

Annexure-I

Supply, Installation and Commissioning of Hopper with Vibratory Screen, Inclined Vibratory Screen, Storage Hopper and Polybag Crusher at Amrawati, CRPF Group Centre, Durgapur, West Bengal 713214

1 End user:

The Hopper with Vibratory Screen, Inclined Vibratory Screen, Storage Hopper and Polybag Crusher will be installed in Amrawati, CRPF Group Centre, Durgapur, West Bengal 713214.

2 Detailed specification:

Equipment	Specification/ Dimension
Hopper with Vibratory Screen	<p>1st Hopper: Dimension-1000 mm × 1000 mm × 500 mm (Rectangular) - Top Part 1000 mm × 1000 mm × 400 mm (Conical) - Bottom Part Thickness - 3.0 mm (MOC: MS IS2062) Feeding Point: +3500 mm (From GL) Top Vibratory Screen at +3500 mm (from GL) Perforation: Φ150 mm Plate Dimension: 1000 mm × 1000 mm × 3.0 mm (MOC: AISI304) Angle of Inclination: 50° Vibratory Motor: 1 hp, 415 V, 3Φ, 2-Pole, 500-600 kgF Vibratory Plate Holding Frame: 1600 mm × 1000 mm Heli-coil Spring: Outer Dia.-75 mm; Wire Dia.- 6 mm; No. of Coil: 10; Free Length – 200 mm; Pitch: 20 mm No. of Spring: 4 Nos. (min) Structural Frame: ISMC (100 mm × 50 mm × 6 mm) MOC: MS-IS2062 Height of the Frame: +3500 mm from GL Side Guard: Height 300 mm × 3 mm (MOC: MS-IS2062) Base Plate: 200 mm × 200 mm × 8 mm with 4 Nos. 14 mm hole (MOC MS-IS2062)</p> <p>2nd Hopper: 1000 mm × 1000 mm × 500 mm (Rectangular) - Top Part 1000 mm × 1000 mm × 400 mm (Conical) - Bottom Part Delivery Point: +1200 mm (From GL) Top covered with net of perforation 10 mm × 10 mm (MOC: AISI304) Height of the Frame: + 2000 mm (from GL) Structural Frame: ISMC (100 mm × 50 mm × 6 mm) MOC MS-IS2062 Base Plate: 200 mm × 200 mm × 8 mm with 4 Nos. 14 mm hole (MOC MS-IS2062)</p>
Inclined Vibratory Screen	<p>Perforation: 75 mm × 75 mm Plate Dimension: 1600 mm × 1000 mm × 3.0 mm (MOC: AISI304) Angle of Inclination: 15° Vibratory Motor: 1 hp, 415 V, 3Φ, 2-Pole, 500-600 kgF Vibratory Plate Holding Frame: 1600 mm × 1000 mm Hopper: 1600 mm × 1000 mm × 400 mm (Conical) Heli-coil Spring: Outer Dia.-75 mm; Wire Dia.-6 mm; No. of Coil: 10; Free Length- 200 mm; Pitch: 20 mm No. of Spring: 4 Nos. (Min) Structural Frame: ISMC (100 mm × 50 mm × 6 mm) MOC MS-IS2062 Height of the Frame: 1200 mm from GL Side Guard: Height 300 mm × 3 mm (MOC: MS-IS2062) Base Plate: 200 × 200 × 8 mm with 4 Nos. 14 mm hole (MOC MS-IS2062)</p>

Annexure-I

Storage Hopper	Dimension – 1200 mm × 1000 mm × 300 mm (Rectangular) - Top Part 1200 mm × 1000 mm × 400 mm (Conical) - Bottom Part Thickness - 3.0 mm (MOC: MS IS2062) Top covered with net of perforation 10 mm × 10 mm (MOC: AISI304) Feeding Point: +1800 mm (From GL) Bottom Box: Size: 1000 mm × 400 mm × 400 mm with an opening gate Covered with net of perforation 10 mm × 10 mm (MOC: AISI304) Structural Frame: ISMC (100 mm × 50 mm × 6mm) MOC MS-IS2062 Base Plate: 200 × 200 × 8 mm with 4 Nos. 14 mm hole (MOC MS-IS2062)
Polybag Crusher	Motor: 3 hp, 415V, 3 Φ, 1440 rpm Shaft: Φ 30 mm × 600 mm; No. of Blades: 8 MOC EN38

3 **Scope of supply & incidental services:**

a) Hopper with Vibratory Screen, Inclined Vibratory Screen, Storage Hopper and Polybag Crusher

Detailed specification as Provided in Section 2 above.

The supplier shall be required to perform the following services:

- a) Installation & Commissioning, Supervision and Demonstration of the goods;
- b) Providing required jigs and tools for assembly required for the completion of the installation;
- c) Cabling from main panel to all instruments and devices;
- d) Onsite training to Scientists/Technical Officers/Staffs is to be provided by Supplier for operation and maintenance of the equipment to the complete satisfaction of the user department;
- e) All safety requirements are to be incorporated.

4 **Inspection and Acceptance Tests required:**

Trial run and full load test will be conducted for 3 days to the complete satisfaction of the end user in the presence of Scientists/Technical Officers from CSIR-CMERI.

5 **Minimum Pre-Qualification Criteria:**

None

Subho Samanta
24.12.2019