

EXECUTIVE ENGINEER

VISHNUPURI PUMP HOUSE DIVISION, JANGAMWADI NANDED.

PHONE NO.(02462) 260738 E-Mail : yphdn@rediffmail.com

No. VPHDN/ TS-2 /1438 / 2014

Dated : 26/06/2014

To,

Reputed experienced,
Registered Electrical Contractors.

**Subject: - Upper Manar Medium Project Limboti Tal.Loha Dist.Nanded.
Budgetary Offers for Job work of Design, Manufacture, Supply,
Erection, testing and commissioning of switchgear and control cables,
10 Sq.mm Flexible Cable of Goliath Crane.**

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Dear Sir,

With reference to the above subject, the Budgetary rates are invited by this office for the job work Mentioned above.

The detail Schedule of works (Schedule-B) Terms and conditions as well as detail Technical Specifications, Scope of work etc attached herewith.

Your offer rates may please be submitted in the form of Schedule-B only and yours offers should be reach to this Office on or before **11/7/2014** on E-Mail only.

Thanking you.

Yours faithfully'

Sd/-

Executive Engineer
Vishnupuri Pump House Division
Nanded

Copy Submitted to the Superintending Engineer Mechanical Circle, Nanded for favour of information please.

Copy forwarded to the Deputy Engineer Electrical Sub-Division Osmanabad, for information and necessary action.

Copy to Notice Board.

Savant/Ts-2/Eng G.Letters//P-75/Dt-1/7/2014.

SCOPE OF WORK

- 1) Contractor have to, Design, Manufacture, Supply, erection, testing and commissioning of complete Panel consist of Contactors of Motors for Reverse forward Motion of Motors 3 Nos, it's push buttons, overload Relays, Incomming voltmeter, 1 No Ammeters 4 Nos, 3 Phase indicating lamps, Moter ON-OFF indicating lamps, One No Incomming Main switch having adequate capacity (MCCB), HRC fuses for Incomming circuit, and indisual Motors, Four pole Aluminum Bus Bar etc complete.

- 2) Contractor have to Design, supply, erection, testing commissioning of all control and power cables from Motors to control Panel and pendent button board to control panel.

- 3) Contractor have to complete all internal panel wiring with 2.5 Sq.mm FRLS copper flexible PVC wires as wel as pendent button board.

- 4) Contractor have to Design all these Scheme circuit wiring digram, drawing, cable design details connection details, terminal block details etc. complete and prepared drawing should be approved by department.

- 5) All Final test reports should be submitted to department by contractor in Triplicate.

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Savant/Ts-2/Eng G.Letters//P-52/Dt-7/6/2013.

TECHNICAL SPECIFICATIONS

- 1) Goliath Crane have total three induction Motors having 15 H.P capacity, 3 phase, 415 volts each.

Out of three motors two motors are located at foot wheels of Crane for Long travels and one Motor for hoist purpose erected on top of crane on Crab.

- 2) For long travels Motors having reverse forward Motion to move on complete Barrage / Dam.
- 3) Hoist Motor having Lower / Raise Motion and coupled with Dram of Rope on top of Crane.
- 4) All these three motors have 6 Nos winding terminal brought out of Motors these connections to be connected gear control panel with adequate size and length of copper Un-armored cables.
- 5) Two flexible copper cables having required length and No of cores cable should be connected between pendent switch and control panel and other for panel board and cross travel Motors.
- 6) 4 Core, 10 Sq.mm copper multi stand conductor cable used for incoming for main panel to panel erected on Dam and four pin industrial Power Plug Socket Top and Bottom erected on Dam panel for 4 Core,10 Sq.mm c opper Multi-Strand copper conductor cable.

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SCHEDULE – B.

NAME OF WORK:- Job work of Design, Manufacture, Supply, Erection, testing and Commissioning of switchgear and control cables and providing and erecting 4 core, 10 Sq.mm flexible copper cable and 63 Amps four Pin(3 hase + 1 Neutral) Power plugs with top and bottom for Goliath Crane at Upper Manar Medium Project (Dam) at Limboti Tq.Loha Dist.Nanded.

Sr. No	Description of work	Qty	Unit	Rate	Amount
1	Design, Manufacture, supply, erection, testing commissioning of complete switchgear and control panel with internal wiring and cubical to be erected on Goliath Crane as per detail technical specification.	1	Job		
2	Supply, erection, testing and commissioning of all power cable and control cables having required size and length from switchgear control panel to Hoist Motors, cross travels Motors, Long travel motors and panel to pendent control switch Board.	1	Job		
3	Supply, erecting testing and commission of pendent control switch board having push buttons for all above controls of Goliath Crane and looks.	1	Job		
4	Design, Manufacture, supply erection of panel board cubical for complete switchgears, control switches Indicating lamps, Bush buttons protection Relays etc.to be erected on crane with 16 gauge CRCA sheet and adequate size, doors and Locks and other hard wares complete.	1	Job		
5	Providing and erecting 4 core, 10 Sq.mm copper Multistand conductor,flexible cable 1.1.Kv grade for Goliath Crane.	110	Mtr		
6	Providing and erecting 63 Amps 415/500 volts four pin industrial plug sockets with Top and Bottom cabinet.	3	No		
7	Providing and erecting 4 pole MCCB of 100 Amp 415 Volt capacity with S.C Rating capacity 25 KA	3	No		

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TERMS AND CONDITIONS

- 1] The rates of budgetary offers should be inclusive of all taxes, duties, Transportation Charges, erection, testing commissioning etc complete.
- 2] All necessary safety measures and precautions etc during work should be taken by the Contractor on his own risk.
- 3] For the job work required skilled staff, special tools and tackles, measuring Equipments, testing equipments etc should be arranged by the contractor.
- 4] 90% payment will be made after satisfactory completion of work and balance 10% Payment will be made after 30 days and satisfactory Performance.
- 5] Your budgetary offers should be submitted in the form of schedule of works only.
- 6] The work shall be completed within 15 days after receipt of work order.
- 7] All work shall be carried out under the direction and satisfaction of the Engineer in Charge i.e Deputy Engineer Electrical sub division Osmanabad
- 8] Rights to accept or reject the budgetary offers is reserved by the undersigned.
- 9] The working site i.e. Uppar Manar Medium Project Limboti Tq.Loha Dist Nanded is 60 Kms away from Nanded.
- 10] Payment will be made after satisfactory completion of job work and Availability of Funds to this office.
- 11] The consumable special materials like Insulation tape, Gas, Insulating warmish etc Should be supplied by the Contractor.
- 12] Contractor have to Carry out the additional Minor works if arises during the job work at his own Cost.
- 13] For Estimation Purpose Goliath Crane is available at Uppar Manar Medium Project.

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