

## **KOLHAPUR FOUNDRY AND ENGINEERING CLUSTER**

C/O. Kolhapur Engineering Association, 1243/46 & 47, Shivaji Udyamnagar, Kolhapur.

Tel : +91 231 2654652, + 91 9970132921.

Sealed tenders are invited for Supply & installation of following exhaust system from Reputed Manufacturers/suppliers having past experience in similar type of works.

**Location:** 1) Thermal Sand Reclamation Plant, Plot P-82, at MIDC Gokul Shirgaon Kolhapur &  
2) Thermal Sand Reclamation Plant, Plot P-62, at Shirolji MIDC Kolhapur.

- A) De Dusting system for thermal Sand Reclamation Plant: 4 Nos
- B) Ducting & Exhaust Duct

The Bid shall be submitted in TWO Envelops systems. Envelope 1 shall contain the Technical specification and Details. Envelop 2 shall contain the financial bid along with EMD. Demand draft of 1% amount of Bid-value shall be enclosed in Envelope 2, in favor of 'Kolhapur Foundry & Engineering Cluster' payable at Kolhapur.

**A pre bid meeting shall be arranging on site on dated 27/02/2016 @ 3.00 PM prior to submission of bid documents.**

The Last date of submission of sealed Quotation / Tender is 04/03/2016 up to 4.00 p.m. Tender shall be opened on same day @ 5.00 p.m. or any pre-intimated date & time. Tenders received late shall be rejected. The SPV reserves the right to accept / reject any or all tenders without giving any reason.

For any technical clarification the Bidders / Tenders may contact Mr. Milind Bhawe (Mobile No. 9923751518) Technical Consultant.

### **TECHNICAL SPECIFICATIONS OF DE DUSTING SYSTEM FOR THERMAL RECLAMATION**

Application	: Thermal Reclamation
Volume of extraction	: 31,500 Am3/hr
Type of Dust	: Sand Fines
Type of Filer	: Cassette flat bag type
Type of cleaning mechanism	: Off-line reverse air cleaning
Filter Model	: NFS 712 / 280 – 20
Filter Area (Gross/Net)	: 420 m2 / 389 m2
Type of Fabric	: Aramid high temperature bags
Hopper below filter for discharge	: Pyramidal type hopper
Discharge valve below hopper	: Gravity operated double flop valve
ID fan	: backward curved / centrifugal high efficiency
Capacity of ID fan	: 31,500 Am3/hr
Pneumatic damper at fan inlet	

Cleaning panel	: PLC based
Drive motor for fan	: 55 kw
Type of starter for fan motor	: Star delta
Cyclonic type spark arrester	
Discharge valve for cyclone	: gravity operated double flap valve
Ambient air damper	

### **TECHNICAL SPECIFICATION FOR DUCTING & EXHAUST DUCT**

- One set of MS ducting made of IS 2062 of 3 mm thickness, circular, trapezoidal, transition, Y branch, etc. along with flanges at every 2.5m long duct made of MS of 6-8mm thickness for two systems finished with one coat of red oxide paint, including fasteners and gaskets.
- Exhaust duct of height 14m above the fan for two systems, each of capacity 31,500Am<sup>3</sup>/hr finished with one coat of red oxide paint, including fasteners and gaskets.

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