

SCHEDULE "B"

NAME OF WORK:- SUPPLY , INSTALLATION, TESTING AND COMMISSION OF NON CLOG TYPE SUBMERCIBLE PUMP AT IIE-PANTNAGAR COMPLETE IN ALL RESPECT FOR PUMP HOUSE AT IIE-PANTNAGAR,SIIDCUL.

NIT No. - 26/SIIDCUL/2019

Date of Calling Tender: - 19.11.2019

Earnest Money (₹) :- 25,000.00

Date of Receiving Tender: - 03.12.2019

Validity Time :- 90 Days

Date of Opening Tender: - 03.12.2019

Time of Completion :- 01 Months

Cost of Tender Form: - 1000+18% GST

S.N	Particular	Qty	Rate in figure	Rate in Words
1.	SITC of Submersible pump of 30HP motor, 960RPM,suitable for solid passes of 100mm dia,05Mtrs Head with 655Cu.mtr/h, Non Clog Type, Suitable for municipal sewage, design for continuous operation in submerged/ partially submerged condition with Star Delta Starter Panel of rated capacity and 125Amp MCCB for incomer complete in all respect as per attached technical specification. F.O.R. PANTNAGAR.	01Nos		

I/we have hereby agree to quote my/our rates shown in front of Each Item.

Signature of Bidder
(With Name, Designation, & Seal)

J.E.(Electrical)
SIIDCUL

Manager(Electrical)
SIIDCUL

CONDITIONS

1. All work shall be carried out according to the Technical Specifications.
2. Inferior quality of material if brought to the site will have to be removed by the contractor at his own cost within seven days after the received orders of Engineer-in-charge.
3. Income Tax shall be deducted as per rule.
4. Any letter dispatched by registered post to the contractor at the address given by him in Schedule 'B' shall be delivered even if it is acknowledged by him.
5. Any recovery if pointed out by T.A.C. or Competent Authority shall be recovered from the contractor's bill even after bill is finally paid for inferior work.
6. The tenderer should see the site of work and get acquainted with the problems and difficulties of site of work before tendering no claim what so ever shall be entertained on account of site conditions. The Site of the work is Sewerage Pump House No.-03 at IIE-Pantnagar. Tenderer may contact Regional Office, SIIDCUL, Pantnagar.
7. No tender shall be entertained without general stamp paper Rs. 100/- Along with revenue stamp of Rs. 1.00 duly signed by the contractor regarding the validity of tender along with prescribed Affidavit.
8. A site order book shall be maintained by the Engineer-in-charge of the work in which instruction shall be given to the contractor as and when necessary. These instruction/orders shall be given to the contractor as and when necessary. These instruction/orders shall have to be signed and compiled by the contractor or his authorized representative. The entries in "Site order book" shall be treated as proper notice served upon the contractor in terms of this contract.
9. The time of completion as shown in this tender is for completion of the entire work .Contractor will be responsible himself for timely Arrangement of materials, T&P, Machinery, Labor etc. required for the completion as per progress schedule of the work.
10. The contractor whose tender is accepted will have to Deposit a security 10% of the value of tender with validity of 26months(including the period of Warranty +60days) and sign the agreement within 7 days after the contract is required to do so, failing which the earnest money deposited by him will be forfeited and acceptance shall be withdrawn. The earnest money and security shall be furnished in the form of bank FDR of scheduled bank of India as per tender notice in the favor of Managing Director , SIIDCUL, Dehradun.

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11. The contractor whose tender is accepted will have to Deposit the necessary stamp duty as per prevailing rules.
12. Conditional, Incomplete, Unsigned tenders are liable to be rejected by the Accepting Authority.
13. The contractor will have to deposit security money as per Tender Notice duly pledged in favor of Managing Director, SIIDCUL, 29,IT Park, Dehradun (Uttrakhand)
14. Only Original Equipment Manufacturer (OEM) and Authorized dealer can quote the tender.
15. The Tenderer should have their Service Center in Uttrakhand preferably in Udhamsingh Nagar District.
16. The Tenderer/Manufacturer must be registered in Income Tax & must have valid GST Registration certificate.
17. The Tenderer/Manufacturer must quote their Pan No.
18. The firm will attend minor fault within one hour and major fault within one day.
19. The staff of firm will have Good Behavior with SIIDCUL officer/Staff.
20. The court of Dehradun shall have the Exclusive Jurisdictions.
21. The warranty period of 02 years will start from the first Day of installation of the Non Clog type pump on the site and after successful completion of the work.
22. Tenderer have to download the bid document from the SIIDCUL website www.siidcul.com and shall submit the duly filled bid document with tender fees of Rs. 1180(inclusive of 18% GST) in the form of demand draft from the nationalized bank in the favor of Managing Director , SIIDCUL, Dehradun.
23. I /We have gone through all conditions specification, bill of quantity of the contract and other's to execute the above work.

Signature of Bidder
(With Name, Designation, & Seal)

Technical Specifications

1. **SUBMERSIBLE SEWAGE PUMPS Set** : Single stage, single suction pumps with overhung non-clogging impeller for use for Sewage water, Slurry water, Thick Water, Dewatering/1.05 SpGr/ 6.5 to 7.5PH/Temp 40 C Max, Heavy Slurry water(Sea water with sand / Sp.Gr.1.30/ PH 6to8 temp: Ambient.
2. **Reference Indian Standard** :- IS:5120 latest
3. **Type of Suction / Delivery (size of Solid Waste)** :- up to 100mm
4. **Motor Pump Rating** :- 30HP/22.371KW, Head 05M, Capacity 655m³/h.
5. **Material of Construction** :- Graded Casting FG260
6. **Impeller Type** :- non-clog type which allow smooth passage of solids
7. **Impeller material** :- SS/CF8M, Ss-410 / Fastner- BTH Steel,S.S.- 410/ Fastener S.S.
8. **Pump Casing Material** :- CIFG260
9. **O-Ring** :- Nitril Rubber, Mechanical Seal (motorSide) Carbon v/s Cast Cr Mo Steel, Pump Side- Sic v/s Sic/ "O" Ring - Nitril Rubber

10. **Motor Body** :- CIFG260
11. **Stage of Pump** :- Single Stage/ volute
12. **Motor Rpm** :- 960 ±10%
13. **Motor Type** :- Air Cooled dry induction Motor Squirrel Cage, Totally enclosed type squirrel cage,
14. **Motor Insulation** :- F Class Insulation/ Air Fill
15. **Phase connection** :- Three, Star - delta connection
16. **Power Supply** :- 415 Volts, 50 Hz. Ac Supply
17. **Sensor Control for Thermistor & Moisture** :-Yes

18. **Length of ISI marked submersible cable** :- 50Meters
4 core x 4 sqmm, Pvc insulated sheathed copper Conductor flexible Cable As per IS 694 latest
19. **Mechanical Seal Pump Side** :- SIC VS SIC,Ss-410 / Fastner- BTH Steel,S.S.- 410/ Fastener S.S.
20. **Mechanical Seal Motor Side** :- Carbon/ Tungsten Carbide/SS
21. **Protection** :- Protection- IP 68/ Duty S1 Continues Duty
22. **Availability of Type Test** :- Yes
Report to prove conformity of parameters to the specification from any ILAC/NABL accredited /Central Govt lab
23. **Warranty** :- 2 Years from date of installation
24. **Specification** :- 30HP motor, 960RPM,suitable for solid passes of 100mm dia,05Mtrs Head with 655m³/h, Non Clog Type, Suitable for municipal sewage, design for continuous operation in submerged/ partially submerged condition and intermittent operation complete with guide rail, anchoring bracket, base elbow ,power cable & lifting SS chain with cable and level switches, including cable lug, cable gland and extra cable required for installation as per site.

25. **Panel** :- Three Phase Fully Automatic Star Delta Starter Pump Controller in Sheet-Steel Enclosure,30-50A Range MN5 Relay, Suitable for 30HP/22.5kW 415V AC 3-Ph Motors (Motor Rating AC-3 Duty),In built ML2 with Wind band coil voltage 380V (247-418V),Pick-up Voltage 65% to 110% Uc, Drop-off Voltage 20% to 50% Uc, Single Phasing, Overload, Phase Imbalance, Phase reversal protections, Confirms to IS/IEC 60947-4-1,Typically used for protection of three phase submersible pumps applications