

M/s Maithan Steel & Power Ltd. has its 2x100 TPD coal based DRI Kilns located At/PO- Bonra, PS- Neturia in Purulia district of WB with latitude: **23° 37' 53.85" N** and longitude **86° 50' 08.10" E** with **117m** AMSL. The unit is running on CTE, Memo No-787/2N-2383/2001 and CTO letter No-C 081367, bearing memo No-1348-WPBA/Red (PrI)/ Cont (82)/02 dated 27.8.2015 and consent has been extended up to 30.11.2017. The unit is manufacturing sponge Iron.

The location is well connected by road and Rail. The site is only 2.30 km away from the SH 5 and is about 3.25 km from Madhu Kunda Rly Stn. The nearest town is Asansol, which is about 21.8 km from the proposed site. Nearest Airport is at Burnpur

The company also proposes to install 2x9 MVA Ferroalloy plants to produce one or all of Fe-Mn, Si-Mn, Fe-Si and Pig Iron. If only Fe-Mn is produced from both the SAFs, it will be about 38,000 TPA, only Si-Mn 28,000 TPA, for only Fe-Si it will be 14,000 TPA and for pig Iron only 80,000 TPA. If all the three are proportionately produced total production will be about 40,000 TPA out of which Pig Iron is 20,000; Si-Mn is 7000 Fe-Si is 3500 TPA & Fe-Mn 9500 from both the SAFs.

Fresh water requirement for the expansion project is estimated to be within 1800m³/day. Contaminated used water of plant will be settled, cleaned and reused in the plant and there will be zero waste water discharge to outside project boundary. More over rain water will be harvested and used in process, which will help in reducing fresh water intake from river.

Power requirement for expansion project is estimated to be about 21 MW on full load which is not the case all the time, and captive power generation from expansion project will be 20 MW. So no power will be sourced from outside.

Land

The Company has in its possession 9.33 ha of land on which existing project is running and giving production. The proposed expansion units shall be accommodated and will be suitably integrated with the existing plant units.

Pollution Control Features

Following pollution control measures will be taken up for integrated steel project of M/s Maithan Steel & Power Ltd at Bonra, Neturia

- Installation of ABC for dust removal from DRI kilns flue gas. Excess heat removal from flue gas through West heat boiler
- Dust extraction & dedusting bag house at DRI kiln, Raw material Stock house. This will result in reduction in fugitive dust emission.
- Bag filter for SAFs for dust and iron particle removal from fume.
- Wastewater settling, cooling and treatment for reused/recycled in the process.

- In-built noise control features in machineries & equipments like acoustic enclosure or use of PPE by people working area.
- ID fans and high stack for disposal of gases at height.

Manpower

On expansion all the existing infrastructure and man power of existing plant will be utilized for expansion project also. However there will be additional man power skilled in new installation will be required. Besides there will be increase in contract labor, security and canteen personnel. It is estimated that about 450 will be regular employment plus about indirect staffs.

Project cost

The estimated expansion project is ₹165 crore. This will be as follows. 2.5 % of the total capital cost will be spent under ESC activities.

Project completion schedule

After getting CTE from SPCB, WB and EC from MOEF & CC tenders will be floated for purchase, installation and commissioning of equipment and units and earth work activities will start parallel. It is estimated the completion of project will take 2.5 yrs of time.