

FORM 1

Regd. Office :

Padma Iron Products Private limited
C/o Dr. Jagabandhu Kundu
Pratapbagan (North), Lane No. : 7
Bankura – 722 101
West Bengal
Tel : + 03242 250057
Email : padmaironproducts@rediffmail.com
padmairon@gmail.com

**Proposed 3 X 9 MVA
Submerged Arc Furnace**

at

Mouza & Village : Maheshpur
P.S. : Salanpur
District : Burdwan
West Bengal

May 2011

Prepared By



Environmental Consulting Specialists

environ India

An ISO 9001 : 2008 Certified Company

Unnayan Commercial Complex
UNS - 75, 1050/1, Survey Park
Kolkata – 700 075
West Bengal, India
Tel : + 91 33 6536 3212
Telefax : + 91 33 2418 8689
E-mail : info@environindia.org
Website : www.environindia.org

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(I) Basic Information

Serial Number	Item	Details
1.	Name of the project/s	3 X 9 MVA Submerged Arc Furnace by Padma Iron Products Private Limited Project Cost : Rs. 60.00 Crores
2.	S. No. in the schedule	3(a)
3.	Proposed capacity/ area/ length/ tonnage to be handled/ command area/ lease area/ number of wells to be drilled	3 X 9 MVA Submerged Arc Furnace
4.	New/ Expansion / Modernization	New
5.	Existing Capacity/ Area etc.	-
6.	Category of Project i.e. 'A' or 'B'	'A'
7.	Does it attract the general condition? If yes, please specify.	The Project does not attract any general condition.
8.	Does it attract the specific condition? If yes, please specify.	The project does not attract any specific condition.
9.	Location	Mouza & Village : Mahespur P.O. & P.S. : Salanpur District : Burdwan West Bengal
	Plot/ Survey/ Khasra No.	-
	Village	Mahespur
	Tehsil	-
	District	Burdwan
10.	State	West Bengal
	Nearest railway station/ airport along with distance in kms.	Salanpur Railway Station : 3 km / Birsamunda Airport : 166 km
11.	Nearest Town, city, District Headquarters along with distance in kms.	Chittaranjan : 8 km
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Dendua Gram Panchayat Mouza : Nakrajoria P.O. : Salanpur Dist. : Burdwan Pin Code : 713357 West Bengal Phone No. 0341-2530227
13.	Name of the applicant	Bikash Sharma
14.	Registered Address	Padma Iron Products Private Limited C/O - Dr. Jagabandhu Kundu Pratap bagan (North) Lane No-7 Bankura-722101

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15.	Address for correspondence :	Padma Iron Products Private Limited C/O - Dr. Jagabandhu Kundu Pratap Bagan (North) Lane No-7 Bankura-722101
	Name	Bikash Sharma
	Designation (Owner/ Partner/ CEO)	Director
	Address	Padma Iron Products Private Limited C/O - Dr. Jagabandhu Kundu Pratap bagan (North) Lane No-7
	Pin Code	Bankura-722101
	E-mail	padmaironproducts@rediffmail.com padmairon@gmail.com
	Telephone No.	+ 91 3242 250057
	Fax No.	-
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a toposheet.	Village-District-State The proposed project site is in Mouza & Village : Mahespur, P.O. & P.S. : Salanpur, District : Burdwan, West Bengal .
17.	Interlinked Projects	No interlinked project is related to this proposal i.e. 3 X 9 MVA Submerged Arc Furnace by Padma Iron Products Private Limited
18.	Whether separate application of interlinked project has been submitted?	Not Applicable
19.	If yes, date of submission	Not Applicable
20.	If no, reason	Not Applicable
21.	Whether the proposal involves approval/ clearance under : if yes, details of the same and their status to be given. (a) The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (c) The C.R.Z Notification, 1991?	No
22.	Whether there is any Government Order/ Policy relevant/ relating to the site?	There is no restriction as per industrial siting (locational) policy for any new project.
23.	Forest land involved (hectares)	No
24.	Whether there is any litigation pending against the project and / or land in which the project is propose to be set up? (a) Name of the Court (b) Case No. (c) Orders/ directions of the Court, if any and its relevance with the proposed project.	No

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(II) Activity

1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

S. No.	Information / Checklist confirmation	Yes / No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	Yes	The proposed 3 X 9 MVA Submerged Arc Furnace will be set up in an area of 9.86 acres at Mouza & Village : Mahespur, P.O. & P.S. : Salanpur, District : Burdwan, West Bengal
1.2	Clearance of existing land, vegetation and buildings?	Yes	The proposed project will be on the acquired vacant land.
1.3	Creation of new land uses?	Yes	9.86 acres of vacant land will be required to set up the proposed project of 3 X 9 MVA Submerged Arc Furnace.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	NA
1.5	Construction works?	Yes	Construction work will commenced after receiving Statutory Clearances. The construction materials will include sand, stone aggregate, bricks, cement and steel.
1.6	Demolition works?	No	NA
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	Temporary housing will be made during construction period.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Various project components will be involved w.r.t. the proposed project.
1.9	Underground works including mining or tunnelling?	No	NA
1.10	Reclamation works?	No	NA
1.11	Dredging?	No	NA
1.12	Offshore structures?	No	NA
1.13	Production and manufacturing processes?	Yes	3 X 9 MVA Submerged Arc Furnace will produce Ferro Manganese, Silico Manganese and Ferro Silicon Manufacturing Process : Please refer Project Report enclosed.

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S. No.	Information / Checklist confirmation	Yes / No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
1.14	Facilities for storage of goods or materials?	Yes	Storage yard for machinery, equipment and materials.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Fines collected at Bag Filter from Submerged Arc Furnace (1,500 TPA) will be recycled in the respective process. Fe Mn Slag (48,000 TPA) will be utilized in Si Mn production. Si Mn Slag (43,500 TPA) will be utilized in road / area / land development.
1.16	Facilities for long term housing of operational workers?	No	NA
1.17	New road, rail or sea traffic during construction or operation?	No	NA
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	NA
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	NA
1.20	New or diverted transmission lines or pipelines?	No	NA
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	NA
1.22	Stream crossings?	No	NA
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	Quantity : 30 KLD Water will be sourced from Borewell / Rain Water Harvesting Pond
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	NA
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	The proposed 3 X 9 MVA Submerged Arc Furnace will be set up in an area of 9.86 acres at Mouza & Village : Mahespur, P.O. & P.S. : Salanpur, District : Burdwan, West Bengal. The plant site is approachable by motorable road and is well connected to NH - 2.

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S. No.	Information / Checklist confirmation	Yes / No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
1.26	Long-term dismantling or decommissioning or restoration works?	No	NA
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	NA
1.28	Influx of people to an area in either temporarily or permanently?	Yes	Manpower (150) will be required for the operation for proposed 3 X 9 MVA Submerged Arc Furnace. The influx of material and money would tend to change the economic status of the community.
1.29	Introduction of alien species?	No	NA
1.30	Loss of native species or genetic diversity?	No	NA
1.31	Any other actions?	No	NA

*Note 'NA' implies 'Not Applicable'

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2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply) :

S. No.	Information / Checklist confirmation	Yes / No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data								
2.1	Land especially undeveloped or agricultural land (ha)	No	NA								
2.2	Water (expected source & competing users) unit: KLD	Yes	30 KLD of water will be required for the proposed project and the same shall be available from Borewell / Rain Water Harvesting Pond								
2.3	Minerals (MT)	Yes	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Raw Materials</th> <th style="text-align: center;">Quantity (TPA)</th> </tr> </thead> <tbody> <tr> <td>Manganese Ore</td> <td style="text-align: center;">1,04,228</td> </tr> <tr> <td>Dolomite</td> <td style="text-align: center;">17,463</td> </tr> <tr> <td>Quartz</td> <td style="text-align: center;">38,610</td> </tr> </tbody> </table>	Raw Materials	Quantity (TPA)	Manganese Ore	1,04,228	Dolomite	17,463	Quartz	38,610
Raw Materials	Quantity (TPA)										
Manganese Ore	1,04,228										
Dolomite	17,463										
Quartz	38,610										
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	Yes	Will be provided during Detailed Engineering. The materials will be sand, stone aggregate, bricks, cement and steel. The materials would be procured from the nearby areas.								
2.5	Forests and timber (source – MT)	No	NA								
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	Consumption : 27.75 MVA Source : Damodar Valley Corporation (DVC)								
2.7	Any other natural resources (use appropriate standard units)	No	NA								

*Note 'NA' implies 'Not Applicable'

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3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health :

S. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	NA
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	NA
3.3	Affect the welfare of people e.g. by changing living conditions?	No	NA
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	NA
3.5	Any other causes	No	NA

*Note 'NA' implies 'Not Applicable'

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4. Production of solid wastes during construction or operation or decommissioning (MT/ month) :

S. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	No	NA
4.2	Municipal waste (domestic and or commercial wastes)	No	NA
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	NA
4.4	Other industrial process wastes	Yes	Fines collected at Bag Filter from Submerged Arc Furnace (1,500 TPA) will be recycled in the respective process. Fe Mn Slag (48,000 TPA) will be utilized in Si Mn production. Si Mn Slag (43,500 TPA) will be utilized in road / area / land development.
4.5	Surplus product	No	-
4.6	Sewage sludge or other sludge from effluent treatment	No	-
4.7	Construction or demolition wastes	Yes	Will be utilized to for land development.
4.8	Redundant machinery or equipment	No	-
4.9	Contaminated soils or other materials	No	-
4.10	Agricultural wastes	No	-
4.11	Other solid wastes	No	-

*Note 'NA' implies 'Not Applicable'

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5. Release of pollutants or any hazardous, toxic or noxious substances to air (kg/ hr) :

S. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Vehicles
5.2	Emissions from production processes	Yes	Submerged Arc Furnace during Melting & Tapping Operation.
5.3	Emissions from materials handling including storage or transport	No	NA
5.4	Emissions from construction activities including plant and equipment	No	NA
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Fugitive Dust Emission
5.6	Emissions from incineration of waste	No	NA
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	NA
5.8	Emissions from any other sources	No	NA

*Note 'NA' implies 'Not Applicable'

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6. Generation of Noise and vibration, and Emissions of Light and Heat :

S. No.	Information / Checklist confirmation	Yes / No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Submerged Arc Furnace, Dumper, Pay Loader.
6.2	From industrial or similar processes	Yes	Submerged Arc Furnace, Dumper, Pay Loader.
6.3	From construction or demolition	Yes	During construction work due to movement of cranes, bulldozers, trucks.
6.4	From blasting or piling	No	During piling job
6.5	From construction or operational traffic	Yes	Vehicle movement
6.6	From lighting or cooling systems	No	NA
6.7	From any other sources	No	NA

*Note 'NA' implies 'Not Applicable'

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7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal water or the sea :

S. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	No	NA
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	The plant is based on zero discharge concepts and the treated waste water will be judiciously utilized in gardening and greenbelt development.
7.3	By deposition of pollutants emitted to air into the land or into water	No	NA
7.4	From any other sources	No	NA
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	NA

*Note 'NA' implies 'Not Applicable'

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8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment :

S. No.	Information / Checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	NA
8.2	From any other causes	No	Compliance to Safety Rules, Occupational Health & Services and Disaster Management Plan
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. Floods, earthquakes, landslides, cloudburst etc)?	Yes	The area falls in Earthquake Zone III.

*Note 'NA' implies 'Not Applicable'

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9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality :

S. No.	Information / Checklist confirmation	Yes / No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
9.1	Lead to development of supporting utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development • extractive industries • supply industries • other 	Yes	Markets, workshops and commercial centres already exist in the adjacent areas. The proposed project will have a positive effect and enhance the growth of the region.
9.2	Lead to after-use of the site, which could have an impact on the environment	No	NA
9.3	Set a precedent for later developments	Yes	It may later enhance the possibility of developing the supporting industrial activities.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	NA

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(III) Environmental Sensitivity

S. No.	Areas	Name/ Identity	Aerial distance (within 15 km) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	-	
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	River Damodar	3.5 km
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	-	
4	Inland, coastal, marine or underground waters	River Damodar	3.5 km
5	State, National boundaries	-	
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	-	
7	Defense installations.	-	
8	Densely populated or built-up area	Chittaranjan	8 km
9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	Maithan Dam Deshbandhu College Nazrul Centenary Polytechnic Kulti College	4.2 km 7 km 6 km 6.5 km
10	Areas containing important, high quality or scarce resources (<i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>)	-	
11	Areas already subjected to pollution or environmental damage. (<i>those where existing legal environmental standards are exceeded</i>)	-	
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (<i>earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions</i>)	-	

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"I hereby given undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance give, if any to the project will be revoked at our risk and cost.

Date : _____

Place : Kolkata

Signature of the applicant
With Name and Full Address
(Project Proponent / Authorised Signatory)

Mr. Bikash Sharma
Director
Padma Iron Products Private Limited
C/O - Dr. Jagabandhu Kundu.
Pratap Bagan (North)
Lane No-7
Bankura-72210

Note :

1. The projects involving clearance under Coastal regulation Zone Notification, 1991 shall submit with the application a C.R.Z. map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z (at the stage of TOR) and the recommendations of the State Coastal Zone Management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the C.R.Z.
2. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon (at the stage of EC)."
3. All correspondence with the Ministry of Environment & Forests including submission of application for TOR / Environmental Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project."