

PROCEEDINGS OF THE PUBLIC HEARING FOR THE PROPOSED EXPANSION OF EXISTING STEEL PLANT BY M/S. MARK STEELS LTD. BY INSTALLATION OF SPONGE IRON KILN (1X400 TPD), INDUCTION FURNACES (2X15 T), ROLLING MILL (0.15MTPA) ALONGWITH 19MW CAPACITY CAPTIVE POWER PLANT UTILISING WASTE HEAT AND DOLOCHAR FROM EXISTING AND PROPOSED SPONGE IRON PLANT AT VILL – JAGANNATHDIHI, MOUZA – RAKTA & BALITORA, PO – MURULIA, PS – SANTURI, DIST – PURULIA, WEST BENGAL AT THE OFFICE OF BLOCK DEVELOPMENT OFFICE, SANTURI, DIST – PURULIA, WEST BENGAL ON 07.01.2020 AT 12:00 NOON.

M/s. Mark Steels Ltd. submitted an application to West Bengal Pollution Control Board for conducting a Public Hearing for installation of Sponge Iron Kiln (1x400TPD), Induction Furnaces (2x15T), Rolling Mill (0.15MTPA) along with 19MW capacity Captive Power Plant utilizing waste heat and dolochar from existing and proposed sponge iron plant at Vill – Jagannathdihi, Mouza – Rakta & Balitora, PO – Murulia, PS – Santuri, Dist. – Purulia, West Bengal at the office of Block Development Officer, Santuri, Dist. – Purulia, West Bengal on 07.01.2020 at 12:00 noon.

As per the EIA Notification S.O. 1533 dated 14th September, 2006 of the Ministry of Environment, Forest & Climate Change, Govt. of India. Environment Clearance for the said project is required to be obtained from the Ministry of Environment, Forests & Climate Change, Govt. of India, after conducting the Public Hearing.

Accordingly, the West Bengal Pollution Control Board after observing all formalities, arranged the Public Hearing on 07.01.2020 at 12:00 Noon at the office of the Block Development Officer, Santuri, West Bengal. Mufti Samim Sawkat, Additional District Magistrate (General), Purulia, presided over the hearing. List of the panel members and others present in the public hearing is enclosed.

Swarup Kumar Mandal, Senior Environmental Engineer, West Bengal Pollution Control Board initiated the hearing process. At the outset, he welcomed the audience present. He then discussed about the hearing process and its objectives. He then gave a description of the proposed expansion project for the knowledge of the local people and its probable environmental impacts. He also elaborated about the need of public hearing for such type of projects as per the Ministry of Environment & Forest and Climate Change (MoEF & CC) Notification S.O. 1533(E) dated 14.09.2006. He further mentioned that the entire public hearing would be recorded and the unedited videography would be sent to the MoEF & CC for their consideration. He requested the Project Proponent to deliver their presentation in local language.

Thereafter, Mufti Samim Sawkat, Additional District Magistrate (General), Purulia, welcomed the audience present. He described in detail about the need and the process of conducting the Public Hearing considering the expansion of the industry and its impact on the environment. He discussed about the proposed expansion project and mentioned that the local people could voice their independent views regarding environmental prospects of the proposed expansion project.

Ashok Banerjee, Environmental Consultant on behalf of project proponent presented the project details and the mitigation measures to be undertaken by the proponent towards abatement of pollution through power point presentation. He also explained the location details of the project, raw materials requirement, basic requirements like land area, water, fuel, etc. for the proposed project, environmental management plan. He mentioned about the baseline status of air, water

and noise quality of the area which are well within the standards. He also explained the socio-economic benefits and Corporate Environment Responsibility (CER).

PROJECT HIGHLIGHTS

Proposed Project	Expansion of existing Steel Plant by installation of Sponge Iron Kiln (1x400TPD), Induction Furnaces (2x15 T), Rolling Mill, (0.15 MTPA) along with 19 MW capacity Captive Power Plant at Village Jagannathdih, Mouza Rakta & Balitora, P.O. Murulia, P.S. Santuri, Dist. – Purulia, West Bengal.
Project Proponent	M/s Mark Steels Ltd.
Project location	Village – Jagannathdih, J.L. No. 10, Mouza – Rakta, J.L. No. 13, Mouza – Balitora, P.O. Murulia, P.S. Santuri, Dist. – Purulia, Pin – 723121, West Bengal. Geographical co-ordinates: Latitude: 23°37'04.72"N to 23°37'16.42"N Longitude: 86°51'38.22"E to 86°51'51.03"E Elevation: 133 m (436 ft) above MSL.
Products	Sponge Iron, TMT Bars, Rods, Flats and Power.
Raw Materials	Iron Ore Lump, Imported Coal, Dolomite, Sponge Iron, Scrap, Pig Iron, Ferro Alloys, Dolochar.
Land	The proposed expansion project will be installed on the available land of total 21.5 acres (8.7 hectares) within the existing plant premises. The land is in possession by the Company.
Project Cost	Rs. 229 Crores
Pollution Control Cost	Total Capital Cost for Environmental Pollution Control Measures Rs. 16 Crores.
Water Consumption	The daily water requirement for the proposed expansion project will be 368 KLD which will be sourced from DVC.
Effluent generation & disposal	The plant will be designed as a zero-discharge plant. The water will be recirculated through cooling and treatment. The entire waste water will be recycled for various purposes inside the plant. Domestic waste water will be treated in septic tank – soak pit system.
Manpower	Manpower, to the tune of 400 persons will be required for the plant operations.
Air Pollution & Control System	Adequate control measures like Electrostatic Precipitator (ESP), bag filters, dust suppression system & Stacks of adequate height at relevant points will be installed.
Solid Waste Management for Proposed project	<ul style="list-style-type: none"> <input type="checkbox"/> Solid wastes that will be generated from IF are slag and dust. The hot slag generated from IF will be transferred to slag yard after cooling. IF slag will be used for road construction and land filling purposes. <input type="checkbox"/> Dolochar from the existing & proposed Sponge Iron Plans will be used in AFBC boiler. <input type="checkbox"/> Solid wastes that will be generated from caster are the scales. The scales will be collected from the drain and transferred to IF for reuse. <input type="checkbox"/> The solid wastes from the rolling mill like end cuts and miss rolls, will be used in induction furnace. <input type="checkbox"/> The fly ash generated from Captive Power Plant will be sold as a raw material for cement plants and brick manufacturing. <input type="checkbox"/> The bottom ash from CPP will be used as land filling.

Power Requirement	The estimated power requirement of the proposed expansion project will be 22 MW. The power requirement will be met from proposed 19 MW captive power plant and from Damodar Valley Corporation (DVC).
Corporate Environment Responsibility (CER)	<p>The company proposes to invest 1.6 crores on the CER activities which is 0.70% of the total project cost (229 Crores), this fund shall be utilized over a period of 3 years. The Company has identified certain areas, to be considered for implementing the CER activities in the context of the local scenario of the area:</p> <p><u>Infrastructure Development</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Drinking Water Infrastructure (Tube wells in nearby villages) <input type="checkbox"/> Maintenance of village roads in the locality <input type="checkbox"/> Development of Community Hall, Bus Shelter etc. <input type="checkbox"/> Local Village Pond upgradation <input type="checkbox"/> Lighting provision at suitable public places <p><u>Education</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Financial Support to the Local School for extension of building / class room <input type="checkbox"/> Scholarship for BPL Category students <input type="checkbox"/> Provision of computers in schools <input type="checkbox"/> Donation of Books to local Schools <p><u>Health</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Organizing Health and Eye check-up camp <input type="checkbox"/> Awareness related to infant care <input type="checkbox"/> Construction of charitable Dispensary
Green Belt Area (33% of land area)	Adequate attention will be paid to planting of trees and their maintenance and protection. Out of the total plant area total 21.5 acres (8.7 hectares), 7.1 acres of land (33% of the total plant area) shall be covered under Green Belt.

OVERALL PROJECT SCENARIO

Name of the Units	Existing Capacity	Proposed Expansion Capacity	Total (Existing + Proposed) Capacity
Sponge Iron Plant	2x100 TPD (72,000 TPA)	1x400 TPD (1,20,000 TPA)	2x100 TPD + 1x400 TPD (1,92,000 TPA)
Induction Furnaces (with matching LRF)	2x7 T (50,400 TPA)	2x15 T (90,000 TPA)	2x7 T + 2x15 T (1,40,400 TPA)
Continuous Casting Machine	-	89,000 TPA	89,000 TPA
Hot Rolling Mill	-	500 TPD (1,50,000 TPA)	500 TPD (1,50,000 TPA)
Captive Power Plants	-	19 MW (12 MW WHRB based & 7 MW AFBC based)	19 MW (12 MW WHRB based & 7 MW AFBC based)

After completion of the technical presentation, Swarup Kumar Mandal, Senior Environmental Engineer, WBPCB requested the audience for their queries, suggestions, views etc. on the proposed project. During the discussion the local people present in the public hearing voiced their opinion and made queries / suggestions with respect to the proposed project, the queries are tabulated below:

Kanchan Chakraborty, Bachandapur, Balitora Gram Panchayet, welcomed the proposed project as it will lead to employment generation. He demanded that the employment should be made through local Gram Panchayat only. He also requested to ensure the operation of APCDs all the time including night time. He further requested for local area development which should include plantation, electrification, water supply and local school development.

Dipen Bauri, Madhukunda, welcomed the expansion project. He hoped that local people would get employment. But he also mentioned that pollution from road and vehicle movement should be in check. He also demanded employment of locally available trained people.

Mufti Samim Sawkat, Additional District Magistrate (General), Purulia, enquired about the CER of the proposed project as well as the existing plant.

The project proponent, Umesh Kumar Jhunjhunwala, Director of Mark Steels Ltd. informed that they have constructed road, installed water sprinklers and come forward for different types of help required by the local people. It was decided that the proponent will do such benevolent activity in association with local administration.

Swarup Kumar Mandal, Senior Environmental Engineer, West Bengal Pollution Control Board informed that record of such activity should be properly maintained.

Sourav Kumar Biswas, IDO, District Industries Centre, Purulia informed that there is some public resentment against the unit regarding pollution created by the existing plant. However, he also submitted that there was no mass petition or official complaint available to him.

Swarup Kumar Mandal, Senior Environmental Engineer, West Bengal Pollution Control Board further advised the project proponent to take care during loading/unloading of materials. He further emphasized the importance of covered vehicle movement, water spraying etc.

Mufti Samim Sawkat, Additional District Magistrate (General) then discussed regarding plantation programme of the unit.

Kalidas Sarkar, Pradhan, Balitora Gram Panchayet insisted that the new installation should be less polluting as far as possible. The presentation that was shown regarding pollution abatement should be strictly followed. He also stressed that local employment should be made through Gram Panchayet.

Mufti Samim Sawkat, Additional District Magistrate (General), informed that the project proponent should also arrange for technical training for eligible local candidates to make them job ready when the project finish commissioning and ensure maximum possible employment from local areas.

P.K. Roy, General Manager, District Industries Centre, Purulia, informed that project proponents generally recruit through agencies which in turn recruits as per their criteria without giving any consideration to local employment.

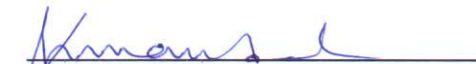
The project proponent Mr. Umesh Kumar Jhunjhunwala, Director of Mark Steels Ltd. however, repeatedly assured that they would give utmost importance to local employment issue.


Kalidas Sarkar, Pradhan, Balitora Gram Panchayet then requested for improvement of road conditions and adequate plantation. He also requested that CER planning should be carried out well in advance. He also insisted that a committee should be formed involving Panchayet, BDO and the Industry for smooth execution of the CER activities.

Ranjan Hait, Block Development Officer, Santuri insisted that carbon emission should be minimized by the industry.

Umesh Kumar Jhunjhunwala, Director of Mark Steels Ltd. mentioned that latest emission control technologies are being adopted for reduction of pollution, Job opportunities will definitely be created as a result of the expansion. He also ensured that local employment through Panchayet will be given priority. He also ensured that technical training will be given to local people at company's cost. All efforts would be made to address the complaints of the local people regarding pollution from the industry.

With due permission from the Mufti Samim Sawkat, Additional District Magistrate (General), Ranjan Hait, Block Development Officer, Santuri finally concluded the session.


Swarup Kumar Mandal
Senior Environmental Engineer
WBPCB


Mufti Samim Sawkat
Additional District Magistrate (General)
Purulia