

F. No. J-11011/229/2007-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)

Indira Paryavaran Bhawan  
Jor Bagh Road, Aliganj,  
New Delhi – 110003

E-mail: r.sundar@nic.in  
Tel: 011-24695304

Dated: 7<sup>th</sup> July, 2021

To

Shri. Bijayan Srivastava,  
Manager,  
M/s. Orissa Metaliks Private Limited  
Grastin Place, Orbit 3<sup>rd</sup> Floor,  
Kolkata, West Bengal - 700001  
**Email:** orissametalikspvtltd@gmail.com; Tel. No. 9836532612

**Subject:** Renaming of Environment Clearance accorded units<sup>2</sup>- Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by **M/s Orissa Metaliks Private Limited** at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), **Dist. Paschim Medinipur, West Bengal. – Part transfer of Environment Clearance – regarding.**

Sir,

1. This refers to the online application of M/s. Orissa Metaliks Private Limited made vide proposal no. IA/WB/IND/188930/2020 dated 19/12/2020 along with Form 4 and sought for amendment in the Environmental Clearance accorded by the Ministry vide letter no. J-11011/227/2008-I A.II(I) dated 12/06/2008, 10/12/2008, 06/01/2017, 30/08/2018 and 26/12/2019. Subsequently, project proponent vide email dated 25/03/2021, submitted an undertaking stating that "M/s. OMPL will be complying with prescribed EC conditions in the event of issue of two separate ECs for OMPL and OMPL Unit -I".
2. The proposal cited above was considered during the 27<sup>th</sup> and 28<sup>th</sup> meeting of Reconstituted Expert Appraisal Committee [EAC] (Industry-I) held on 30-31<sup>st</sup> December, 2020 and 18<sup>th</sup> – 20<sup>th</sup> January, 2021. The EAC proceedings of the proposal cited above is given as below.

**Details submitted by the project proponent**

3. Chronology of details of EC granted to the project proponent:

Sl. No.	Description (Environmental Clearance)	Date
1	<b>Environmental Clearance</b> accorded for Steel Plant (5,00,000 TPA MBF & SMS) at village-Gokulpur, P.O.-	Issued by MoEF&CC File No- J-11011 /227/2007-IA-

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units<sup>2</sup>- Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"*

0/0

Sl. No.	Description (Environmental Clearance)	Date				
	Shyamraipur, P.S.-Kharagpur (L), Dist. Paschim Medinipur, West Bengal at Shyamraipur, Gokulpur, Khargapur, District Paschim Medinipur, West Bengal in favour of M/s Rashmi Metaliks Pvt. Ltd.	II (I), dated 12/06/2008.				
2	<b>Change of location</b> of Sponge Iron plant at Mouja-Mathurakismat, at Village Gokulpur, Kharagpur, District Paschim Medinipur, West Bengal.	Issued by MoEF&CC vide File No- J-11011/365/2007-IA- II (I), dated 10/12/2008.				
3	<p><b>Transfer of Environmental Clearance:</b> By virtue of order of Hon'ble Calcutta High Court for demerge, EC got transferred in favour of <b>M/s Orissa Metaliks Private Limited.</b></p> <table border="1"> <tr> <td><b>Units under the company Name Orissa Metaliks Private limited</b></td> </tr> <tr> <td>DRI (10 X100 TPD; 3 X350 TPD) WITH WHRB based CPP</td> </tr> <tr> <td>MINI BLAST FURNACE ( 1 x 320 m<sup>3</sup>)</td> </tr> <tr> <td>FBC BASED CPP</td> </tr> </table>	<b>Units under the company Name Orissa Metaliks Private limited</b>	DRI (10 X100 TPD; 3 X350 TPD) WITH WHRB based CPP	MINI BLAST FURNACE ( 1 x 320 m <sup>3</sup> )	FBC BASED CPP	Issued by MoEF&CC vide F. No.J-11011/227/2007-IA II (I) on dated 06/01/2017.
<b>Units under the company Name Orissa Metaliks Private limited</b>						
DRI (10 X100 TPD; 3 X350 TPD) WITH WHRB based CPP						
MINI BLAST FURNACE ( 1 x 320 m <sup>3</sup> )						
FBC BASED CPP						
4	<b>Environmental Clearance- Change in configuration</b> for Sponge Iron Plant to (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD) at Mouja- Mathurakismat & Amba, Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal under clause 7(ii) of EIA Notification, 2006.	Issued by MoEF&CC vide F. No.J-11011/227/2007-IA II (I) on dated 30/08/2018.				
5	<b>Environmental Clearance- Expansion</b> in Sponge Iron plant (6,00,000 TPA to 7,80,000 TPA) & Mini Blast Furnace with oxygen Plant (3,00,000 TPA to 3,90,000 TPA) by process optimization and increasing no of working days/annum, at Village-Gokulpur, P.O.-Shyamraipur, District-Paschim Midnapore (W.B.) under clause 7(ii) of EIA Notification, 2006.	Issued by MoEF&CC vide F. No.J-11011/227/2007-IA II (I) on dated 26/12/2019.				

4. The project proponent reported that monitoring authority of MoEF&CC (RO, MoEF&CC, Bhubaneswar) vide report dated 29/09/2020 raised issue to reorganize the EC's held by OMPL in the name of OMPL and OMPL-Unit I for ease of compliance and also for monitoring by concerned authorities. Hence for ease of compliance, to reorganize the product sale for which EC accorded and to facilitate the monitoring condition stipulated by Ministry time to time, it has been proposed to rename the project 'Sponge Iron Plant ( 6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW)' as M/s Orissa Metaliks Private Limited (Unit-I)(hence referred as OMPL-I) keeping rest of the unit 'Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant' as M/s Orissa Metaliks Private Limited (OMPL).
5. Following is the Configuration & capacity change granted in EC and the amendment desired in the EC:

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units'- Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"*

Name of the Units	As Per EC					Amendment Desired (Rename Unit Name)
	Configuration	Production	Product	Location Detail	Unit Name	
Sponge Iron Plant (DRI Kiln)	(6 x 100 + 1 x 350 + 1 x 600 + 1 x 500)	7,80,000 TPA	Sponge Iron	Mouja-Mathurakismat (J.L. No.-114) & Amba (J.L. No.-115), Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal	Orissa Metaliks Private Limited	Orissa Metaliks Private Limited Unit-I
WHRB Based CPP	52 MW	52 MW	Power			
AFBC Based CPP	6 MW	6 MW				
CFBC Based CPP	25 MW	25 MW				
Mini Blast Furnace with 200 TPD Oxygen plant & PCM	1 x 320 m <sup>3</sup>	3,90,000 TPA	Hot Molten Liquid/ Pig Iron	Mouja-Khidirpur (J.L. No.-140) Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal		Orissa Metaliks Private Limited

6. The project proponent has submitted that there is no change in configuration and production capacity from EC sanction capacity. The proposal is to rename the project 'Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW)' as M/s Orissa Metaliks Private Limited (Unit-I) (hence referred as OMPL-I) keeping rest of the unit 'Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant' as M/s Orissa Metaliks Private Limited.

7. The Status of Implementation of the earlier EC facilities is as follows:

Name of the Units	Permission as Per EC	Size of Units under operation	Production Capacity as per Valid CFO	Name of Product
Sponge Iron Plant (DRI Kiln)	(6 x 100 + 1 x 350 + 1 x 600 + 1 x 500) TPD	(6 x 100 + 1 x 350 + 1 x 600 + 1 x 500) TPD	7,80,000 TPA	Sponge Iron
WHRB Based CPP	52 MW	(6 X 10 + 1 X39 TPH+2 X60) TPH	52 MW	Power
AFBC Based CPP	6 MW	6 MW	6 MW	Power
CFBC Based CPP	25 MW	25 MW	25 MW	Power
Mini Blast Furnace with 200 TPD Oxygen plant & PCM	1 x 320 m <sup>3</sup> (3,90,000 TPA)	1 x 320 m <sup>3</sup>	3,90,000 TPA	Pig Iron/ Molten Metal

8. In this regard, following documents have been submitted by the project proponent:

- Original affidavit "NOC" from M/s Orissa Metaliks Private Limited {Stating for renaming the project Sponge Iron Plant along with Captive Power as M/s Orissa Metaliks Private Limited (Unit-I)}.
- Original affidavit "Undertaking" from M/s Orissa Metaliks Private Limited (Unit-I) stating

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units"- Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"*

that all the terms and conditions stipulated in Environment Clearance issued vide File No. J-11011/227/2007-IA-II (I), dated 12/06/2008, 10/12/2008, 06/01/2017, 30/08/2018 and 26/12/2019 for the unit Sponge Iron Plant along with Captive Power Plant will be complied by OMPL-I.

- iii. Board Resolution by OMPL.
- iv. Revised Environment management plan by OMPL and OMPL-I
- v. Revised Plant Layout with area and green belt detail by OMPL and OMPL-I.
- vi. EC condition compliance Responsibility Matrix between M/s Orissa Metaliks Private Limited and M/s Orissa Metaliks Private Limited Unit-I.

### Observations and recommendations of the Committee

9. The EAC has formed a sub-committee to examine the documents referred above submitted by the project proponent. Accordingly, the sub-committee examined the documents and report has been furnished to the EAC along with following compliance response matrix:

Sl. No	Item	Existing EC in favour of M/s Orissa Metaliks Pvt. Ltd.	Facilities/utilities after rename of EC accorded units to M/s Orissa Metaliks Pvt. Ltd (Unit I) and M/s Orissa Metaliks Pvt. Ltd.	
			M/s Orissa Metaliks Pvt. Ltd. (Unit I)	M/s Orissa Metaliks Pvt. Ltd.
A	<b>Title of the project</b>	Sponge iron plant ( 6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) and Mini Blast Furnace (1 x 320 m <sup>3</sup> )-3,90,000 TPA with 200 TPD oxygen plant at Village Gokulpur, P.O. Shyamraipur, P.S. Kharagpur (Local) District West Medinipur, West Bengal.	Sponge iron plant 780, 000 TPA ( 6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant 83 MW (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) at Village Gokulpur, P.O. Shyamraipur, P.S. Kharagpur (Local) District West Medinipur, West Bengal.	Mini Blast Furnace (1 x 320 m <sup>3</sup> )-3,90,000 TPA with 200 TPD oxygen plant at Village Gokulpur, P.O. Shyamraipur, P.S. Kharagpur (Local) District West Medinipur, West Bengal.
B	<b>Location</b>	Village Gokulpur, P.O. Shyamraipur, P.S. Kharagpur (Local) District West Medinipur, West Bengal	Mouja-Mathurakismat (J.L. No-114) & Amba (J.L. No-115), Village Gokulpur, P.O. Shyamraipur, P.S. Kharagpur (Local) District West Medinipur, West Bengal. <b>Coordinates:</b>	Mouja-Khidipur (J.L. No-140), Village Gokulpur, P.O. Shyamraipur, P.S. Kharagpur (Local) District West Medinipur, West Bengal. <b>Coordinates:</b>
			<b>Latitudes (North)</b>	<b>Longitudes (East)</b>
			22°22'50.90"	87°16'50.70"
			22°22'45.95"	87°16'58.58"
			22°22'38.12"	87°16'58.23"
			22°22'30.74"	87°16'57.52"
			22°22'31.07"	87°16'47.87"
C	<b>Facilities</b>			
1.	Sponge Iron Plant (DRI Kiln)	780, 000 TPA (6 x100 + 1 x 350 + 1 x 500 + 1 x 600) TPD	780, 000 TPA (6 x100 + 1 x 350 + 1 x 500 + 1 x 600) TPD	****
2.	CPP-WHRB Based	52 MW ( 6 X 10 + 1 X 39 + 2 X 60) TPH	52 MW ( 6 X 10 + 1 X 39 + 2 X 60) TPH	****
3.	CPP-FBC Based	31 MW (1 X 32 + 1 X100) TPH)	31 MW (1 X 32 + 1 X 100) TPH)	****
4.	Mini Blast Furnace with	390, 000 TPA (1 X 320 m <sup>3</sup> )	****	1 X 320 m <sup>3</sup>

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units'- Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"*

Sl. No	Item	Existing EC in favour of M/s Orissa Metaliks Pvt. Ltd.		Facilities/utilities after rename of EC accorded units to M/s Orissa Metaliks Pvt. Ltd (Unit I) and M/s Orissa Metaliks Pvt. Ltd.							
				M/s Orissa Metaliks Pvt. Ltd. (Unit I)			M/s Orissa Metaliks Pvt. Ltd.				
	PCM										
5	Oxygen Plant	200 TPD		****			200 TPD				
<b>D</b>	<b>Products</b>										
1.	Sponge Iron	7,80,000 TPA		7,80,000 TPA			****				
2.	Hot Molten Metal/ Pig Iron	3,90,000 TPA		****			3,90,000 TPA				
3.	Power	83 MW		83 MW			****				
4.	Oxygen	200 TPD		****			200 TPD				
		<b>Other facilities/Utilities</b>									
<b>E</b>	<b>Raw Materials Requirement</b>	<b>S. No.</b>	<b>Raw Materials</b>	<b>Quantity (in TPA)</b>	<b>S. No.</b>	<b>Raw Materials</b>	<b>Quantity (in TPA)</b>	<b>S. No.</b>	<b>Raw Materials</b>	<b>Quantity (in TPA)</b>	
		1	Iron Ore Lumps / Fines	2,80,400	1	Iron Ore Lumps / Fines	2,34,000	1	Iron Ore Lumps / Fines	46,400	
		2	I/o Pellet	15,60,832	2	I/o Pellet	11,10,032	2	I/o Pellet	4,50,800	
		3	Sinter	87,200	3	Coal and Coal Dust	7,72,000	3	Sinter	87,200	
		4	Coal and Coal Dust	8,74,800	4	Dolomite	54,600	4	Coal and Coal Dust	1,02,800	
		5	Coke & Coke fines	53,200	5	Limestone	7,200	5	Coke & Coke fines	53,200	
		6	Dolomite	54,600				6	Quartzite	1,59,900	
		7	Limestone	7,200				7	Pyroxenite	11,700	
		8	Quartzite	1,59,900							
		9	Pyroxenite	11,700							
<b>F</b>	<b>Land</b>	42 Acres		40 Acres			2 Acres				
<b>G</b>	<b>Project Cost</b>	450.0 Crores (excluding WHRB)		439 Crores (Including WHRB)			111 Crores				
<b>H</b>	<b>Water Requirement</b>	2,658 KLD Source: Existing Bore well / Rainwater Harvesting Pond, Surface water		2050 KLD Source: Existing Bore well & Rainwater Harvesting Pond-1640 KLD Surface water- 410 KLD			608 KLD Source: Existing Bore well / Rainwater Harvesting Pond & surface water				
<b>I</b>	<b>Manpower</b>	560 persons		460 persons			100 persons				
<b>J</b>	<b>Air Pollution Control Device details</b>	DRI		ESP		DRI		ESP with WHRB		MBF with PCM	Bag Filter, Cyclone
		FBC based CPP		ESP		FBC based CPP		ESP			
		MBF with PCM		Bag Filter, Cyclone							
<b>K</b>	<b>Solid Waste</b>	<b>Qty. (TPA)</b>	<b>Management</b>	<b>Solid waste</b>	<b>Qty. (TPA)</b>	<b>Manag.</b>	<b>Solid waste</b>	<b>Qty. (TPA)</b>	<b>Manag.</b>		
		Kiln Accretion	6,240 Used in Sinter Plant, Cement Manufacturing	Kiln Accretion	6,240	Used in Sinter Plant, Cement Manufacturing	MBF Slag	1,48,200	Used in Cement Manufacturing		
	Dolochar	1,48,200	Used in FBC Boiler	Dolochar	1,48,200	Used in FBC Boiler	MBF Dust &	1,70,000	Used in Sinter Plant and also		

Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units" - Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"

Sl. No.	Item	Existing EC in favour of M/s Orissa Metaliks Pvt. Ltd.		Facilities/utilities after rename of EC accorded units to M/s Orissa Metaliks Pvt. Ltd (Unit I) and M/s Orissa Metaliks Pvt. Ltd.			
				M/s Orissa Metaliks Pvt. Ltd. (Unit I)		M/s Orissa Metaliks Pvt. Ltd.	
							Sludge for brick manufacturing
	Fly Ash	84,500	Used for bricks manufacturing and Cement Manufacturing	Fly Ash	84,500	Used for bricks manufacturing and Cement Manufacturing	
	Dust from APC Devices	1,09,200	Used in Sinter Plant, land filling and also for Brick Manufacturing	Dust from APC Devices	1,09,200	Used in Sinter Plant, land filling and also for Brick Manufacturing	
	Bottom Ash	1,52,503	Road Construction & Land Filling	Bottom Ash	1,52,503	Road Construction & Land Filling	
	MBF Slag	1,48,200	Used in Cement Manufacturing				
	MBF Dust & Sludge	1,70,000	Used in Sinter Plant and also for brick manufacturing.				
<b>L</b>	<b>Power Requirement</b>	<b>45 MW</b> Source: Captive Power Plant/WBSEDCL D.G. Set: 04		<b>35 MW</b> Source: Captive Power Plant D.G. Set: 2 x 600 KVA + 1 x 350 KVA		<b>10 MW</b> Source: Power Plant of OMPL/WBSEDCL D.G. Set: 1 x 600 KVA	

**POINT WISE RESPONSIBILITY TO EC CONDITION**

Sl. No.	Environment Clearance Condition	M/s Orissa Metaliks Private Limited (Unit I)	M/s Orissa Metaliks Private Limited
<b>M</b>	<b>Specific Conditions</b>		
<b>1.</b>	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stack monitoring facilities for all the stacks should be provided and sufficient air pollution control devices shall be provided and sufficient air pollution control devices shall be provided to keep the emission levels below prevailing standards. Data on ambient air quality and stack emissions should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, CPCB and W.B Pollution Control Board (WBPCB) once in six months.	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stack monitoring facilities for all the stacks should be provided and sufficient air pollution control devices shall be provided and sufficient air pollution control devices shall be provided to keep the emission levels below prevailing standards. Data on ambient air quality and stack emissions should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, CPCB and W.B Pollution Control Board (WBPCB) once in six months.	Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stack monitoring facilities for all the stacks should be provided and sufficient air pollution control devices shall be provided and sufficient air pollution control devices shall be provided to keep the emission levels below prevailing standards. Data on ambient air quality and stack emissions should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, CPCB and W.B Pollution Control Board (WBPCB) once in six months.

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units" - Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"*

Sl. No.	Environment Clearance Condition	M/s Orissa Metaliks Private Limited (Unit I)	M/s Orissa Metaliks Private Limited
2.	As proposed, electrostatic precipitator (ESP) shall be provided to DRI kilns to control emissions within prevailing standards. The waste gases from the DRI kiln shall be passed through dust Settling Chamber (DSC) to settle the dust particles and after Burning Chamber (ABC). The hot gases from ABC shall be taken to gas cleaning plant to burn the combustibles and cleaned in ESP.	As proposed, electrostatic precipitator (ESP) shall be provided to DRI kilns to control emissions within prevailing standards. The waste gases from the DRI kiln shall be passed through dust Settling Chamber (DSC) to settle the dust particles and after Burning Chamber (ABC). The hot gases from ABC shall be taken to gas cleaning plant to burn the combustibles and cleaned in ESP.	(Not Applicable)
3.	Dust extraction system comprising of dry fog system including pulse jet bag filters shall be provided to the blast furnace stock house. Dust extraction system shall also be provided to blast furnace Gas cleaning system and fume extraction system shall be provided to the electric arc furnace (EAF). Bag filters shall be provided at the transfer points to control fugitive emissions. Dust suppression system shall be provided to control dust from raw material handling and storage area. The water shall be sprayed in the After Burning Chamber (ABC).	Bag filters shall be provided at the transfer points to control fugitive emissions. Dust suppression system shall be provided to control dust from raw material handling and storage area in DRI Plant. The water shall be sprayed in the After Burning Chamber (ABC).	Dust extraction system comprising of dry fog system including pulse jet bag filters shall be provided to the blast furnace stock house. Dust extraction system shall also be provided to blast furnace Gas cleaning system and fume extraction system shall be provided to the electric arc furnace (EAF). Bag filters shall be provided at the transfer points to control fugitive emissions. Dust suppression system shall be provided to control dust from raw material handling and storage area.
4.	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored Guidelines/Code of Practice issued by the CPCB shall be followed.	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored Guidelines/Code of Practice issued by the CPCB shall be followed.	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored Guidelines/Code of Practice issued by the CPCB shall be followed.
5.	Total water requirement from Public Health Engineering Department shall not exceed 8,160 m <sup>3</sup> /day. Effluent treatment plant (ETP) shall be installed and all the treated wastewater including blow down water from Blast furnace, Sinter plant, Oxygen plant, SMS, Caster etc. Shall be recycled and reused in the process dust suppression and green belt development 'Zero' effluent discharge should be strictly followed and no wastewater should be discharged outside the premises.	2050 KLD water is required for 780,000 TPA Sponge iron plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) and it is/ will be sourced from Bore well, Rainwater Harvesting Pond and surface water (Kansabati river).  Zero' effluent discharge shall be strictly followed and no wastewater discharged outside the premises.	608 KLD water is required for MBF with oxygen plant and it is/ will be sourced from Bore well, Rainwater Harvesting Pond and waste water.  Zero' effluent discharge shall be strictly followed and no wastewater discharged outside the premises
6.	Prior 'Permission' for the withdrawal of 8,160 m <sup>3</sup> /day water from the concerned department shall be obtained.	2050 KLD water is required and it is/ will be sourced from Bore well, Rainwater Harvesting Pond and surface water (Kansabati river).	608 KLD water is required and it is/ will be sourced from Bore well, Rainwater Harvesting Pond and waste water.
7.	All the char from DRI plant shall be utilized in AFBC boiler of power plant and no char shall be disposed off anywhere else. All the blast furnace (BF) slag shall be granulated and provided to cement manufactures for further utilization SMS slag shall also be properly utilized. All the other solid waste including broken refractory mass shall be	All the char from DRI plant shall be utilized in AFBC boiler of power plant and no char shall be disposed off anywhere else. All the other solid waste is including broken refractory mass shall be properly disposed off in environment friendly manner.	All the blast furnace (BF) slag shall be granulated and provided to cement manufactures for further utilization. SMS slag shall also be properly utilized. All other solid waste including broken refractory mass shall be properly disposed off in environment friendly manner.

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units" - Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"*

Sl. No.	Environment Clearance Condition	M/s Orissa Metaliks Private Limited (Unit I)	M/s Orissa Metaliks Private Limited
	properly disposed off in environment friendly manner.		
8.	Coal and coke fines shall be recycled and reused in the process. Iron ore, fluxes, mill scale etc. shall be recycled to sinter plant to produce sinter. Waste oil shall be sold to authorized recyclers/reprocesses.	Coal and coke fines shall be recycled and reused in the process. Iron ore, fluxes, mill scale etc. shall be recycled to sinter plant to produce sinter. Waste oil shall be sold to authorized recyclers/reprocesses.	Coal and coke based fines shall be recycled and reused in the process. Waste oil shall be sold to authorized recyclers/reprocesses.
9.	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.
10.	All the fly ash be utilized as per Fly Ash Notification, 1999 as amended in 2003.	All the fly ash be utilized as per Fly Ash Notification, 1999 as amended in 2003.	<b>(Not Applicable)</b>
11.	As proposed green belt shall be developed in 33% area within and around the plan premises as per the CPCB guidelines in consultation with DFO.	As proposed green belt shall be developed in 33% area within and around the plan premises as per the CPCB guidelines in consultation with DFO.	As proposed green belt shall be developed in 33% area within and around the plan premises as per the CPCB guidelines in consultation with DFO.
12.	All the recommendations made in the charter on corporate Responsibility to Environment Protection (CREP) for the Steel plants shall be implemented.	All the recommendations made in the charter on corporate Responsibility to Environment Protection (CREP) for the Steel plants shall be implemented.	All the recommendations made in the charter on corporate Responsibility to Environment Protection (CREP) for the Steel plants shall be implemented.
13.	DRI kiln should be provided with waste heat recovery boiler (WHRB) to make use of flue gases generated during the process.	DRI kiln should be provided with waste heat recovery boiler (WHRB) to make use of flue gases generated during the process.	<b>(Not Applicable)</b>
14.	All the char from DRI plant should be utilized in AFBC boiler of power plant and no char should be disposed anywhere else.	All the char from DRI plant should be utilized in AFBC boiler of power plant and no char should be disposed anywhere else.	<b>(Not Applicable)</b>
15.	All the slag generated from the blast furnace should be granulated and used in cement plants.	<b>(Not Applicable)</b>	All the slag generated from the blast furnace should be granulated and used in cement plants.
<b>No.</b>	<b>General Conditions</b>		
1.	The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.	The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.	The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).
3.	The Gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19th May, 1993 and other standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	The Gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19th May, 1993 and other standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	The Gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19th May, 1993 and other standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units"- Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (I), Dist. Paschim Medinipur, West Bengal"*



Sl. No.	Environment Clearance Condition	M/s Orissa Metaliks Private Limited (Unit I)	M/s Orissa Metaliks Private Limited
4.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM <sub>10</sub> , SO <sub>2</sub> , and NO <sub>x</sub> are anticipated in consultation with the SPCB Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM <sub>10</sub> , SO <sub>2</sub> , and NO <sub>x</sub> are anticipated in consultation with the SPCB Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM <sub>10</sub> , SO <sub>2</sub> , and NO <sub>x</sub> are anticipated in consultation with the SPCB Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.
5.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
6.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 dBA (daytime) and 70 dBA (night time)	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 dBA (daytime) and 70 dBA (night time)	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 dBA (daytime) and 70 dBA (night time)
7.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
8.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
9.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
10.	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units" - Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (I), Dist. Paschim Medinipur, West Bengal"*

Sl. No.	Environment Clearance Condition	M/s Orissa Metaliks Private Limited (Unit I)	M/s Orissa Metaliks Private Limited
	Ministry of Environment, Forest and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Orissa. The funds so provided shall not be diverted for any other purpose.	conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Orissa. The funds so provided shall not be diverted for any other purpose.	conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Orissa. The funds so provided shall not be diverted for any other purpose.
11.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom, suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom, suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom, suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
12.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of the MOEFCC at Orissa, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects shall be continuously monitored and displayed at a convenient location near the main gate of the company in the public domain.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of the MOEFCC at Orissa, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects shall be continuously monitored and displayed at a convenient location near the main gate of the company in the public domain.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of the MOEFCC at Orissa, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects shall be continuously monitored and displayed at a convenient location near the main gate of the company in the public domain.
13.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Orissa/CPCB/SPCB shall monitor the stipulated conditions.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Orissa/CPCB/SPCB shall monitor the stipulated conditions.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Orissa/CPCB/SPCB shall monitor the stipulated conditions.
14	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment	(The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units'- Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"*

Sl. No.	Environment Clearance Condition	M/s Orissa Metaliks Private Limited (Unit I)	M/s Orissa Metaliks Private Limited
	amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Orissa by e-mail.	(Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Orissa by e-mail.	Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Orissa by e-mail.
15	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEF&CC) at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue 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 and a copy of the same should be forwarded to the Regional office at Orissa.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEF&CC) at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue 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 and a copy of the same should be forwarded to the Regional office at Orissa.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEF&CC) at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue 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 and a copy of the same should be forwarded to the Regional office at Orissa.
16	Project authorities shall inform the Regional Office as well as the Ministry, 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 authorities shall inform the Regional Office as well as the Ministry, 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 authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
17	The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.	The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.	The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.
18	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.
19	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.
20	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986,	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units" - Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"*

Sl. No.	Environment Clearance Condition	M/s Orissa Metaliks Private Limited (Unit I)	M/s Orissa Metaliks Private Limited
	Wastes (Management and Transboundary Movement) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.	Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.	(Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.
<b>Specific Conditions w.r.t to EC amendment dated 10.12.2008</b>			
21	Setting of Sponge Iron plant (10 x 100 TPD) at Mouza Mathurakismat, J.L. No-114 which is 1.5 KM from the site proposed earlier.	Setting of 780, 000 TPA Sponge iron plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) at Mouza Mathurakismat, J.L. No-114	(Not Applicable)
22	Adequate Air Pollution Control measures as noted in Environment management plan need be complied.	Adequate Air Pollution Control measures as noted in Environment management plan need be complied.	Adequate Air Pollution Control measures as noted in Environment management plan need be complied.
<b>Specific Conditions w.r.t to EC letter dated 26/12/2019</b>			
23	Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline.	Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline.	Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline.
24	Emission level from Bag filter and ESP shall be 30 mg/Nm <sup>3</sup> .	Emission level from Bag filter and ESP shall be less than 30 mg/Nm <sup>3</sup> .	Emission level from Bag filter and ESP shall be less than 30 mg/Nm <sup>3</sup> .
25	PP committed for use of imported coal only. However, the committee felt that during the non-availability of imported coal, PP shall be using Indian coal. Therefore the pollution control equipment shall be designed for use of Indian coal/higher pollution load.	PP committed for use of imported coal only. However, the committee felt that during the non-availability of imported coal, PP shall be using Indian coal. Therefore the pollution control equipment shall be designed for use of Indian coal/higher pollution load.	(Not Applicable)
26	Zero liquid discharge shall be adopted	Zero liquid discharge shall be adopted	Zero liquid discharge shall be adopted
27	100% waste utilization shall be followed.	100% waste utilization shall be followed.	100% waste utilization shall be followed.
28	Green belt shall cover 33% of the total area in the plant site.	Green belt shall cover 33% of the total area in the plant site. The existing Green Belt if already covering more than 33 % of the total plant area shall be retained.	Green belt shall cover 33% of the total area in the plant site. The existing Green Belt if already covering more than 33 % of the total plant area shall be retained.

10. The report of the sub-committee was placed before the EAC and the findings of the sub-committee was deliberated upon. After deliberations, the Committee accepted the sub-committee report and recommended the following:

- i. Amendment in the Environmental Clearance accorded by the Ministry vide letter no. J-11011/227/2008-I A.II(I) dated 12/06/2008, 10/12/2008, 06/01/2017, 30/08/2018 and 26/12/2019 by excluding the "Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW)" and also modifying the specific as well as general conditions as per the compliance matrix given above.
- ii. Part transfer of "Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW)"

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units'- Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"*

MW)" facilities in the name of the M/s. Orissa Metaliks Private Limited by issuing a part transfer EC letter along with prescribing of specific as well as general conditions as per the compliance matrix given above.

#### **Decision of MoEF&CC**

11. The undersigned is directed to inform that Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1) and undertaking submitted vide email dated 25/03/2021 hereby decided to partly transfer the facilities namely "Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW)" mentioned in the EC letters dated 12/06/2008, 10/12/2008, 06/01/2017, 30/08/2018 and 26/12/2019 in the name of the M/s. Orissa Metaliks Private Limited subject to strict compliance of the following specific and general conditions:

#### **A. Specific conditions**

- i. Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line stack monitoring facilities for all the stacks should be provided and sufficient air pollution control devices shall be provided and sufficient air pollution control devices shall be provided to keep the emission levels below prevailing standards. Data on ambient air quality and stack emissions should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, CPCB and W.B Pollution Control Board (WBPCB) once in six months.
- ii. As proposed, electrostatic precipitator (ESP) shall be provided to DRI kilns to control emissions within prevailing standards. The waste gases from the DRI kiln shall be passed through dust Settling Chamber (DSC) to settle the dust particles and after Burning Chamber (ABC). The hot gases from ABC shall be taken to gas cleaning plant to burn the combustibles and cleaned in ESP.
- iii. Bag filters shall be provided at the transfer points to control fugitive emissions. Dust suppression system shall be provided to control dust from raw material handling and storage area in DRI Plant. The water shall be sprayed in the After Burning Chamber (ABC).
- iv. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored Guidelines/Code of Practice issued by the CPCB shall be followed.
- v. 2050 KLD water is required for 780, 000 TPA Sponge iron plant ( 6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) and it is/ will be sourced from Bore well , Rainwater Harvesting Pond and surface water (Kansabati river). Zero' effluent discharge shall be strictly followed and no wastewater discharged outside the premises.
- vi. 2050 KLD water is required and it is/ will be sourced from Bore well, Rainwater Harvesting Pond and surface water (Kansabati river).
- vii. All the char from DRI plant shall be utilized in AFBC boiler of power plant and no char shall be disposed off anywhere else. All the other solid waste is including broken refractory mass shall be properly disposed off in environment friendly manner.

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units'- Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-1) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"*

- viii. Coal and coke fines shall be recycled and reused in the process. Iron ore, fluxes, mill scale etc. shall be recycled to sinter plant to produce sinter. Waste oil shall be sold to authorized recyclers/reprocesses.
- ix. A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.
- x. All the fly ash be utilized as per Fly Ash Notification, 1999 as amended in 2003.
- xi. As proposed green belt shall be developed in 33% area within and around the plant premises as per the CPCB guidelines in consultation with DFO.
- xii. All the recommendations made in the charter on corporate Responsibility to Environment Protection (CREP) for the Steel plants shall be implemented.
- xiii. DRI kiln should be provided with waste heat recovery boiler (WHRB) to make use of flue gases generated during the process.
- xiv. All the char from DRI plant should be utilized in AFBC boiler of power plant and no char should be disposed anywhere else.
- xv. Setting of 780, 000 TPA Sponge iron plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive power plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) at Mouza Mathurakismat, J.L. No-114.
- xvi. Adequate Air Pollution Control measures as noted in Environment management plan need be complied.
- xvii. Surface water shall be taken from Kansai River. No ground water shall be abstracted after completion of Kansai river pipeline.
- xviii. Emission level from Bag filter and ESP shall be less than 30 mg/Nm<sup>3</sup>.
- xix. PP committed for use of imported coal only. However, the committee felt that during the non-availability of imported coal, PP shall be using Indian coal. Therefore the pollution control equipment shall be designed for use of Indian coal/higher pollution load.
- xx. Zero liquid discharge shall be adopted
- xxi. 100% waste utilization shall be followed.
- xxii. Green belt shall cover 33% of the total area in the plant site. The existing Green Belt if already covering more than 33 % of the total plant area shall be retained.

#### **B. General conditions**

- i. The project authorities must strictly adhere to the stipulation made by the West Bengal State Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).
- iii. The Gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19th May, 1993 and other standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
- iv. At least four ambient air quality monitoring stations should be established in the

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units" - Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-I) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (L), Dist. Paschim Medinipur, West Bengal"*

downward direction as well as where maximum ground level concentration of PM10, SO2, and NOx are anticipated in consultation with the SPCB Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.

- P.M.*
- v. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
  - vi. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 dBA (daytime) and 70 dBA (night time)
  - vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
  - viii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
  - ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
  - x. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Orissa. The funds so provided shall not be diverted for any other purpose.
  - xi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom, suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
  - xii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of the MOEFCC at Orissa, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the projects shall be continuously monitored and displayed at a convenient location near the main gate of the company in the public domain.
  - xiii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry

*Part transfer of Environment Clearance titled "Renaming of Environment Clearance accorded units" - Sponge Iron Plant (6 x 100 + 1 x 350 + 1 x 500 + 1 x 600 TPD)-7,80,000 TPA along with 83 MW Captive Power Plant (WHRB-52 MW + AFBC-6 MW + CFBC-25 MW) as M/s Orissa Metaliks Private Limited (Unit-1) keeping rest of the unit Mini Blast furnace (1 x 320 m<sup>3</sup>)-3,90,000 TPA with 200 TPD oxygen plant as M/s Orissa Metaliks Private Limited by M/s Orissa Metaliks Private Limited at Village-Gokulpur, P.O-Shyamraipur, P.S-Kharagpur (I), Dist. Paschim Medinipur, West Bengal"*

at Orissa/CPCB/SPCB shall monitor the stipulated conditions.

- xiv. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Orissa by e-mail.
- xv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEF&CC) at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue 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 and a copy of the same should be forwarded to the Regional office at Orissa.
- xvi. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
- xvii. The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.
- xviii. The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.
- xix. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.
- xx. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.
12. M/s. Orissa Metaliks Private Limited shall abide by all the commitments and recommendations made in the EIA/EMP report, presentation made before the EAC and commitments made during the Public hearing.
13. The PP shall ensure no change in the pollution load and no conflict in sharing in common facilities in day to day operations.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.



15. All the other terms and conditions stipulated in environmental clearance vide letter no. J-11011/227/2008-I A.II(I) dated 12/06/2008, 10/12/2008, 06/01/2017, 30/08/2018 and 26/12/2019 will remain unchanged.
16. M/s. OMPL shall comply with aforesaid EC conditions as well as other terms and conditions stipulated in environmental clearance vide letter no. J-11011/227/2008-I A.II(I) dated 12/06/2008, 10/12/2008, 06/01/2017, 30/08/2018 and 26/12/2019.
17. The project proponent shall obtain fresh environmental clearance in case of change in scope of the project, if any.
18. This issues with the approval of Competent Authority.

Yours faithfully,

  
(Sundar Ramanathan)  
Scientist 'E'

**Copy to:-**

1. Secretary, Department of Environment, Government of West Bengal, Kolkata, West Bengal.
2. Regional Officer, Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar – 751023.
3. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
4. Chairman, West Bengal Pollution Control Board, Paribesh Bhavan, 10A, Block LA, Sector III, Salt Lake, Kolkata, West Bengal 700091.
5. Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
6. District Collector, Paschim Medinipur District, West Bengal.
7. Guard File / Record file / Monitoring file.
8. MoEF&CC Website.

  
(Sundar Ramanathan)  
Scientist 'E'

