

**APPENDIX I**  
**(See paragraph - 6)**  
**FORM 1**

**(I) Basic Information:-**

Sl. No.	Item	Details
1.	Name of the project/s	Mining project of Iron Ore and Manganese Ore. Oraghat Iron & Manganese mines of M/s Sayed Abdul Halim at Village Oraghat, Districts Sundargarh. Production of Iron Ore up to 72864 TPA & Manganese Ore up to 7563 TPA
2.	S. No. in the schedule	1(a)
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number of wells to be drilled.	Area of the project is 25.847 ha. Production of Iron Ore up to 72864 TPA & Manganese Ore up to 7563 TPA
4.	New/Expansion/Modernization	Expansion
5.	Existing Capacity/Area etc.	25.847 ha
6.	Category of project i.e. 'A' or 'B'	B
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	
	Plot/Survey/Khasra No.	<b>Top sheet No - 73 G/5</b> <b>Latitude: 21° 55' 45" N</b> <b>Longitude: 85° 18' 45" E,</b>
	Villages	Oraghat
	Tehsil	Koira
	District	Sundargarh
	State	Odisha
10.	Nearest railway station/airport along with distance in Kms.	Banspani Rly Station:30 Kms Barbil Rly station:40 kms Bhubaneswar Rly Stn: 430 Kms
11.	Nearest Town, city, District Headquarters along with distance in Kms.	Nearest Town - Koira (7 kms); District Head Quarter-Sundargarh (220 kms.)
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	<u>Village Panchayat - Malda</u>
13.	Name of the applicant	Mr. Syed Abdul Halim.
14.	Registered address	At/Po: Barbil, Dist-Keonjhar, Odisha. Pin-758035
15.	Address for correspondence:	PLOT.NO-149, FLAT.NO-C4, 3 <sup>RD</sup> FLOOR, VIP AREA, IRC VILLAGE , NAYAPALLI, BHUBANESWAR, ODISHA-751015.
	Name	Mr. Syed Abdul Halim
	Designation(Owner/Partner/CEO)	Owner
	Address	PLOT.NO-149, FLAT.NO-C4, 3 <sup>RD</sup> FLOOR, VIP AREA, IRC VILLAGE , NAYAPALLI,

		BHUBANESWAR, ODISHA-751015.
	<b>Pin Code</b>	751015
	<b>E-mail</b>	Sayedabdul.halim@gmail.com
	<b>Telephone No.</b>	9437333888.
	<b>Fax No.</b>	0674-3557743.
<b>16.</b>	<b>Details of alternative sites examined, if any. Location of these sites should be shown in a topo sheet.</b>	No
<b>17.</b>	<b>Interlinked Projects</b>	No
<b>18.</b>	<b>Whether separate application of interlinked projects has been submitted?</b>	No
<b>19.</b>	<b>If yes, date of submission</b>	NA
<b>20.</b>	<b>If no, reason</b>	NA
<b>21.</b>	<b>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?</b>	No
<b>22.</b>	<b>Whether there is any Government Order/Policy relevant/relating to the site?</b>	No
<b>23.</b>	<b>Forest land involved (hectares)</b>	No
<b>24.</b>	<b>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/direction of the court, if any and its relevance with the proposed project.</b>	No
<b>25</b>	<b>Expected project cost</b>	10 Crore

**(II) Activity:-**

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

<b>Sl. No</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data.</b>
1.1	<b>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)</b>	Yes	Due to excavation of minerals
1.2	<b>Clearance of existing land, vegetation and buildings?</b>		
1.3	<b>Creation of new land uses?</b>	No	

1.4	<b>Pre-construction investigations e.g. bore houses, soil testing?</b>	No	( Not required as it is an old mine)
1.5	<b>Construction works?</b>	No	(Not required as it is an old mine).
1.6	<b>Demolition works?</b>	No	
1.7	<b>Temporary sites used for construction works or housing of construction workers?</b>	No	( Not required as it is an old mine)
1.8	<b>Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations.</b>	Yes	
1.9	<b>Underground works including mining or tunneling?</b>	No	
1.10	<b>Reclamation works?</b>	Yes	After complete exhaustion of the mineral, the excavated area will be back filled by the mineral waste and good quality soil will be spread over it to carry out afforestation.
1.11	<b>Dredging?</b>	No	
1.12	<b>Offshore structures?</b>	No	
1.13	<b>Production and manufacturing processes?</b>	Yes	Mining will be open cast type, semimechanised with following steps: i) Drilling in hard strata by jack Hammer driven by compressed air & flowed by blasting. ii) Manual excavation, sizing & stock piling.
1.14	<b>Facilities for storage of goods or materials?</b>	Yes	Explosives will be stored in permanenet portable magazines.
1.15	<b>Facilities for treatment or disposal of solid waste or liquid effluents?</b>	Yes	Solid waste will be dumped at a height less than 12m., which will be terraced in no. Of benches. Plantations will be done on dumps. On the outer periphery of the dump a slit trench will be made to prevent rain water from washing off the dump.
1.16	<b>Facilities for long term housing of operational workers?</b>	No	
1.17	<b>New road, rail, or sea traffic during construction or operation?</b>	No	
1.18	<b>New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?</b>	No	
1.19	<b>Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?</b>	No	
1.20	<b>New or diverted transmission lines or pipelines?</b>	No	
1.21	<b>Impoundment, damming, culverting , <i>realignment</i> or other changes to the hydrology of watercourses or</b>	No	

	<b>aquifers?</b>		
1.22	<b>Stream crossings?</b>	No	
1.23	<b>Abstraction or transfers of water from ground or surface waters?</b>	No	
1.24	<b>Changes in water bodies or the land surface affecting drainage or run off?</b>	No	
1.25	<b>Transport of personnel or materials for construction, operation or decommissioning?</b>	No	
1.26	<b>Long term dismantling or decommissioning or restoration works?</b>	NA	
1.27	<b>Ongoing activity during decommissioning which could have an impact on the environment?</b>	NA	
1.28	<b>Influx of people to an area in either temporarily or permanently?</b>	NA	
1.29	<b>Introduction of alien species?</b>	NA	
1.30	<b>Loss of native species or genetic diversity?</b>	NA	
1.31	<b>Any other actions?</b>	Nil	

**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):**

<b>Sl. No</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
2.1	<b>Land especially undeveloped or agricultural land (ha)</b>	No	
2.2	<b>Water (expected source &amp; competing users) unit: KLD</b>	No	No use of water because of using manual mining method.
2.3	<b>Minerals (MT)</b>	Yes	Production approx 72000 MT Per Annum.
2.4	<b>Construction material – stone, aggregates, sand/soil(expected source – MT)</b>	No	
2.5	<b>Forests and Timber (source – MT)</b>	NA	
2.6	<b>Energy including electricity and fuels (sources, competing users) Unit: fuel (MT), energy (MW)</b>	No	No use of electrical power
2.7	<b>Any other natural resources (use appropriate standard units)</b>	No	

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

<b>Sl. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
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	
3.4	Vulnerable group 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)**

<b>Sl. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
4.1	Spoil, overburden or mine wastes	Yes	Over Burden.
4.2	Municipal waste (domestic and or commercial wastes)	No	
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	
4.4	Other industrial process wastes	No	
4.5	Surplus product	No	
4.6	Sewage sludge or other sludge from effluent treatment.	No	
4.7	Construction or demolition wastes	No	
4.8	Redundant machinery or equipment	No	
4.9	Contaminated soils or other materials	No	
4.10	Agricultural wastes	No	
4.11	Other solids wastes	Yes	Over Burden, mineral rejects

### 5. Release of pollutants or any hazardous, toxic or noxious substance to air (Kg/hr)

Sl. 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 fuel from stationary or mobile sources.	No	
5.2	Emissions from production processes.	Yes	
5.3	Emission from materials handling including storage or transport.	No	
5.4	Emission from construction activities including plant and equipment.	No	
5.5	Dust or odors from handling of materials including construction materials, sewage and waste.	Yes	"Dust Extractors" are used as a measure for dust suppression while drilling. As there is no use of heavy machinery, dust generation is negligible.
5.6	Emission from incineration of waste	No	
5.7	Emission from burning of waste in open air (e.g. slash materials, construction debris)	No	
5.8	Emission from any other sources.	No	

### 6. Generation of Noise and Vibration, and Emissions of Light and Heat:

Sl. 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	No	
6.2	From industrial or similar processes	No	
6.3	From construction or demolition	No	
6.4	From blasting or piling	Yes	Holes will be blasted by safety fuse firing system; which being economical also controls the throw and vibration.
6.5	From construction or operational traffic	No	
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:**

<b>Sl.No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
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	
7.3	By deposition of pollutants emitted to air into the land or into water	No	
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	

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

<b>Sl. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
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 disaster causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc.)?	No	

**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.**

<b>Sl. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
9.1	Lead to development of supporting. Facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> <li>. Supporting infrastructure (roads, power supply, waste water treatment, etc.)</li> <li>. housing development</li> <li>. extractive industries</li> <li>. supply industries</li> <li>. other</li> </ul>	No	
9.2	Lead to after-use of the site, which could have an impact on the environment	No	
9.3	Set a precedent for later developments	No	
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	

**(III) Environmental Sensitivity:-**

<b>Sl. No.</b>	<b>Areas</b>	<b>Name/ Identity</b>	<b>Aerial distance (within 15kms.) Proposed project location boundary</b>
1	Areas protected under international conventions, national or local legislation for their ecological, landscape cultural or other related value	NA	
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	
4	Inland, coastal, marine or underground waters	No	



5	<b>State, National boundaries</b>	No	
6	<b>Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas</b>	No	
7	<b>Defense installations</b>	No	
8	<b>Densely populated or built-up area</b>	No	
9	<b>Areas occupied by sensitive man-made land uses(hospitals, schools, places of worship, community facilities)</b>	No	
10	<b>Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)</b>	No	
11	<b>Areas already subjected to pollution or environment damage. (those where existing legal environmental standards are exceeded)</b>	No	
12	<b>Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)</b>	No	

#### **(IV) Proposed Terms of Reference for EIA studies :-**

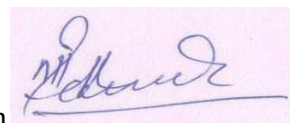
The term of reference addressing all relevant concerns for the preparation of EIA/EMP in respect of the specific project are being highlighted below:

1. Study of project attributes including all the operations and functions that are likely to affect the environment.
2. Baseline Environment Survey which includes monitoring of the following attributes:
  - a. Ambient Air Quality
  - b. Meteorology
  - c. Noise Level
  - d. Water Quality (surface and ground)
  - e. Soil quality
  - f. Remote Sensing Study (satellite data collection) for forest cover.
  - g. Flora and Fauna
  - h. Socio-economic Survey
3. Impact prediction and Impact assessment of taking into account the project proponents and the effect of the environmental setup.
4. Establish methods and measures contemplated for minimizing environmental damage.
5. Risk and Disaster Management Studies.

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 out risk and cost.

Date: 12.06.2023  
Place: BHUBANESWAR

For S A Halim



Signature of the Applicant  
with Name and Full Address

(Project Proponent/Authorized Signatory)