



GOVERNMENT OF SINDH
COAL & ENERGY DEVELOPMENT DEPARTMENT
UNDERGROUND COAL GASIFICATION PROJECT THAR
ISLAMKOT, DIST: MITHI SINDH



No. UCG/Tender/Mech-192/2014

May 31, 2014

Tender Documents
Submersible Bore Hole Pumps

UCG Thar Project is interested to purchase the subject items on FOR UCG Site basis (Islamkot). Details are as per Schedule Annexure-'A' and technical specifications as per Annexure-'B'. Terms and conditions are given below:

01. Blank tender forms can be collected from the Procurement Officer, UCG Project Thar, up to **17-06-2014** during office hours after depositing the tender fee amounting to **Rs.500/- (Non Refundable)** in the shape of pay order in favor of Accounts Officer, UCG Thar Project, Islamkot. Tender documents can also be obtained through email by submitting scanned copy of Bank Draft/ Pay Order however its original should accompany the tender otherwise bid will not be considered.

02. The tenders will be received back up to **18-06-2014 at 1400 Hrs**, Technical offers will be opened at **1500 Hrs** and financial offers will be opened at **1600 Hrs** at the same day, in the presence of Purchase Committee and the bidders or their authorized representatives who wish to be present.

03. The bid package must consist of **two sealed envelopes**:

- First envelope marked: **"UCG/Tender/Mech-192/2014 TECHNICAL OFFER"** should contain the technical documentation and technical specifications with references, statements, literature, drawings, as appropriate. An un-priced financial offer shall be made part of the technical offer.
- Second envelope marked: **"UCG/Mech-192/2014 FINANCIAL OFFER"** should contain a financial offer and 2% of total cost of the bid as earnest money in shape of Bank Draft / Pay Order in favor of Accounts Officer UCG Thar.

Note that:

- **No prices** to be shown in first envelope.
- Second envelope should contain **prices only**, with no reservations.
- Failing to submit two envelopes or omitting any of the requested information will lead automatically to the **rejection of the bid**.
- Envelopes shall be opened in the same sequence as request.
- The evaluation of any company shall not be continued in case they fail to meet the criteria of the envelope requirements.
- Each envelope should be **clearly marked** with the bidder's company name.
- If additional information or technical details are needed, please contact:

Mr. Zafarullah, Junior Engineer (Mechanical)
Underground Coal Gasification Project Thar
Pakistan's. Tel: 92-232 923036
Mob: 0346-8940621
E-mail: ucgthar@gmail.com

04. Bid Security amounting to 2% of Bid Price should be submitted along with the Bid in shape of Pay Order in favor of Accounts Officer, UCG Thar Project, issued by any scheduled Bank of Pakistan.

05. The bid security will be forfeited to the Government, if the bidder withdraws his bid after opening and before the expiry of the bid validity period or fails to sign the contract if the bid is accepted.

06. Amount of the tender is below Rs.1 Million.

07. Conditional tender and tender without bid security shall not be considered.

08. Delivery Time will be 30 days (max.) starting after the issuance of supply order.

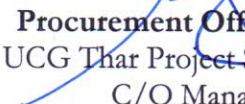
09. GST/Income Tax Exemption Certificates, as the case may be, must be accompanied with the tender.

10. Receipt of bid/ tender after due time and date will not be accepted.

11. Only manufacturers or authorized dealers can participate with current/ valid authorization certification.

12. The procuring agency may amend quantities / reject all or any bid at any time prior to the acceptance of a bid or proposal, subject to the relevant provision of SPPRA Rules 2010.

13. Only sealed quotations duly stamped are accepted. Tender envelope should bear the tender No. UCG/Tender/Mech-192/2014 and Tender for Submersible Bore Hole Pumps.


Procurement Officer
UCG Thar Project Site,
C/O Manager,
National Bank of Pakistan
Islamkot.
Ph: 0232-923008
Cell: 0342-1220408
Email: poucgtar@gmail.com

SCHEDULE TO TENDER

I/T No.

UCG/Mech-192/2014

3. Time and Date of Technical Bid Opening at 1500 hrs on 18-06-2014
 4. Time and Date of Financial Bid Opening at 1600 hrs on 18-06-2014

S No	Description	Unit	Qty
01.	<u>Submersible Bore Hole Pump (For Dewatering wells)</u> Discharge Flow: 10 ~ 15m ³ /hr or 60 gpm Bore hole Diameter: 200 mm Pump body diameter 155 mm (max) Pump motor size (dia) 155mm (max) Motor Rating 20 HP (minimum) Type of Pump : Multistage(Centrifugal) Delivery Connection 50 to 60mm Head: 200 meter Pumped medium Temperature 60 ^o c (max)	Nos.	02

A. Materials of construction for submersible bore hole Pump

Submersible borehole pumps must be multistage (at least 20 stages) centrifugal pump for vertical installation. Intermediate bearing in every stage. Integrated easy-to-remove anti-jam non-return valve. Suction strainer, drive lantern and valve body (all stainless steel 304L or equivalent).

Pumped medium	Brackish Water
Design according to standard for	brackish water
Flange connection	Round flange
Non return valve	with
Pump body Material	Stainless steel 304L
Impeller Material	Stainless steel 304L
Pump shaft Material	Stainless steel 304L
Orientation	Vertical
Performance Test	Yes
Make	KSB / Grundfos/ Pedrollo/ SubTeck or any European make.

Technical Specifications

Specifications of Motor for submersible pumps along with Cable its starting mode and allied materials

Pre- filled submersible motor. Three-phase squirrel cage motor with self-aligning thrust bearing and adequately sized expansion diaphragm for pressure equalization. Design in compliance with VDE standards.

Motor Specification

Frequency	50 Hz
Operating voltage	400 V
Water Temperature	60 ^o c (max)
Make	KSB/Siemens/ABB or any European make.

Motor Cable Material/Size/Length

The material of motor cable is PVC / PVC, Copper conductor flexible and size as per design of motor. The length of cable required for each motor is 225 meter.

Motor Starting Mode

Starting panel with complete specification i.e. breaker, magnetic contactor, over load relay, phase sequence relay, volt and ammeter with selector switch, dry running protection or others protection suggested by manufacturer. All components shall be of Siemens, Schneider or European make etc.

Quality of Water to be Pumped

- 1) Water Type = Brackish
- 2) TDS = 7000 to 8000 ppm
- 3) PH = 7.0 to 8
- 4) Total hardness = 600 to 700 ppm
- 5) Turbidity = 5 NTU
- 6) Chloride = 2000 to 2500 ppm
- 7) Sand/coal particles in water = 50-100g/liter (sand particles are pre dominant).

