

दीनदयाल पोर्ट प्राधिकरण
DEENDAYAL PORT AUTHORITY



Office of the Superintending Engineer (PL),
Pipeline Division,
Administrative Office Building
Post Box No. 50, Gandhidham-Kachchh
Email: seplkpt@gmail.com
www.deendayalport.gov.in

No: PL/WK/8479-Pt./

Date: 23/02/2023

To,

Expression of Interest.

Sub:- Providing and laying Additional 450 mm Dia DI Express water supply pipeline at Kandla.

Sir,

Deendayal Port Authority intends to carry out the subject work of Pipeline Division of Civil Engineering Department.

Kindly submit your Expression of Interest along with budgetary – offer for the items considered in preparation of the estimate under Annexure-I.

The rates quoted must be inclusive of all taxes, duties for performing scope of work & exclusive of GST. The GST applicable shall be shown separately, which shall not be considered for evaluation purposes.

Your expression of interest along with budgetary quotation for the above work should reach to the following address on or before 02/03/2023 by 15:00 Hrs.

Address:-

Office of the Superintending Engineer (PL),
Pipeline Division, Administrative Office Building,
Ground floor, Annexe,
P.O. Box No. 50, Gandhidham – Kachchh.
Phone No. (02836) 220009.

Thanking you,

Yours faithfully,

23/2/23
Superintending Engineer (PL)
Deendayal Port Authority

PIPELINE DIVISION

BUDGETARY OFFER

Sr. No.	Description	Unit	Qty.	Rate
1.	Providing and fixing valves of rising stem, out side scew & yoke , Bolted Ronnet , Renewable seat ring, hand wheel operated, body & Bonnet ASTM A105, Trim stellited, Stem 13 Cr SteelMfg Std. 598 complete with bolts, nuts, rubber insertions etc. (A) 450 mm Dia Class-I	Each	6.00	
	(B) 250 mm Dia Class-I	Each	10.00	
2.	Supply of 60 HP, 3 phases, 50 Hz, operating voltage 415 Volt, Head 40Mtrs, Flow 200 M3/Hrs, pump out let 10" centrifugal Motor Pump set along with Digital Control Panel, Star delta,over current, Under Current ,Dry Run, Moisture Protection as per Tech. Spec. No:-01 including with the 20 Mtrs MS pipe line as per Required DIA for pump. Complete as directed by engineer in charge.	Per Set	6.00	
3.	Installation, Testing & commissioning of 60 HP, 3 phase, 50 Hz, operating voltage 415 Volt, Head 40Mtrs, Flow 200 M3/Hrs, pump out let 10" centrifugal Motor Pump set along with Digital Control Panel, Star delta,over current, Under Current ,Dry Run, Moisture Protection Submersible Motor Pump set along with Control Panel as per Tech. Spec. No:-02 including with the 20 Mtrs MS pipe line as per Required DIA for pump. Complete as directed by engineer in charge.	Per Job	6.00	
4.	Preparation earthing station, chemical treated back filled compound earthing system with Pipe-In-Pipe 50 mm Dia GI type 3 Mtr Depth, Maintenance free as per Technical Specification No. 03	Per Job	6.00	

Superintending Engineer (PL)
Deendayal Port Authority

TECHNICAL SPECIFICATION

Technical Specification No. 1

This includes supply of 60 HP, 50 Hz, Cast Iron made centrifugal Motor Pump set , along with suitable control panel , for using the water supply purpose , the salient feature of centrifugal Motor Pump as under.

- Power Rating: - 60 HP.
- KW :- 45 KW.
- Operating Voltage: - 3 Phase, 415 Volt.
- Frequency :- 50 Hz.
- Impeller should be Bronze Gr. LTB/2, 20% Glass filled Noryl & diffuset 20% Glass filled Noryl.
- Pump Bowl shall be high grade cast iron.
- Motor casing shall be stainless steel.
- Pump shaft shall be stainless steel.
- Motor shaft shall be stainless steel.
- High quality dynamically balanced LTB Impellers Special LTB and nitrile rubber bearing bushes for high wear resistance.
- Longer Life Bowls of high-grade cast iron to ensure longer life.
- Built in NRV with minimum friction.
- 25.7 KW Motor shall be Squirrel cage motor of water-cooled, designed for 350 - 440 V, 50 Hz, AC power supply.
- Stainless steel stator shell to prevent rust formation.
- Bearing shall be designed specially carbon thrust bearing.
- High quality seal rings and sand guards to protect motor from sand entry.
- High quality water-resistant polymer insulated wires for longer life even under adverse voltage conditions.
- Pressure diaphragm to compensate excess pressure due to heating up of filled water.
- Confirming to IS for Motor & Pump.
- Make: - Grundfos, ebara, wilo, Lubi, Texmo, Kirloshkar.

The works also include with supply of 60 HP, 50 Hz, Cast Iron made centrifugal Motor Pump set , along with all required accessories i.e. inlet /outlet pipe with valve , with rating flat copper cable (4CX6sq.mm flat) up to 50 Mtr & control panel with soft starter. The control panel shall be accomplish with change over switch (suitable rating to facilitate to operate the pump in alternate manner), limit switch, MPCB, contactor, soft starter Time switch, MCB (for I/P & O/P Ckt) etc. complete with copper flexible wiring in all respect, the control panel shall be as per IS standard, shall be made CRCA sheet at least 2mm thickness double door , separate internal compartment , paint shall on control panel simens grey with seven tank process. Suitable mounted in floor. Control panel Test report should be tested as per IS norms, same shall be submit along with drawing for approval. The rate shall inclusive of all taxes (excluded GST), duties, packing, forwarding, insurance, and transportation and unloading at site of work etc. before

dispatch the centrifugal firm shall take approval of make, drawing along with all relevant Test Certificates.

Technical Specification No. 2

Installation testing & commissioning of supplied 60 HP, 50 Hz, Cast Iron made centrifugal Motor Pump set & control panel at pumping station with providing suitable foundation Kandla. the works include with supply & laying in Cable tray (FRP tray Qty:- 100 Mtr) 4CX 70 sq.mm XLPE armored power cable (100 Mtr) from main switchboard to control panel I/p , & flat copper cable 3C X 6 sq.mm (50 Mtr) control panel O/p in concealed oval pipe to centrifugal Motor Pump set, lugging /termination/glanding works in contractor scope. This includes all labour & material with ancillary works, complete commissioning of pump set & as directed by Engineer-in-Charge.

Technical Specification No. 3

This includes preparation of earth station with chemical treated back filled compound 50 mm diameter Pipe In Pipe GI Type 2 Meter Depth , Maintenance free including all accessories & Masonry work Enclosure with cover plate.

A cement concrete (ratio 1:4:8) chamber of at least 30 Cm. x 30 Cm. shall be provided just below the surface of ground over the funnel for watering and having RCC/CI cover of suitable size as directed. This also includes removal of extra-excavated earth from the site. The work shall be carried out to entire satisfaction of Engineer-in-charge. This work includes all labour and material as directed by Engineer-in-Charge. The works also include earthing value marking & painting on earth strips & earthing station by suitable paints (Green Color on Strips) and also mentioned the earth value on earth pits.

The works include providing & fixing the following size 8 SWG Cooper wire. (Qty: 50 Mtr) from earth station to equipment or as per site equipment. The complete work consists necessary wiring connections and earth linking at both the ends with all materials and labour as directed by Engineer-in-charge.