



**JAI BALAJI INDUSTRIES LIMITED**  
**(Unit - I)**

**FORM 1**

**for**

**Proposed expansion of existing Steel Plant by installation of Sponge Iron Plant with 1x350 TPD + 1x500 TPD DRI Kilns, 4x25 T Induction Furnaces, 0.6 MTPA Iron Ore Beneficiation & 0.6 MTPA Palletization Plant & 40 MW capacity Captive Power Plant along with the product mix change of existing 2x7 MVA Submerged Arc furnaces**

**at**

**G-1, Mangalpur Industrial Complex, P.O.-Baktarnagar,  
District – Paschim Burdwan, West Bengal**



**July– 2019**

M/s Jai Balaji Industries Ltd.	Proposed Expansion of existing Steel Plant by installation of Sponge Iron Plant, Induction Furnaces, I/O Beneficiation & Palletization Plant & Captive Power Plant at G-1, Mangalpur Industrial Complex, P.O.-Baktarnagar, P.S. Raniganj, District – Paschim Burdwan, West Bengal	FORM 1
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## FORM-1

### (I) Basic Information:

Sl.No	Item	Details																																			
1	Name of the project/s:	<b>Proposed expansion of existing Steel Plant by installation of Sponge Iron Plant with 1x350 TPD + 1X500 TPD DRI Kilns, 4x25 T Induction Furnaces, 0.6 MTPA Iron Ore Beneficiation &amp; 0.6 MTPA Palletization Plant &amp; 40 MW capacity Captive Power Plant along with the product mix change of existing 2x7 MVA Submerged Arc furnaces.</b>																																			
2	S. No. in the schedule	Item 3(a) & 1(d), Category A of the Schedule of the EIA Notification 2006.																																			
3.	Proposed capacity / area /length / tonnage to be handled / command area / lease area / number of Wells to be drilled.	<p>The company has an operating steel iron plant at Mangalpur Industrial Complex, P.O.- Baktarnagar, Raniganj, District – Paschim Bardhaman of West Bengal. Now, the company has decided for further expansion of its existing plant along with the change of product-mix in its existing Ferro alloy plant, the details of which are presented in the following table:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>S. N.</th> <th>Facilities</th> <th>Existing Capacity (Having NOC)</th> <th>Proposed Capacity</th> <th>Ultimate Capacity</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>DRI Plant</td> <td>* 7X50 TPD or 1,05,000 TPA</td> <td>1X350 TPD + 1X500 TPD or 2,80,500 TPA</td> <td>1X350 TPD + 1X500 TPD or 2,80,500 TPA  (The existing 7X50 TPD shall be phased out after the implementation of the proposed project)</td> </tr> <tr> <td>2.</td> <td>Coal Washery</td> <td>2,16,000 TPA (1x50 TPH)</td> <td style="text-align: center;">-</td> <td>2,16,000 TPA (1x50 TPH)</td> </tr> <tr> <td>3.</td> <td>Iron ore Beneficiation Plant</td> <td style="text-align: center;">-</td> <td>6,00,000 TPA</td> <td>6,00,000 TPA</td> </tr> <tr> <td>4.</td> <td>Iron ore Pellet Plant</td> <td style="text-align: center;">-</td> <td>6,00,000 TPA</td> <td>6,00,000 TPA</td> </tr> <tr> <td>5</td> <td>Steel Melting Shop (Induction Furnace)</td> <td style="text-align: center;">-</td> <td>3,30,000 TPA (4 X 25 MT)</td> <td>3,30,000 TPA (4 X 25 MT)</td> </tr> <tr> <td>6.</td> <td>Ferro – Alloys Plant</td> <td>2 X 7 MVA Ferro-Manganese – 15,576 TPA Silico Manganese – 14,580 TPA</td> <td>Change of Product-Mix (Ferro-Chrome inclusion)  <i>Keeping the plant configuration unchanged</i></td> <td>Either Ferro Manganese - 30,156 TPA (capacity optimized)  Or Ferro Chrome – 24,000 TPA (capacity optimized)</td> </tr> </tbody> </table>	S. N.	Facilities	Existing Capacity (Having NOC)	Proposed Capacity	Ultimate Capacity	1.	DRI Plant	* 7X50 TPD or 1,05,000 TPA	1X350 TPD + 1X500 TPD or 2,80,500 TPA	1X350 TPD + 1X500 TPD or 2,80,500 TPA  (The existing 7X50 TPD shall be phased out after the implementation of the proposed project)	2.	Coal Washery	2,16,000 TPA (1x50 TPH)	-	2,16,000 TPA (1x50 TPH)	3.	Iron ore Beneficiation Plant	-	6,00,000 TPA	6,00,000 TPA	4.	Iron ore Pellet Plant	-	6,00,000 TPA	6,00,000 TPA	5	Steel Melting Shop (Induction Furnace)	-	3,30,000 TPA (4 X 25 MT)	3,30,000 TPA (4 X 25 MT)	6.	Ferro – Alloys Plant	2 X 7 MVA Ferro-Manganese – 15,576 TPA Silico Manganese – 14,580 TPA	Change of Product-Mix (Ferro-Chrome inclusion)  <i>Keeping the plant configuration unchanged</i>	Either Ferro Manganese - 30,156 TPA (capacity optimized)  Or Ferro Chrome – 24,000 TPA (capacity optimized)
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M/s Jai Balaji Industries Ltd.	Proposed Expansion of existing Steel Plant by installation of Sponge Iron Plant, Induction Furnaces, I/O Beneficiation & Palletization Plant & Captive Power Plant at G-1, Mangalpur Industrial Complex, P.O.-Baktarnagar, P.S. Raniganj, District – Paschim Burdwan, West Bengal	FORM 1
--------------------------------	---	--------

			Total 30,156 TPA		<p>or Silico-chrome 15,840 TPA (capacity optimized) Or Ferro-Silicon – 11,220 TPA or Silico Manganese- 29,160 TPA</p> <p><b>Total Ferro-Alloys production will never cross 30,156 TPA.</b></p>
4.	New / Expansion / Modernization	7.	Captive Power Plant  18.3 MW  (8.3 MW WHRB * + 10 MW AFBC )	40 MW  (20 MW WHRB + 20 MW AFBC )	50 MW [20 MW WHRB + 30 MW (10 MW existing + 20 MW proposed) AFBC ]  (The existing 8.3 MW WHRB shall be phased out after the implementation of the proposed project)
		<p>The proposed expansion project will be installed on 34.8 hectares (86 acres) of land within the existing plant premises.</p> <p>Total Capital Cost of the Project: Rs. 392 Crores</p>			
5.	Existing Capacity Area etc.	<p><b>Existing units under Operation:</b></p> <ul style="list-style-type: none"> <li>• 7x50 TPD Kilns for DRI - 1,05,000 TPA.</li> <li>• 2x7 T Submerged Arc Furnace – 30,156 TPA (Ferro-Alloys).</li> <li>• Captive Power Plant – 18.3 MW</li> <li>• Coal Washery – 2,16,000 TPA</li> </ul>			
6.	Category of Project i.e.' A' or 'B'	Category "A" Project			
7.	Does it attract the general condition? If yes, please specify.	No			
8.	Does it attract the specific condition? If 'yes, please specify.	No			
9.	Location	<p>Latitude - 23°36'30.24"N &amp; Longitude - 87°08'54.25"E (Above Mean Sea Level (AMSL): 88 m to 107 m (290 ft to 350 ft)</p>			

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	Plot / Survey / Khasra No.	Plot G1
	Village	Mangalpur
	Tehsil	Raniganj
	District	Paschim Burdwan
	State	West Bengal
10.	Nearest railway station/airport along with Distance in kms.	<ul style="list-style-type: none"> <li>➤ Raniganj Railway station – 3.3 km (approx.) from project site.</li> <li>➤ NSCBI Airport, Kolkata – 170 km (approx.) from the project site.</li> </ul>
11.	Nearest Town, city, District Headquarters Along with distance in kms.	<ul style="list-style-type: none"> <li>➤ Raniganj Town - Within 2 km from project site.</li> <li>➤ Burdwan town (Dist. H.Q) - within 84 km from the project site.</li> </ul>
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal Address with telephone nos. to be given)	Asansol Municipal Corporation, Station Road, Asansol – 713301, Burdwan, West Bengal
13.	Name of the applicant	M/s Jai Balaji Industries Limited
14.	Registered Address	M/s Jai Balaji Industries Limited 5, Bentinck Street, 1 <sup>st</sup> Floor, Kolkata-700 001
15.	Address for correspondence:	M/s Jai Balaji Industries Limited 5, Bentinck Street, 1 <sup>st</sup> Floor, Kolkata-700 001
	Name	Shri Gaurav Jajodia
	Designation (Owner/Partner/CEO)	Director
	Address	5, Bentinck Street, 1 <sup>st</sup> Floor, Kolkata-700 001
	Pin Code	700001
	E-mail	indrajit.ghosh@jaibalajigroup.com
	Telephone No.	Tele: 91-033-2248 9808, 7479002046 (M)
	Fax No.	Fax: 91-033-2243 0021
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet.	Not applicable as it is an existing industry.
17.	Interlinked Projects	No
18.	Whether separate application of interlinked	NA

M/s Jai Balaji Industries Ltd.	Proposed Expansion of existing Steel Plant by installation of Sponge Iron Plant, Induction Furnaces, I/O Beneficiation & Palletization Plant & Captive Power Plant at G-1, Mangalpur Industrial Complex, P.O.-Baktarnagar, P.S. Raniganj, District – Paschim Burdwan, West Bengal	FORM 1
--------------------------------	---	--------

	Project has been submitted?	
19.	If yes, date of submission	NA
20.	If no, reason	NA
21.	<p>Whether the proposal involves approval/clearance under: if yes, Details of the same and their status to be given.</p> <p>(a) The Forest (Conservation) Act, 1980?</p> <p>(b) The Wildlife (Protection) Act, 1972</p> <p>(c) The C.R.Z. Notification, 1991?</p>	<p>No</p> <p>No</p> <p>No</p>
22.	Whether there is any Government Order/ Policy relevant/ relating to the site?	No
23.	Forest land involved (hectares)	No
24.	<p>Whether there is any litigation pending against the project and /or land in which the project is proposed to be set up?</p> <p>(a) Name of the Court</p> <p>(b) Case No.</p> <p>(c) Orders/directions of the Court, if any and its relevance with the proposed project.</p>	No

- *Capacity corresponding to sectoral activity (such as production capacity for manufacturing, mining lease area and production capacity for mineral production, area for mineral exploration, length for linear transport infrastructure, generation capacity for power generation etc.,)*

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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	<p>The proposed expansion project will be installed on 34.8 hectares (86 acres) of land within the existing plant premises. The land is generally flat and does not come under flood zone. Said plot of land will be reformed /developed from its existing land use.</p> <p>This project will be developed following a land use plan, which will be made taking into consideration relevant guidelines /stipulations of the concerned Authorities. Moreover, the planning of the project, development of green belt and other landscape on the proposed site would enhance the aesthetics of the area.</p>
1.2	Clearance of existing land, vegetation and buildings?	Yes	Site clearing and preparation activities will involve removal of scanty vegetation on the proposed plant site.
1.3	Creation of new land uses?	No	-
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	-
1.5	Construction works?	Yes	The civil works for the construction and development of the proposed expansion project include bulk earthworks; construction of factory sheds & utilities; internal roads & parking areas; drainage system; underground & overhead tanks

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--------------------------------	---	--------

			etc.
1.6	Demolition works?	No	-
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	Suitable temporary accommodation for workers will be made within the project site.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Please refer <b>Pre-feasibility Report.</b>
1.9	Underground works including mining or tunneling?	No	-
1.10	Reclamation works?	No	-
1.11	Dredging?	No	-
1.12	Offshore structures?	No	-
1.13	Production and manufacturing processes?	Yes	Please refer <b>Pre-feasibility Report.</b>
1.14	Facilities for storage of goods or materials?	Yes	All construction materials will be handled through site store within the project boundary.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	<p><b>Wastewater:</b> The plant will be designed as a zero discharge plant as far as the process effluents are concerned. The water will be re-circulated through cooling and treatment. The entire wastewater after necessary treatment will be recycled for various purposes inside the plant.</p> <p>Domestic wastewater will be treated in septic tank-soak pit system.</p> <p><b>Solid Waste:</b> Dolochar from Sponge iron plant will be used in AFBC Boiler.</p> <p>Tailing from Iron Ore Beneficiation Plant will be disposed in the abandoned mines.</p> <p>Slag from Induction Furnaces &amp;</p>

M/s Jai Balaji Industries Ltd.	Proposed Expansion of existing Steel Plant by installation of Sponge Iron Plant, Induction Furnaces, I/O Beneficiation & Palletization Plant & Captive Power Plant at G-1, Mangalpur Industrial Complex, P.O.-Baktarnagar, P.S. Raniganj, District – Paschim Burdwan, West Bengal	FORM 1
--------------------------------	---	--------

			<p>Bottom ash from AFBC Boiler will be used for Land filling / Road Construction purpose.</p> <p>Fly ash from AFBC boiler will be used in Cement Plant.</p> <p>End cuts, scales and scraps etc. from CCM will be used in the Induction Furnaces.</p>
1.16	Facilities for long term housing of operational workers?	No	Most of the workers employed shall be from nearby villages.
1.17	New road, rail or sea traffic during construction or operation?	No	The site will be developed with all infrastructure facilities and is well connected to main road way. No new road, rail or sea traffic during construction or operation.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	-
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	-
1.20	New or diverted transmission lines or pipelines?	No	-
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	-
1.22	Stream crossings?	No	-
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	<p>Daily water requirement in the proposed expansion project for industrial purpose will be around 2120 m<sup>3</sup>/day including 100 m<sup>3</sup>/day for drinking, greenery and sanitary purpose.</p> <p>Domestic and Industrial water will be supplied by Asansol Durgapur Development Authority (ADDA).</p>
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	-
1.25	Transport of personnel or materials for	Yes	The plant location has proper road



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--------------------------------	---	--------

	construction, operation or decommissioning?		and rail linkages. These systems will be used for transportation of materials, equipment and personnel during construction operation phases.
1.26	Long-term dismantling or decommissioning or restoration works?	No	-
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	-
1.28	Influx of people to an area in either temporarily or permanently?	Yes	The proposed project shall increase the employment potential and hence may lead to migration to surrounding villages. Manpower, to the tune of 900 persons will be required for the plant operations. Attempt will be made to maximize utilization of local population during the construction activities.
1.29	Introduction of alien species?	No	-
1.30	Loss of native species or genetic diversity?	No	-
1.31	Any other actions?	No	-

**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)	Yes	The proposed expansion project will be installed on 34.8 hectares (86 acres) of land within the existing plant premises. The land is generally flat and does not come under flood zone.
2.2	Water (expected source & competing users) unit: KLD	Yes	2120 KLD water will be required for the project which

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--------------------------------	---	--------

			will be supplied by Asansol Durgapur Development Authority (ADDA) water supply system.
2.3	Minerals (MT)	Yes	Refer Pre-feasibility Report, Chapter-3.0.
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	Yes	The construction materials such as cement, MS, sand, aggregates etc. will be sourced locally.
2.5	Forests and timber (source – MT)	No	-
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	Around 51.5 MW power will be required for the proposed expansion project, which will be sourced from Captive Power Plant & rest from DVC / India Power.
2.7	Any other natural resources (use appropriate standard units)	No	-

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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	-
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	-
3.3	Affect the welfare of people e.g. by changing living conditions?	No	The implementation of the proposed expansion project will increase the employment potential for locals with the improvement in their living conditions.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	-
3.5	Any other causes	No	-

**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	-
4.2	Municipal waste (domestic and or commercial wastes)	Yes	Solid waste of domestic/commercial origin that would be generated in the Plant will be disposed of suitably in consultation with the concerned Civic body.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	-
4.4	Other industrial process wastes	Yes	Dolochar from Sponge iron plant will be used in AFBC Boiler.  Tailing from Iron Ore

M/s Jai Balaji Industries Ltd.	Proposed Expansion of existing Steel Plant by installation of Sponge Iron Plant, Induction Furnaces, I/O Beneficiation & Palletization Plant & Captive Power Plant at G-1, Mangalpur Industrial Complex, P.O.-Baktarnagar, P.S. Raniganj, District – Paschim Burdwan, West Bengal	FORM 1
--------------------------------	---	--------

			<p>Beneficiation Plant will be disposed in the abandoned mines.</p> <p>Slag from Induction Furnaces &amp; Bottom ash from AFBC Boiler will be used for Land filling / Road Construction purpose.</p> <p>Fly ash from AFBC boiler will be used in Cement Plant.</p> <p>End cuts, scales and scraps etc. from CCM will be used in the Induction Furnaces.</p>
4.5	Surplus product	No	-
4.6	Sewage sludge or other sludge from effluent treatment	Yes	Sewage sludge will be disposed off-site in consultation with the concerned local authority.
4.7	Construction or demolition wastes	No	Small quantity of construction waste only would be generated and same will be reused for filling.
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	-

**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	<p>Hot gases to be generated during DRI manufacture would be used for raising steam in waste heat recovery boilers. Such steam will be used as fuel in the proposed captive power plant for power generation.</p> <p>Stacks of adequate height as</p>

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--------------------------------	---	--------

			per relevant norms will be provided.
5.2	Emissions from production processes	Yes	Electrostatic Precipitator (ESP) & Bag filter system will be installed to control the particulate emission from the process.
5.3	Emissions from materials handling including storage or transport	Yes	Bag filter & dust suppression system will be installed in the raw material handling site.
5.4	Emissions from construction activities including plant and equipment	Yes	Water sprinkling arrangement will be provided to reduce dust during construction.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Dust suppression system will be provided. There will be no odour problem from handling of construction materials, sewage and other wastes.
5.6	Emissions from incineration of waste	No	-
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	-
5.8	Emissions from any other sources	No	-

#### 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 with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Mainly Noise and vibration. However, all the machinery will be of highest standard of reputed make and will comply with national / international standards that take care of air and noise pollution control / vibration control.
6.2	From industrial or similar processes	Yes	Noise and vibration

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--------------------------------	---	--------

6.3	From construction or demolition	Yes	Best practices will be followed during all construction and installation activities to maintain noise level within permissible limit.
6.4	From blasting or piling	Yes	Traffic movement will generate sound. However, best practices will be followed to maintain noise level within 75 dB (A).
6.5	From construction or operational traffic	Yes	Best noise abatement measures will adopted to control noise from the cooling systems.
6.6	From lighting or cooling systems	No	-
6.7	From any other sources	No	-

**7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters 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	-
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	No effluent or treated sewage will be let out into any water body or land. Sewage will be treated in septic tank and soak pit.
7.3	By deposition of pollutants emitted to air into the land or into water	Yes	Dust will be generated to some extent due to different project activities. During the construction phase, proper care will be taken to reduce dust emission, wherever possible.
7.4	From any other sources	No	-
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	-

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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	-
8.2	From any other causes	No	-
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, Cloud burst etc)?	Yes	The area falls under Earthquake Zone-III as per Indian Standard Seismic Zoning Map.

**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	<p>Lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.:</p> <ul style="list-style-type: none"> <li>• Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)</li> <li>• housing development</li> <li>• extractive industries</li> <li>• supply industries</li> <li>• other</li> </ul>	No	The project will have insignificant impact on the road network around the project site. The project is not expected to have any impact of concern on the power supply system, housing and wastes management system of the area.
9.2	Lead to after-use of the site, which could have an impact on the environment	No	-

M/s Jai Balaji Industries Ltd.	Proposed Expansion of existing Steel Plant by installation of Sponge Iron Plant, Induction Furnaces, I/O Beneficiation & Palletization Plant & Captive Power Plant at G-1, Mangalpur Industrial Complex, P.O.-Baktarnagar, P.S. Raniganj, District – Paschim Burdwan, West Bengal	FORM 1
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9.3	Set a precedent for later developments	Yes	Best practices will be followed during all construction and installation activities to maintain noise level within permissible limit.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	-

### (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 the ecological, landscape, cultural or other related value	None	-
2	Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Damodar River Ajay River	5.0 km approx.. in south direction. 14.5 km approx.. in north direction.
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	None	-
4	Inland, coastal, marine or underground waters	Damodar River Ajay River	5.0 km approx 14.5 km approx
5	State, National boundaries	None	-
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	None	-
7	Defence installations	None	-
8	Densely populated or built-up area	Raniganj Andal	Within 2.5 km approx. Within 6.0 km approx.
9	Areas occupied by sensitive man-made land	<ul style="list-style-type: none"> <li>▪ Belunia Hospital</li> <li>▪ SKS Public School</li> </ul>	3.70 km approx. 0.50 km approx.



M/s Jai Balaji Industries Ltd.	Proposed Expansion of existing Steel Plant by installation of Sponge Iron Plant, Induction Furnaces, I/O Beneficiation & Palletization Plant & Captive Power Plant at G-1, Mangalpur Industrial Complex, P.O.-Baktarnagar, P.S. Raniganj, District – Paschim Burdwan, West Bengal	FORM 1
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	uses ( <i>hospitals, schools, places of workshop, community facilities</i> )	<ul style="list-style-type: none"> <li>▪ TDB College</li> <li>▪ Dev Public School</li> <li>▪ Gyan Bharati School</li> <li>▪ Searsole Raj High School</li> <li>▪ Anjuman high school</li> <li>▪ Raniganj High School</li> <li>▪ Ballavpur Primary School</li> <li>▪ Baktarnagar High School</li> <li>▪ Andal High School</li> <li>▪ Andal Eastern Railway High School</li> <li>▪ ChittoRanjon Institute</li> <li>▪ Kendriya Vidyalaya Andal</li> </ul>	<p>2.60 km approx. 2.50 km approx. 2.75 km approx 2.65 km approx 2.60 km approx. 3.25 km approx 2.80 km approx 1.20 km approx. 6.60 km approx 6.20 km approx. 7.50 km approx. 7.00 km approx.</p>
<b>10</b>	Areas containing important, high quality or scarce resources ( <i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i> )	<p>Damodar River</p> <p>Ajay River</p>	<p>5.00 km approx.</p> <p>14.5 km approx.</p>
<b>11</b>	Areas already subjected to pollution or environmental damage, ( <i>those where existing legal environmental standards are exceeded</i> )	None	-
<b>12</b>	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> )	None	-

**(IV) Proposed Terms of Reference for EIA studies**

Refer Annexure.

<b>M/s Jai Balaji Industries Ltd.</b>	<b>Proposed Expansion of existing Steel Plant by installation of Sponge Iron Plant, Induction Furnaces, I/O Beneficiation &amp; Palletization Plant &amp; Captive Power Plant at G-1, Mangalpur Industrial Complex, P.O.-Baktarnagar, P.S. Raniganj, District – Paschim Burdwan, West Bengal</b>	<b>FORM 1</b>
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I hereby given undertaking that the data and information given in the application and enclosure 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: 3<sup>rd</sup> July, 2019

Place: Kolkata



Gaurav Jajodia  
**Director**

Address:

**M/s Jai Balaji Industries Limited,**  
5, Bentinck Street, 1<sup>st</sup> Floor,  
Kolkata-700 001

NOTE:

1. The projects involving clearance under coastal Regulation zone Notification, 1991 shall submit with the application a CRZ 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 CRZ.
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 showing by chief wildlife warden showing these features vis-a-vis the project location and the Recommendation 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/Environment Clearances, 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.