Government (Land for developing infrastructure or existing infrastructure support to be provided by the Govt.) of surrounding villages as a part of CSR activities.
6)	Gurdeep, Village Kadiana Khurd.	He requested to provide skill development for villagers to enable employment near by the	Skill development and vocational trainings for self-employment-oriented skill training programmes will be organized to ensure	Rs. 324 Lakhs has been allocated for identification, counselling and sponsoring of youth for different skill

Sr. No	Name of Person / Public / Association / Group / Committee	Views / Suggestions / Observations made during public hearing	Reply by Project Proponent	Action plan to address the issues raised along with budget proposed in EMP with timeline
		industry and initiate their own business.	a sustainable career path with stable income enchantment for youth through multiple skilling, employment and entrepreneurship opportunities.	development trainings and setting up a multi skill development institute in collaboration with the government (Existing infrastructure to be supported by the Government, renovation and running cost can be undertaken by TSF) as a part of CSR activities.
7)	Sarvjeet Singh, Village Kadiana Kalan	He requested to provide employment to differently abled person by providing training and inclusive employment opportunities for person with disability and to provide sports facility and education facility development.	<p>The company will give priority to the locals people in employment based on the their skills.</p> <p>Special skill development program and financial assistance and will be provided differently abled persons for self-employment.</p> <p>Infrastructure facilities will be provided to the schools and community health centres.</p>	<p>Rs. 324 Lakhs has been allocated for identification, counselling and sponsoring of youth for different skill development trainings and setting up a multi skill development institute in collaboration with the government (Existing infrastructure to be supported by the Government, renovation and running cost can be undertaken by TSF) as a part of CSR activities.</p> <p>Rs. 122 Lakhs has been allocated for development of infrastructure facilities to educational institutes and Rs. 105 Lakhs has been allocated for development of training centre for PwDs on aspiration building, counselling, and employment opportunities in collaboration with the Government (Land for developing infrastructure or existing infrastructure support to be provided by the Govt.) of surrounding villages as a part of CSR activities.</p>

THE ISSUES RAISED DURING THE PUBLIC HEARING AND ACTION PLAN ALONG WITH BUDGET

Sl.No	Particulars	Year 1	Year 2	Year 3	Total
		(Rs. In Lakh)			
1	Improving quality of education in school				
a)	Upgrading Schools through Construction of new and Renovation of existing infrastructure	20.00	30.00	30.00	80.00
b)	Provision of Smart Classes in schools to promote technology for better learning experience and learning outcomes	12.00	20.00	10.00	42.00
	Total (1)	32.00	50.00	40.00	122.00
2	Promoting sporting culture amongst rural youth				
a)	Upgradation of existing sports facilities	25.00	50.00	50.00	125.00
b)	Identifying and developing sporting talent among rural youth	10.00	12.00	15.00	37.00
c)	Setting up and running residential sports academy in association with the Government (Infrastructure support to be provided by the Govt.)	0.00	60.00	60.00	120.00
	Total (2)	35.00	122.00	125.00	282.00
3	Skill Development of youth				
a)	Identification, counselling and sponsoring of youth for different skill development trainings	4.00	10.00	10.00	24.00
b)	Setting up a multi skill development institute in collaboration with the government (Existing infrastructure to be supported by the Government, renovation and running cost can be undertaken by TSF)	0.00	200.00	100.00	300.00
	Total (3)	4.00	210.00	110.00	324.00
4	Developing an ecosystem that fosters self-reliance and a life of dignity for all Persons with Disability (PwDs)				
a)	Identification, certification and saturation of PwD's	1.00	2.00	2.00	5.00
b)	Developing a training centre for PwDs on aspiration building, counselling, and employment opportunities in collaboration with the Government (Land for developing infrastructure or existing infrastructure support to be provided by the Govt.)	0.00	50.00	50.00	100.00
	Total (4)	1.00	52.00	52.00	105.00
	Grand Total (1+2+3+4)	72.00	434.00	327.00	833.00

Note: Intervention may change based on community requirement. The budget proposed is projection that can vary basis need and implementation.



State Environmental Impact Assessment (Punjab)
Room No. 317, Directorate of Environment & Climate Change,
MGSIPA Complex, Sector 26,
Chandigarh 160 019

E&P/LDH/0032/2023
Date: - October 09, 2023

- Ref:**
1. EC File No: SEIAA/PB/IND/2023/EC/06
 2. Minutes of 255th (Item no 255.08) SEIAA meeting held on 20.07.2023
 3. EC Identification No: EC23B008PB183863

Sub: Submission of revised final EIA report Under compliance of EC Additional condition no -IV for establishment of 0.75 Million Tonnes Per Annum (MTPA) of Crude Steel Production Through EAF at Industrial Plot A-1, Village- Kadiana Khurd, (Adjacent to Hi-Tech Cycle Valley), Tehsil - Ludhiana East, District- Ludhiana, Punjab by M/s Tata Steel Limited.

Dear Sir,

With respect to the 255th (item no 255.08) SEIAA meeting held on 20.07.2023, and detailed deliberations held with the expert committee (SEIAA, Punjab), the Environmental Clearance (EC Identification no: EC23B008PB183863 File No. - SEIAA/PB/IND/2023/EC/06 issued on 10/08/2023 for establishment of 0.75 MTPA Crude Steel Production through electric arc furnace at Industrial Plot A-1, adjacent to Hi-Tech Cycle Valley at village-Kadiana Khurd, Tehsil-Ludhiana (East), Distt. - Ludhiana, Punjab to M/s Tata Steel Limited with suggestions to be incorporated in final EIA report and submit the same within 60 days from the date of issues of EC.


We have incorporated all the necessary information and revised the Environmental Impact Assessment (EIA) report based on the suggestions. We are submitting two sets of the Final Revised EIA report under compliance of the additional condition no - IV for your kind perusal and records.

	Condition	Compliance Status
	Additional Condition	
IV	The project proponent will submit the revised EIA report incorporating the aforementioned observations of SEIAA within 60 days of grant of EC	Submitting Revised final EIA report.
VI	The project proponent will submit the detailed plan for implementing AEA activities at a cost of Rs 25.9 crores within 60 days of grant of EC. The details of the activities selected, expenditure to be incurred thereon and timelines of implementation (maximum 5 years) should be clearly specified in the plan	Detailed plan for implementing Additional Environmental Activities (AEA) along with timeline at a cost of Rs 25.9 ^{crores} has been incorporated in ToR specific condition page no 320 to 324 in revised EIA report & Separate Sheet with Timeline submitting herewith attached as Annexure 1


We hope above is the line with the statutory requirements.

Thanking you,

For Tata Steel Limited


Authorized Signatory
Saroj Kumar Singh
Chief, Ludhiana Project

Environmental Engineer
State Environment Impact
Assessment Authority, Punjab
MGSIPA Complex, Sector-26,
Chandigarh

Received by

09-10-2023

TATA STEEL LIMITED

C 44-47, Phase 2, Focal Point, Ludhiana, Punjab, 141 010
Registered Office: Bombay House, 24 Homi Mody Street, Fort Mumbai 400 001 India
Tel 91 22 6665 8282 Fax 91 22 6665 7724 Website www.tatasteel.com
Corporate Identity Number L27100MH1907PLC000260

Additional Environmental Activities (AEA)							
Sl.No	Particulars	Year 1(2023-24)					Total
		Year 2	Year 3	Year 4	Year 5		
(Rs. In Lakhs)							
	Solution for Community sewage treatment and waste mangement in 12 Gram Panchayat in Proximate Villages developed by TSF and managed by the Gram Panchayat	22.00	165.00	187.00	374.00	374.00	1122.00
a)		0.00	33.00	33.00	66.00	66.00	198.00
b)	Solid Waste Mgmt including composting /vermi composting in 12 villages	0.00	66.00	0.00	0.00	0.00	66.00
c)	Creating/Upgrading Community Park or Space	30.80	46.20	57.75	57.75	57.75	250.25
d)	Installation of Solar Solutions to promote green energy	0.00	11.00	11.00	11.00	11.00	44.00
e)	Provision of Roof top Rainwater harvesting in Public Schools or in other Public Buildings in Proximate village	0.00	5.50	5.50	5.50	5.50	22.00
f)	Cleaner Fuels	15.00	4.50	3.00	1.50	0.00	24.00
g)	Plantation	5.50	33.00	27.50	27.50	27.50	121.00
h)	Community Symposium on Agri Farm						
i)	The Green School Project to promote behaviour change for environmental conservation and develop resilience among vulnerable communities through school ecosystems	0.00	27.50	30.80	30.80	30.80	119.90
j)	Community based Upcycling of Plastic Waste	5.50	55.00	27.50	27.50	27.50	143.00
k)	Strom Water Drainage Improvement in Proximate Village	0.00	5.50	220.00	220.00	0.00	445.50
l)	Community & Youth Awareness on Environment through Outbound Activities	0.00	11.00	11.00	8.80	8.80	39.60
		78.80	463.20	614.05	830.35	608.85	2595.25

Note: The budget proposed is projection that can vary basis need and implementation.

Revised CER Plan							
Based on feasibility and community requirement CER plan has been revised without compromising the Budget							
Corporate Environment Responsibility(CER) Activities with Budgetary Allocation & Timeline							
Sl.No	Particulars	Year	Year 2	Year 3	Year 4	Year 5	Total
		1(2023-24)					
(Rs. In Lakh)							
1	Solution for Community sewage treatment and waste mangement in 12 Gram Pnachayat in Proximate Villages developed by Tata Steel Foundation and managed by the Green Development	22.00	222.48	155.74	558.01	599.35	1557.58
2	Solid Waste Mgmt including composting /vermi composting in 12 villages	0.00	33.00	33.00	66.00	66.00	198.00
3	Creating/Updgrading Community Park or Space	0.00	66.00	0.00	0.00	0.00	66.00
4	Installation of Solar Solutions to promote green energy	30.80	73.92	73.92	30.80	30.80	240.24
5	Provision of Roof top Rainwater harvesting in Public Schools or in other Public Buildings in Proximate village	0.00	11.00	11.00	11.00	11.00	44.00
6	Cleaner Fuels	0.00	5.50	5.50	5.50	5.50	22.00
7	Plantation	15.00	4.50	3.00	1.50	0.00	24.00
8	Community Symposium on Agri Farm	5.50	33.00	27.50	27.50	27.50	121.00
9	The Green School Project to promote behaviour change for environmental conservation and develop resilience among vulnerable communities through school ecosystems	0.00	33.00	38.50	38.50	33.00	143.00
10	Community based Upcycling of Plastic Waste	5.50	55.00	27.50	27.50	27.50	143.00
12	Community & Youth Awareness on Environment through Outbound Activities	0.00	11.00	11.00	8.80	8.80	39.60
	Total	78.80	548.40	386.66	775.11	809.45	2598.42

Note: The budget proposed is projection that can vary basis need and implementation.

Estimate of Sewage Treatment Plant to be executed in Proximate villages

Cost of STP for 1000 population in INR(Refer Table 1.1 for cost estimation)				9794878	
SN	Villages	HH(as per Census 2011)	Population(As per census 2011)	Villagewise Cost of STP depending on population	Year Wise Implementation Plan
1	Kadiana Khurd	195	942	9226775	Yr 1 + Yr 2
2	Kadiana Kalan	298	1554	15221241	Yr 2
3	Bhukri Khurd	55	323	3163746	Yr 3
4	Bhukri Kalan	254	1267	12410111	Yr 3
5	Khasi Khurd	123	626	6131594	Yr 4
6	Khasi Kalan	486	2422	23723195	Yr 4
7	Bouker	275	1617	15838318	Yr 4
8	Jiwanpur	171	1032	10108314	Yr 4
9	Machian Kalan	501	2738	26818377	Yr 5
10	Machian Khurd	103	494	4838670	Yr 5
11	Mattewara	282	1435	14055650	Yr 5
12	Mianwal	274	1452	14222163	Yr 5
				155758156	
			Amount In Crores	15.58	

Note: This is a tentative cost. The actual cost may vary. Depending on cost variation the number of villages may increase or decrease.

Table 1.1: DETAILS OF ESTIMATE FOR CONSTRUCTION OF STP (Considering Seechewal Model)

SL NO	DESCRIPTION	NO	NET QUANTITY	UNIT	RATE	AMOUNT
1	Dressing	1	2000	SQM	35	70000
2	Excavation			CUM	200	
	chamber	1	35.937			
	well	3	338.5265			
	pond	1	18000			
			18374.46		200	3674892.7
3	PCC					
	chamber	1	0.11385	CUM		
	well	3	0.268117			
	pond	1	2.01825			
	shorter face lining	2	71.25			
	longer face lining	2	75			
			148.6502		5500	817576.1921
4	reinforcement	1	3.31	MT	120000	397200
5	brick work					
	chamber	1	1.32825	CUM		
	well	3	12.51212			
	pond	0	0			
			13.84037		6500	89962.3725
6	Paving block (48 no. per sqm)		48000	no.	30	1440000
7	sand filling		100	SQM	1300	130000
7	ms grill (50 kg per	1	3.5	MT		
	grating kg 50 per	3	4.2	MT		
			7.7		105000	808500
7	RCC (M-20)					
	Chamber cover	1	1.089	CUM	6500	13000
8	300mm PVC PIPE		200	rm	300	60000
9	300mm PVC PIPE		150	rm	300	45000
10	Mis & Other Cost					754613
						8300744
					GST 18%	1494133.99
					Total	9794878

Estimate of Solar Solution to Promote Green Energy				
Budget Estimate for 100KW of Solar Power System				
SL NO	DESCRIPTION	UOM	Qty	Amount(Rs)
1	SOLAR MODULE (MONO PERC HULFCUT) 1. 550watt MONO PERC HALF-CUT SOLAR MODULE 150pcs.	Nos	182	3200000
2	SOLAR INVERTER OFF-GRID 125KVA 2. 125KVA 480V SOLAR HYBRID-GRID MPPT INVERTER	Nos	1	1500000
3	SOLAR BATTERY VRLA 3. 2V 1200AH 240P SOLAR VRLA BATTERY.	Nos	240	5500000
4	OTHER BALANCE ITEM 1. ACDB 2. DCDB 3. DC CABLE AS PER REQUIRE 4. MC4 CONNECTOR. 5.EARTHING PIPE 1P, EARTHING MATERIAL 3P. 6. Y CONNECTOR. 7. LIGHTING ARRESTER 1p. 8.ALUMINIUM TIN SHADE STRUCTURE 9.WIRE 10.INSTALLATION KIT 11.BATTERY RACK 12.INSTALLATION	Nos	1	1800000
	Total			12000000
	GST @18%			1440000
	Total			13440000

Solar Power System of 150KW is proposed to be installed in Navodaya Vidyalaya in Dhanansu.	20160000
Solar Power System in Govt School and on Streets to promote Green Energy(Cost of 01 street light is approx 36000)	3864000
Total Estimated Cost	24024000

Estimate of Roof Rain Water Harvesting System

SN	Description	Amount(INR)
1	Cost of Roof Rainwater Harvesting for 100 sq mtr area(Cost Estimation given in Table 1.1)	111102
2	Cost of roof rainwater harvesting for approx 4000 sq mtr area(Details given in Table 1.2)	4444097

Table 1.1 : Cost Estimation of Roof RWH of 100 Sq mtr

SL NO.	DESCRIPTION	NO	NET QUANTITY	UNIT	RATE	AMOUNT(INR)
1	Excavation for tank	1	17.5	CUM.	220	3850
2	Foundation for PCC	1	0.27	CUM.	5500	1485
3	brick work	1	6	CUM.	7000	42000
4	plaster inside	1	39.25	SQM	200	7850
4	filling of broken brick filter media	1	2.7		120	324
5	cover slab in RCC (1:1.5:2)	1	0.45	CUM.	7000	14000
	deduction manhole	2	-0.054	CUM.		
			0.396			
6	Rain water pipe	1	55	RM	200	11000
						80509
				Other/Mis Cost		16102
				GST 18%		14492
				TOTAL COST		111102

Location of Schools in Proximate Village

SN	Villages	No of Primary School	Approx Area in Sq mt	No. of Middle/Secondary/Senior Secondary School	Approx Area in Sq mt	Total Area
1	Kadiana Khurd	1	120	0	0	120
2	Kadiana Kalan	1	100	1	450	550
3	Bhukri Khurd	1	100	0	0	100
4	Bhukri Kalan	1	150	0	0	150
5	Mianwal	1	120	0	0	120
6	Jiwanpur	1	130	1	250	380
7	Khasi Kalan	1	130	1	500	630
8	Khasi Khurd	1	100	0	0	100
9	Machian Kalan	1	230	1	600	830
10	Machian Khurd	1	90	0	0	90
11	Mattewara	1	130	1	300	430
12	Bunker	1	120	0	0	120
13	Dhanansu	1	120	1	300	420
				Total Area		4040

Estimate of Solid Waste Management**Waste Mgmt for 200 HH**

Items	Amount
Creation of Compost Pit with shades	550000
Dustbin	70000
Training Cost	200000
Behaviour Change and Communication	200000
Other Mis Cost	300000
	1320000

The cost will vary from 11 to 15 lakh depending on size of village population and Household.

Approx Cost Estimate of Solid Waste Mgmt in 10-12 village covering 3000 HH	19800000
---	----------

Note: This is a tentative cost. The actual cost may vary. Depending on cost variation the number of villages may increase or decrease.