

### Inspection Report-cum-Check List

<b>Name &amp; address of the Industry</b>	M/s. Rashmi Metaliks Ltd. & M/s. Orissa Metaliks Pvt. Ltd., Vill-Gokulpur, Samraipur, P.O-Samraipur, P.S-Kharagpur(L), Dist-Paschim Medinipur.
<b>Category of industry</b>	Red, Sponge iron/ Primary & Secondary metallurgical industries.
<b>Date &amp; time of inspection</b>	19.07.18 at 12.00-4.30 PM
<b>Inspecting officers</b>	K.Sahoo, AEE & Sanjoy Mukherjee, Haldia Regional Office.
<b>Persons met during inspection</b>	<ol style="list-style-type: none"> <li>1. Sri Abhijit Roy, Sr. V.P, Rashmi Metaliks Ltd. &amp; Orissa Metaliks Pvt. Ltd. (Unit-II)</li> <li>2. Sri Bhaskar Chowdhury, Plant-in-charge, Orissa Metaliks Pvt. Ltd.(Unit-I)</li> </ol>

**Observation:**

All these industries spread over around 3500 acres of land. The unit operations of these units are as follows:

<b>M/s. Rashmi Metaliks Ltd.</b>	<b>M/s. Orissa Metaliks Pvt. Ltd. (Unit-II)</b>	<b>M/s. Orissa Metaliks Pvt. Ltd. (Unit-I)</b>
MBF (1 x 215 M <sup>3</sup> ) - 170000 TPA	Iron Ore Pellet Plant-2x0.66 MTPA	DRI Kiln-6x100 TPD & 1x350 TPD
Sinter Plant (2x25 M <sup>2</sup> ) - 600000 TPA	Iron Ore beneficiation plant-1x1.5 MTPA	CPP: WHRB based-22 MW, CFBC based-25 MW, AFBC based-6 MW
Pig casting machine-600 TPD	Producer gas plant-10x7500 Nm <sup>3</sup> / Hr	Induction Furnace-4x20 T & LRF-1x10 T
Induction Furnace (5x20T) - 378000 TPA	MBF-1x320 M <sup>3</sup>	Induction furnace-3x20 T (applied CFO)-under construction.  <i>AFBC boiler not in operation.</i>
Pellet Plant-1x0.9 MTPA		
DI Pipe plant-0.20 MTPA		
Rolling Mill-115200 TPA		
Coal gasifier-2x6000 Nm <sup>3</sup> /Hr		
Oxygen Plant-60 TPD		
Applied CFO for		
a) Induction furnace- 1x20 T & AOD converter-1x25 T/batch		
b) Enhancement of pig iron production capacity of MBF from 170000 TPA to 180000 TPA.		

During inspection it has been observed that M/s. Rashmi Metalliks Ltd. & M/s. Orissa Metalliks Pvt. Ltd. (Unit II) has been situated in same premises, no boundary wall has been earmarked to separate the unit operations of both the units.

A Bank Guarantee of Rs. 10 lakhs has been imposed against the units due to several non-compliance observed during earlier inspection.

During inspection following observations have been made:

1. Stack emission from Orissa Metaliks Pvt. Ltd (Unit-I) have been collected and results obtained are as follows:

Stack connected to	PM Results obtained	Permissible limit
Rotary Kiln 1&2	48.94 mg/Nm <sup>3</sup> @ 12% CO <sub>2</sub>	100 mg/Nm <sup>3</sup>
Rotary Kiln 3&4	48.37 mg/Nm <sup>3</sup> @ 12% CO <sub>2</sub>	100 mg/Nm <sup>3</sup>
Rotary Kiln 5&6	16.12 mg/Nm <sup>3</sup> @ 12% CO <sub>2</sub>	100 mg/Nm <sup>3</sup>
IF-4x20T & LRF-1x20T	<b>59.15</b> mg/Nm <sup>3</sup>	50 mg/Nm <sup>3</sup>
CFBC boiler-25 MW	<b>180.55</b> mg/Nm <sup>3</sup> @ 12% CO <sub>2</sub>	100 mg/Nm <sup>3</sup>

Online system with the DRIs and CPP are in operation.

2. 01 no. Induction furnace & AOD converter of M/s. Rashmi Metaliks Ltd. has been installed along with its APCD.

3. Fugitive emission from SMS section of the M/s. Rashmi Metaliks Limited has been observed as the suction hoods over the IF's are kept open.

4. Housekeeping of the entire three units was very poor. Raw materials are stored in open yards.

5. CFO of the M/s. Rashmi Metalliks Ltd. is valid up to 31.03.2022. CFO of M/s. Orissa Metaliks Pvt. Ltd.(Unit-II) is valid up to 31.10.2021 and CFO of M/s. Orissa Metaliks Pvt. Ltd.(Unit-I) is valid up to 30.04.2022.

6. Tree plantation has been initiated at the Rashmi Metaliks Ltd. premises.

#### Remarks:

Earlier mass complaint has been lodged against the unit and accordingly a BG has been imposed.

Emission from the CFBC based Power plant of Orissa Metaliks Pvt Ltd. (Unit-I) also found non-complying in earlier occasion also.

Therefore the unit may be directed to control emission from the Power Plant unit through ESP modification along with regulatory action as deemed fit may be initiated.

Kunal Sahoo  
Kunal Sahoo 03.08.18.

S. Mukherjee  
S.Mukherjee