



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद- ८२६००४
Indian Institute of Technology (Indian School of Mines)
Dhanbad -826004 (Jharkhand)

No. MME-500448-2016-17

Date: 09 February 2017

To
M/s

Sir,

Indian Institute of Technology (Indian School of Mines), Dhanbad invites quotations for the following to be supplied and delivered in MME Department.

S No	Full Description of items/ store	Qty	Rate	Amount
1	Supply, Installation and Commissioning of a Hydraulic Test Se-up (Detailed Specification is given in Annexure – I & II)	01 Set		
	Packing & Forwarding, if any			
	Freight Charge, if any			
	Installation, if any			
	CST/VAT, if any			
	Grand Total			

Tender Schedule

Particulars	Date & Time
Last date for seeking clarification/s (if any)	22.02.2017 at 3:00 P.M.
Date and time for submission of tenders	28.02.2017 at 3:00 P.M.
Date and time of opening of tenders	28.02.2017 at 4.00 P.M.

1. You are requested to quote your lowest rates for the supply of above items.
2. Clarification(s) sought after the prescribed date shall not be entertained.
3. You may send your representative in the office of the undersigned at the scheduled date and time of opening of tender.
4. Tender should be submitted in sealed cover only superscribed with Enquiry No. and due date at the following address only:

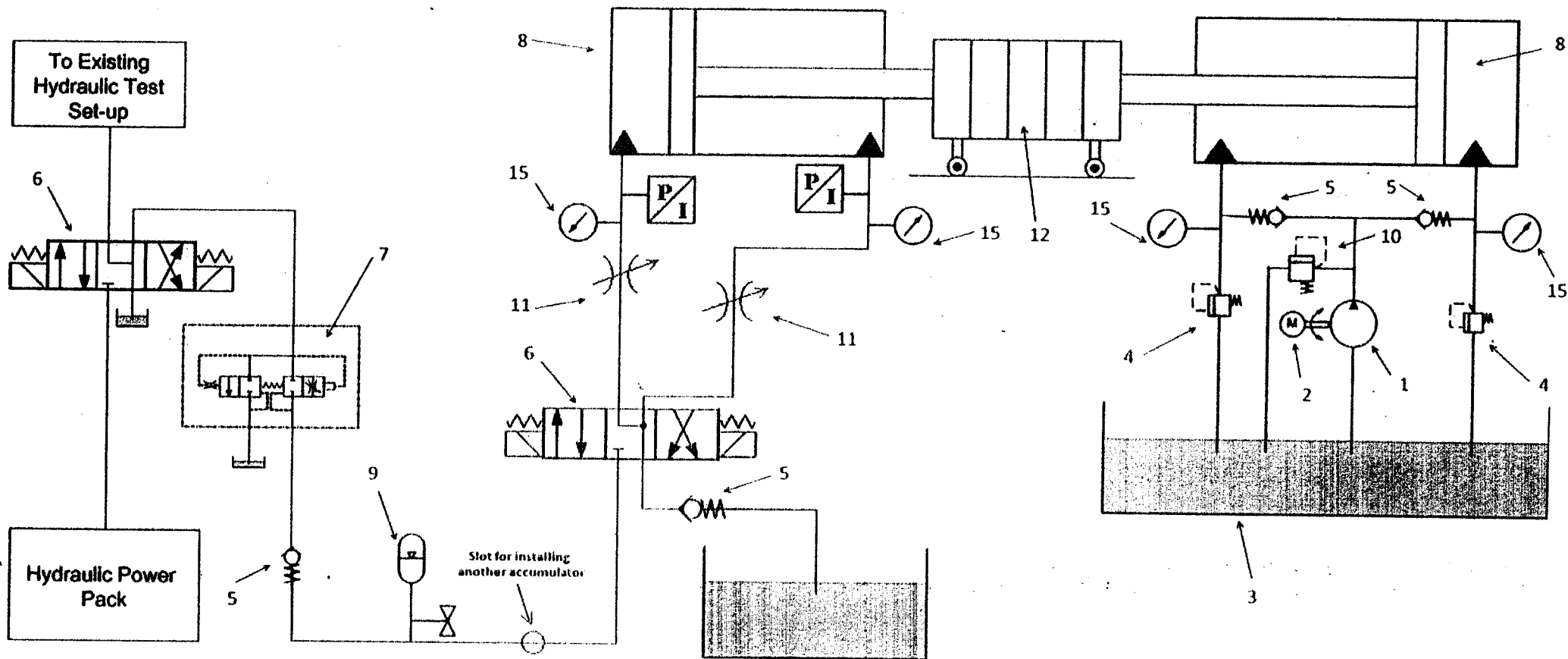
The Asst Registrar (P&S)
Indian Institute of Technology (Indian School of Mines),
Dhanbad – 826 004 Jharkhand
P: 0326-2235612
E: drps@ismdhanbad.ac.in

Terms & Conditions

- 1) Please submit authorized dealership certificate, if you are not a manufacturer.
- 2) Please mention Sales Tax, CST, VAT, TIN and PAN numbers and Bank Account Number and name of the bank/ branch in your offer.
- 3) Please indicate rate of taxes/ duties clearly. Rates quoted will be taken as inclusive of all taxes unless given separately.

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Annexure I



Circuit Diagram of the Proposed Hydraulic Test Set-up

Ajit Kumar

Annexure II

Bill of Materials

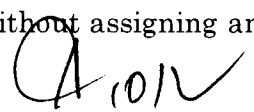
Sl. No.	Components	Qty	Specifications
01.	Gear Pump @1500 rpm	1	8 cc
02.	Induction Motor compatible with pump along with assembly	1	1 hp 3 - Φ Squirrel Cage Induction Motor
03.	Hydraulic Tank	1	40 ltrs
04.	Pressure Relief Valve	2	110 bar
05.	Non Return Valve	4	For Max Flow of 10 lpm
06.	3/4 Solenoid operated Direction Control Valve (coil voltage of all the valves = 24 V DC)	2	For Max Flow of 10 lpm
07.	Priority Flow Control Valve	1	Flow Capacity - 30 lpm (inlet), Priority Flow Setting = 10 lpm
08.	Hydraulic Cylinder	2	Bore Dia- 90 mm/ 100 mm Rod Dia - 45 mm Stroke - 450 mm/ 500 mm
09.	Bladder type Hydraulic Accumulator with safety valve and gas charging kit.	1	15 ltr
10.	Pressure Relief Valve	1	10 bar (for maintaining 2 bar of pressure)
11.	Pressure compensated Flow Control Valve	2	For Max Flow of 10 lpm
12.	Load assembly	1	The width of Structure will be around 2 Mtrs. For the Cylinders & Load cell
13.	Test Bench along with fixtures and provision for installing force sensor	1	
14.	Hydraulic hose and accessories like connectors, Hydraulic Filter, Filler Breather, Level Gauge with thermometer, Suction strainer, Drain ball valve and Anti Vibration Pad etc.	-	
15.	Pressure Gauges	4	Max. Pressure = 150 bar
16.	Electric Control Panel along with SMPS	1	
17.	Pressure Transducers	6	Model - S-10 Range - 0-160 bar (03 Nos.) 0-100 bar (03 Nos.) Voltage - 0-10 V Size - 1/4" BSP (M) Make - WIKA



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-:2:-

- 4) The rates should be quoted for each item separately.
- 5) Conditional offer will not be accepted.
- 6) **Tender Cost of Rs. 500/- (non refundable) is to be paid by way of Demand Draft drawn in favor of Registrar, ISM payable at Dhanbad. Non-submission will lead to rejection of your bid.**
- 7) IIT (ISM) does not issue any Form 'C' or 'D' towards sales tax concessional rate. Hence, full rate of sales tax/VAT applicable should be quoted.
- 8) **Educational discount**, if any, should be clearly mentioned.
- 9) You are requested to submit your quotation strictly as per the specifications mentioned in the NIT.
- 10) Further the following documents have to be furnished by the tenderers:
 - a. Self attested copies of credentials in support of capability to undertake the supply/ work.
 - b. Detailed technical specifications of equipments.
 - c. Technical literature/ catalogue alongwith offer.
 - d. Satisfactory performance certificate from their customer for same/ similar supply/ service must be enclosed alongwith the technical bid.
- 11) Your tender must be valid for **minimum 90 days** from the date of opening of tender.
- 12) Please mention warranty/ guarantee in your offer clearly. Material/ equipment to be supplied must have minimum warranty/guarantee of **12 months**.
- 13) *Each page in the bid document should be numbered properly.*
- 14) **The items/ materials shall be required to be delivered at MME Department/ Section through Purchase & Store Section, IIT (ISM) Dhanbad** at the risk and cost of the tenderer.
- 15) Unloading and installation shall be the complete responsibility of the supplier.
- 16) The stores are required to be delivered within 30 days. Late delivery may not be accepted.
- 17) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 18) A 'Compliance Statement' along with a certificate and duly signed that the tenderer satisfies the technical requirements given in ANNEXURE-I should also be submitted to facilitate early finalization of the tendering process.
- 19) **Advance payment is not admissible.** Payment shall normally be made within 3-4 weeks subject to receipt and acceptance & installation (as per Purchase Order Terms) of the ordered materials/items.
- 20) In the event date on which the tender is opened for acceptance is declared to be a holiday, the tenders shall be deemed to remain open for acceptance till the next working day.
- 21) Please send your offer by Regd.Post/ Speed Post/ Courier along with Courier receipt. Tender/ quotation will be received during IIT (ISM) working hours only (i.e. Monday to Friday). *Late or delayed tenders shall be summarily rejected.*
- 22) Any other information that you may like to obtain, you are free to contact IIT (ISM) before submission of tender.
- 23) IIT (ISM) reserves the right to accept and/or to reject any/ all tenders without assigning any reason.


Asst Registrar (P&S)

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