

**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**

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Website : [www.environmentwb.gov.in](http://www.environmentwb.gov.in)

No. 309 / EN / T-II-1 /106/ 2018

Date : 19 /02 / 2021

To

M/s Supershakti Mettaliks Ltd.

'PREMLATA', 39, Shakespeare Sarani, 3<sup>rd</sup> Floor,  
Kolkata – 700 017.

*SUB. : Environmental Clearance for the proposed project for enhancing production from 90,000 TPA billet (2x12T Induction Furnace) and 1,62,000 TPA wire rods to 1,92,000 TPA wire rods and 60,000 TPA HB wires by adding 1x15T induction furnace to existing facilities by M/s. **Supershakti Metaliks Limited** at C.S Plot no. 3333(P), 3367(P), 3369(P), 3370(P), 3371(P), 3372(P), 3373, 3374(P), 3375, 3376(P), 3377(P) & 3513(P), Khatian No. 1, 1291, 577, 577, 1117, 202, 203, 609, 992, 990, 669 & 1, J.L. No. 85, Mouza – Gopinathpur, Tehsil – Durgapur, Dist. – Paschim Bardhaman, West Bengal.*

Sir,

This has a reference to your application for Environmental Clearance (EC) hardcopy of which was submitted to SEIAA on 20.12.2018 and subsequent communications for the proposed project for enhancing production from 90,000 TPA billet (2x12T Induction Furnace) and 1,62,000 TPA wire rods to 1,92,000 TPA wire rods and 60,000 TPA HB wires by adding 1x15T induction furnace to existing facilities by **M/s. Supershakti Metaliks Limited** at C.S Plot no. 3333(P), 3367(P), 3369(P), 3370(P), 3371(P), 3372(P), 3373, 3374(P), 3375, 3376(P), 3377(P) & 3513(P), Khatian No. 1, 1291, 577, 577, 1117, 202, 203, 609, 992, 990, 669 & 1, J.L. No. 85, Mouza – Gopinathpur, Tehsil – Durgapur, Dist. – Paschim Bardhaman, West Bengal.

The proposal has been examined and processed in accordance with the EIA Notification, 2006. This is a proposal for the proposed project for enhancing production from 90,000 TPA billet (2x12T Induction Furnace) and 1,62,000 TPA wire rods to 1,92,000 TPA wire rods and 60,000 TPA HB wires by adding 1x15T induction furnace to existing facilities.

The configuration of the project is as follows :

Sl No	Facility	Configuration	Capacity	Product
<b>Existing</b>				
1	Induction Furnace	2X12 T	90,000 TPA	Hot metal
2	Producer Gas Plant (To be dismantled completely)		8400 Nm <sup>3</sup> /hr	
3	CCM (matching)	1/6 strand		M.S Billets
4	Rolling Mill		1,62,000 TPA	Wire rod
<b>Expansion</b>				
1	Induction Furnace with CCM	1X15 T	52,800 TPA	Hot metal

Member Secretary, State Level Environmental Impact Assessment Authority

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2	HD wire drawing mill	36 sets	90,000 TPA	Wire rod
3	Bell Annealing Furnace	4 X 10 T	-	Annealed HB Wire
<b>Final After Expansion</b>				
1	Induction Furnace with matching CCM	2 X 12 T 1 X 15 T	1,42,000 TPA	Billet
	Outside Products		1,14,000 TPA	Billet
2	Wire Rod Mill		1,92,000 TPA	Wire rod
3	HD wire drawing Mill		60,000 TPA	HB Wire

Salient features of the proposed project:

Proposed Project	Expansion from 90000 TPA Steel Billets (2X12 T IF) and 162000 TPA Wire Rod to 192000 TPA Wire Rods and 60000 TPA HB Wire by adding 1x15 Tonne Induction Furnace.
Project Proponent	Supershakti Metaliks Limited
Project Location	Kanjilal Avenue, Durgapur, Paschim Burdwan
Raw Materials	Sponge Iron, Pig Iron, Ferro Manganese, Scrap, Billets
Products	Wire Rods and HB Wire
Land	45600 sq meter (4.56 Ha.) no additional land will be required
Water Consumption	230 m <sup>3</sup> / day; Zero discharge to be followed.
Source of fresh water and permission	M/s. Durgapur Projects Limited
Manpower Requirement	80 Persons (including existing)
Emission Control System	Steel melting shop comprising of IF, LF & CCM to be equipped with swivelling hood and connected with bag filters of minimum stack height of 30 m.
Solid Waste Management	<ul style="list-style-type: none"> <li>➤ Slag from Induction Furnaces will be used for Land filling / Road Construction purpose after metal recovery.</li> <li>➤ End cuts, scales, scraps etc. will be reused</li> </ul>
Power Requirement (including solar and DG backup) and permission	The power requirement after expansion will be about 16 MW, which will be drawn from DPL.
Rainwater Harvesting measures	Rain water harvesting ponds (0.40 ha) shall be made.

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Green Belt Area (at least 33% of land area)	1.01 ha. (22% of land area) will be covered under green belt within the plant area. Development of green belt outside the plant area to be done on 2.34 acres for which permission has been received from Asansol Durgapur Development Authority.
No. of trees to be planted	Total 2702 nos.
Project Cost	Rs. 90 Crores

State Level Environment Impact Assessment Authority (SEIAA), examined the proposal and also perused recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and the recommendations of the State Level Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14<sup>th</sup> September, 2006 of Ministry of Environment & Forests, GOI subject to strict compliance of terms and conditions as mentioned below :-

#### A. SPECIFIC CONDITIONS:

- i. The gaseous emissions from various process units should conform to the load / mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.
- ii. Induction furnaces should be provided with fume extraction and dedicated pollution control systems consisting of Swiveling Hood, Spark Arrestor, Bag Filter, ID Fan etc. and minimum stack of height 30m from G.L. as proposed. Secondary fume extraction system with adequate side suction should be provided to prevent fugitive emission during charging. Suction should be adequate to control fugitive emission. Stack emission (PM) from induction furnaces should not exceed 45 mg/Nm<sup>3</sup>. Stack emissions should be monitored at regular intervals and records should be maintained.
- iii. Dust collection from Bag filter should be done through pneumatic control system. Collected dust is to be recycled back to process or sold for landfilling subject to the condition that it does not fall under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- iv. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be complied with.
- v. Regular monitoring of the air quality shall be carried out in and around the plant and records shall be maintained.
- vi. Adequate measures to be adopted for control of fugitive emission. Regular water sprinkling should be done to control the fugitive emission.
- vii. Groundwater should be abstracted as per the permission obtained from the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005. Appropriate flow measuring device to be installed for monitoring volume of abstracted ground water and logbook to be maintained regularly.
- viii. **Sponge iron and Pig iron should be used as major raw material in Induction Furnace (at least 80% of the total input).** Use of galvanized iron scrap as raw material is not permitted.
- ix. Covered storage yard for raw materials to be provided. Loading and unloading operations should not be carried out in open areas.
- x. Rain Water Harvesting as proposed should be done in order to reduce abstraction of ground water. Recharging of ground water is not permitted.
- xi. Cooling water should be recycled.
- xii. Solid wastes are generated in the form of scrap and slag. Scrap should be recycled in the proposed plant as

  
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proposed. Slag may be used for road construction and land filling; however, indiscriminate dumping is not permitted under any circumstances.

- xiii. Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) Leq (daytime) and 70 dB(A) Leq (nighttime) and its subsequent amendments.
- xiv. At least **1500** trees are to be planted and maintained within 1.01 ha of green belt area within project area. Indicative list of species for plantation given in Annexure – 1. Additional plantation to be carried on 2.34 acres of land outside the project area. There should not be any removal/destruction of vegetative cover both at the establishment as well as the operational stage, without the sanction of appropriate authority.
- xv. All internal roads should be concreted / pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper house keeping shall be maintained within the premises. Solar lighting should be used as far as practicable.
- xvi. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xvii. Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- xviii. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.
- xix. Need based activities/CER for local people is part of the EMP. Details of such activities submitted by the Project Proponent is given in Annexure-2.
- xx. Implementation of such programme shall be ensured accordingly in a time bound manner.

#### **B. GENERAL CONDITIONS:**

1. The environmental clearance accorded shall be valid for a period of 7 years for the proposed expansion project.
2. During construction phase, air pollution and solid waste management aspects need to be properly addressed ensuring compliance of the Construction and Demolition Waste Management Rules, 2016.
3. Prior Consent-to-Establish (NOC) for the proposed expansion project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.
4. The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.
5. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
6. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.
7. The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.

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8. No further expansion or modifications in the plant should be carried out without prior approval of the State Environmental Impact Assessment Authority, West Bengal. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.
  9. The West Bengal Pollution Control Board as well as the Regional Office of MoEF&CC, Bhubaneswar who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State Environmental Impact Assessment Authority, West Bengal.
  10. The State Environmental Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.
  11. The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the West Bengal Pollution Control Board and may also be seen at Website of the SEIAA, West Bengal (<http://environmentwb.gov.in>). This should be advertised within seven days from the date of issuance of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.
  12. The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.
  13. The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, Solid Waste Management Rules, 2016, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.
- C. Additional Conditions as per O.M. of MoEF&CC vide F. No. 22-23/2018-IA.III (Pt) dated 31.10.2019 and F. No. 22-23/2018-IA.III dated 30.12.2019.**
- i. The industry shall meet stack emission standard of 45 mg/Nm<sup>3</sup>.
  - ii. Water sprinklers at strategic locations to be installed for controlling fugitive emission from different sources.
  - iii. The industry shall take up additional tree plantation in approx. 7% of the total land area in consultation with WBPCB.
  - iv. STP of adequate capacity for domestic waste water to be installed as proposed.
  - v. Slag to be used for land filling and road construction.
  - vi. Monitoring of compliance of EC conditions shall be submitted with third party audit every year.
  - vii. The minimum amount of need based activities for local people / CER shall be 1.5 times of the normal CER (as per MoEF OM no. F.No.22-65/2017-IA.III dated: 1<sup>st</sup> May, 2018).

  
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The contact details of the proponent and the name of the consultant are given below –

Name of the Contact person with Designation	Shri Kapil Muni Pandey, Asst. General Manager
Address	'PRELATA', 39, Shakespeare Sarani, 3 <sup>rd</sup> Floor, Kolkata - 700017
Email	<a href="mailto:k.m.pandey@supershakti.in">k.m.pandey@supershakti.in</a> ; <a href="mailto:pandeykapilm@gmail.com">pandeykapilm@gmail.com</a>
Telephone Number; Fax Number	Tel: 033-2552941, Mob: 9903971701
Name of the Environmental Consultant	M/s Global Tech Enviro Experts Pvt. Ltd.

  
( Niraj Singhal, IFS )  
Chief Environment Officer &  
Member Secretary, SEIAA

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Date : 19 /02 / 2021

Copy forwarded to :-

1. Secretary, SEAC & M.S. WBPCB.
2. Officer-in-Charge, Regional Office (Eastern Zone), Ministry of Environment & Forests, Government of India, A-3, Chandrashekharpur, Bhubaneswar – 751 023, Orissa.
3. Chief Inspector of Factories, Factories Directorate, New Secretariat Building, 8<sup>th</sup> Floor, 1, Kiran Shankar Roy Road, Kolkata – 700 001.
4. The Divisional Forest Office, Shastri Ave, AranyaPally, Durgapur, West Bengal 713212.
5. Guard file / Record file.

Sd/-  
Chief Environment Officer &  
Member Secretary, SEIAA

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**Annexure –1**

**A. LIST OF TREES FOR PLANTATION WITHIN THE PROJECT AREA**

Sl. No.	BOTANICAL NAME	COMMON NAME	QUANTITY
1.	<i>Ficus religiosa</i>	Aswatha	50
2.	<i>Cassia fistula</i>	Amaltas	200
3.	<i>Azadiracta indica</i>	Neem	150
4.	<i>Acacia nilotica</i>	Babla	50
5.	<i>Mahua longifolia</i>	Mahua	50
6.	<i>Alstonia scholaris</i>	Chatim	150
7.	<i>Tamarindus indica</i>	Tentul	100
8.	<i>Neolamarckia cadamba</i>	Kadam	150
9.	<i>Bauhinia variegata</i>	Kanchan	200
10.	<i>Polyalthia longifolia</i>	Devdaru	400
<b>Total</b>			<b>1500</b>

**Annexure-2**

**Need based activities for local people**

Sl No.	Need Based Activity	Investment in Rs.			Total
		Year-1 (2020-21)	Year-2 (2021-22)	Year-3 (2022-23)	
1	Distribution of compact dustbins to the nearby areas (1000+600+500 pcs in three years)	250000.00	175000.00	125000.00	550000.00
2	Construction of water shed (50ft x 250ft.) at Kantaberia Agriculture land (16 KM from factory) for irrigation water supply.	6000000.00	3500000.00	2400000.00	11900000.00
3	Processed drinking water supply to nearby areas in the summer time (April, May, June, July) by 3 tankers daily. Total 122 days in a year.	549000.00	585000.00	595000.00	1729000.00
4	Community Toilet construction at nearby railway station basti (5 km from our plant)	150000.00	125000.00	50000.00	325000.00
5	Distribution of jute bags in nearby areas.	50000.00	25000.00	25000.00	100000.00
<b>Total investment 2020 to 2023</b>		<b>6999000</b>	<b>4410000</b>	<b>3195000</b>	<b>14604000.00</b>

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