

ROURKELA MUNICIPAL CORPORATION

QUOTATION CALL NOTICE

No. 13701 / / 2020

Date: 17/12/20

The Commissioner, Rourkela Municipal Corporation invites sealed quotations from authorised agencies/ firms/ manufacturers/dealers/ suppliers for "sludge pump" to be fixed at Septage Treatment Plant, Balughat.

The start and end date of quotation is from 17/12/20 to 27/12/20 by 5:00 PM and will be opened on 28/12/20 at 11:30 AM in the office chamber of the undersigned in the presence of the quotationer or their authorised agents who intend to attend. The rate to be quoted shall be inclusive of installation, handling and transportation/ delivery charges (exclusive of GST). No extra cost on any account whatsoever will be admissible. Conditional quotations will be rejected immediately. The rate should be written clearly and legibly without any errors or over-writing and both in figures and in words. In case of difference of rates or any ambiguity over rates, the rate written in words will be taken into consideration. Each quotationer should furnish an EMD of Rs. 2000/- in shape of DD in favour of The Commissioner, Rourkela Municipal Corporation, along with a non-refundable DD of Rs. 500 towards paper cost, in favour of Commissioner, Rourkela Municipal Corporation, copy of Firm Registration, GST Reg., PAN card. Certificate along with copy of previous such orders and credentials issued by any Govt. Office/ Organisation in favour of him/her/them. The sealed quotations must be super scribed on the cover as "Quotation for Supply of PPE for SeTP, Rourkela". Further clarifications can be obtained from this office. The undersigned reserves the right to accept or reject any quotation without assigning any reason thereof.

Enclosure: Technical Specifications of Sludge Pump required



Deputy Commissioner
Rourkela Municipal Corporation

Date

Memo -

Copy to Notice of RMC, ADM, Rourkela, Sub collector, Rourkela, Tahsildar, Rourkela
E E, RCB, PWD for wide publication in their notice board.

Copy to MIS, RMC for uploading the same on RMC web site.



| LIQUID DATA | | PUMP DATA | | Units |
|---------------------|----------------------------------|--------------------------|--------------------------|--------------------|
| Liquid | Septage Sludge | Capacity | Normal | m ³ /hr |
| Viscosity @ P.T. | 500 cps | Differential Pressure | 2.5 | bar |
| Temperature Op/CIP | Ambient °C | Rotational Speed | 122 | rpm |
| Density | 1020 kg/m ³ | Frequency | 50 | hz |
| Solids | 10 (TDS) % | Power Required | 0.4 | kw |
| Solid Size | <7* mm | Suction Condition | Flooded | |
| Abrasion Class | No | Direction of Rotation | CCW from D.E | |
| Vapour Pressure | NA bar | Sliding Velocity (ygm) | 0.35 | m/s |
| NPSH (a) | NA m/c | NPSH (r) | 1.65 | m/c |
| PH Value | Neutral | | | |
| MATERIAL | | PUMP CONSTRUCTION | | |
| Pump Housing | Cast Iron | Suction Flange | DN65,PN16 | |
| Rotating Parts | SS316 | Discharge Flange | DN65,PN16 | Vertical |
| Rotor | SS316 VCP-40deg | Suction Orientation | | Horizontal |
| Stator | NEMOLAST@S62L | Discharge Orientation | | B Joint |
| Shaft Seal | Gland Packing | Joint Type | | |
| Seal Plan / Scope | Not Applicable | CIP Size/Orientation | No | No |
| SM Pin Joint Seal | S65L | Counter Piece-SMS/TC | | No |
| O " Rings | S65L | Inspection Port | | No |
| Lantern | Cast Iron | Specific Standards | Not applicable | |
| Base Plate | Mild Steel | Special Certifications | Not Applicable | |
| DRIVE | | ASSEMBLY | | |
| Type | Geared Motor (Helical) | Construction | Block Construction | |
| Make-G./B/Motor | Nord | Coupling Type | Block with Plug-in Shaft | |
| Efficiency Class | IE-2 | Coupling Guard | Not Applicable | |
| Model No | SK01F-AL-90LH/4TF | Paint | Standard-RAL 7031 | |
| Motor Pole | 4 | ADDITIONAL ACCESSORIES | | |
| Rated Power (KW) | 1.5 | Dry Running Protection | Yes-NFLP (Temp.Switch) | |
| Speed-RPM G.R | 122 | Control Panel for STP-2A | | Yes |
| Supply | 415 ± 5%/3Ph/50± 5 % | Pressure Relief Valve | | No |
| Mounting-G./B/Motor | B5-Flange | Variable Frequency Drive | Yes-1.5KW | No |
| Motor Enclosure | IP-55 | Over Pressure Protector | | No |
| Insulation Class | F -Temp. rise limited to Class B | Foundation Bolts | | Yes |
| Area Classification | Safe Zone | Counter Flange | | Yes |
| Amb-Temperature | 40 | S.S Stator Bolts | | No |

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