



KARACHI ELECTRIC SUPPLY COMPANY  
TENDER NOTICE

Karachi Electricity Supply Company Ltd. the utility responsible for Generation, Transmission & Distribution of Electricity to Karachi and its adjoining areas, hereby invites sealed tenders for the procurement / supply as per details given below:

Phase Note Collecting Tender Timing as Follows:

Monday 09:00 AM to 03:00 PM  
Friday 10:00 AM to 03:00 PM  
PROCUREMENT OF MOTOR, COP, SUBMERGIBLE  
FORM 1400000464, FC/000, L/COP Tender Code No. 2020/ To be Opened on 07.08.2017

SR. #	MSC MATERIAL CODE	ITEM DESCRIPTION	QTY	UNIT
1	10104237	MOTOR, CHILLER SW (3PH, 0.22kW, 3150RPM) Motor-Chiller Sw-160KW-14039PA-315L-V1 3 Phase Induction Motor Frame: 315L315-4-V1 Mounting: IM V1 No. of poles: 04 DE bearing: N2213C3 NDE bearing: 7310 Input: 220V/50HZ Ingress Protection: IP55 Rating: Continuous (S) Insulation: F (155C) Cooling: IC411 Rated Voltage: 400V (Delta Connection) Rated Frequency: 50Hz Efficiency: 85.8% Power Factor: 0.89 Full load current: 271A Full load speed: 1450rpm Make: KSEB Pumpa Company Limited or Equivalent	1	EA
2	10104272	PUMP, SUBMERGIBLE, KHT780-250.0B-41, MS/Phump, Submersible/WP702 PH, 98.43m <sup>3</sup> /h Part Number KHT780-250/74UC-2, Make KSEB or equivalent Pump Type KST Flow rate: 98.43 m <sup>3</sup> /h (Nominal) Head: 21.15 m Impeller Type F (Front Impeller) Head: 1.28 m Ambient air temperature 32°C Inlet fluid temperature: 24.2°C Inlet fluid viscosity: 1027 kg/m <sup>3</sup> Inlet fluid viscosity: 0.95 mm <sup>2</sup> /s Close-coupled submersible discharge flange pump according to IS 8013: 2004 IM 3P, 22 / Inlet according to IS 1002-2 shaft seal: 2 mech. seals in tandem arrangement with oil reservoir impeller diameter: 240.0 mm Free passage size: 70.0 mm Direction of rotation from drive: Clockwise Hydraulic Dimension: 60-260 Efficiency: 54.5 % Motor size: 7 (17.5 kW) Number of poles: 4 Speed: 1447 rpm Motor version U (Standard motor, non explosion-proof) Motor version C2 (pump in contact with the media of duplex stainless steel, mechanical seal with covered spring, shaft size: A 102 F52 and Motor cable insulation Type 5 (Stationary wet-well installation without cooling jacket) 30m cable length Performance report should be submitted	1	EA
3	10104266	MOTOR, 3PH, 110V/230V, 1400RPM Motor, Chiller Expositor 320W, 1155, B3 3 phase squirrel cage induction motor Type: 3M3155-4 Frame: IM3155 Mounting: IM B3 Cooling: IC411 Application: Pump Ingress protection: IP55 Rated Output: 0.22kW Duty: S1 Voltage: 380V Frequency: 50Hz Full load speed: 1450rpm Full load current: 3.67A Full load efficiency: 91.5% Full load power factor: 0.88 Insulation class: F Starting current: 6.8 times rated Current Ambient temperature: 50C Applicable standards: IEC 32 - I EC 72 M (see 1000) Motor or equivalent Performance test report should be submitted	1	EA
4	10104287	MOTOR, 3PH, 3 PH, IP 100L/20, 2900RPM Motor, 3701 Ball Bearing, 4kW, 100L, B3 3 phase squirrel cage induction motor Make: HEBU or equivalent Code: 32001 motor/3709992 Type: IP 100L/20 Mounting: IM B3 Cooling: IC411 Power: 3.7kW Frequency: 50Hz Voltage: 220/240V Rated Current: (Delta/star) 10.8/6.25A Power factor 0.83 Applicable standard: IEC/EN 60034 Full load speed: 2900rpm Insulation Class: F Ingress protection: IP55 Efficiency Class: IE2 Efficiency: 84.6%	1	EA
5	10104268	MOTOR, 4KW, 3PH, 110V/230V, 1400RPM Motor, 3702 Ball Bearing, 4kW, 112M, B5 3 phase squirrel cage induction motor Make: SEKOMBO or equivalent Code: 1101110A4312 1076/207205 01 006 IEC/EN 60034 Main: 45kg Mounting: IM B55 Cooling: IC411 Frame: 112M Ingress Protection: IP55 Ambient: -20C to 55C Insulation Class: F155C Frequency: 50Hz Voltage (Delta/Star): 400/600V Rated Power: 4.0kW Current (Delta/Star): 8.2/4.75A Rated power factor: 0.83 Rated Full Load Speed: 1440rpm Rated Voltage: 380V/400V/420V Vw: 660/720V Rated Current Tolerances: Delta: 6.40 & 3.0A/ 8.0 & 4.0A Efficiency Class: IE2 Efficiency: 85.5%	1	EA
6	10104269	MOTOR, 5.5KW, 3PH, 110V/230V, 1400RPM Motor, 3703 Luber Oil, 4kW, 112M, V1 3 phase squirrel cage induction motor Make: Luma Sinter or Equivalent Code: 15131313UC Mounting: IM V1 Insulation Class: F155C Cooling: IC411 DE bearing: 6208-2Z/C3 NDE bearing: 6206-2Z/C3 Voltage (Delta/Star): 230/400V Current (Delta/Star): 22.5A/12.9A Frequency: 50Hz Power: 5.5kW Full load speed: 1455 rpm Power factor: 0.76 Duty: S1 Efficiency Class: IE2 Efficiency: 87.7%	1	EA
7	10104270	MOTOR, 4KW, 3PH, 110V/230V, 1420RPM Motor, 3702 Luber Oil, 4kW, 112M, V1 3 phase squirrel cage induction motor Make: Luma Sinter or Equivalent Code: 151313UC Efficiency Class: IE2 Efficiency: 86.6% Frame: 112M No. 87/12 IC 003 Mounting: IM V1 Ingress Protection: IP55 Insulation Class: F (155C) Ambient: 40C Cooling: IC411 Duty: S1 (continuous) Main: 20kg Voltage (Vp/Us): 380/230V Current (Ip/Us): 9.2/5.3A Power Factor (Wye/Delta): 0.83/0.79A Rated Power: 4.0kW Full Load Speed: 1415 - 1425 rpm	1	EA
8	10104271	MOTOR, 3.7KW, 3PH, 110V/230V, 2950RPM Motor, 3701 Gland Sealing, 3.7kW, 112M, B3 3 phase squirrel cage induction motor Make: SEKOMBO or equivalent Code: 11010110A12344-1, 101311110034-001-001 Applicable Standards: IEC/EN 60034 Mounting: IM B3 Frame size: 112M Ingress Protection: IP55 Cooling: IC411 Main: 27kg Insulation Class: F155C Ambient: 20C to 50C DE bearing: 6206-2Z/C3 NDE bearing: 6206-2Z/C3 Duty: S1 (continuous) Voltage: (Delta/Wye) 230/400 V Current: (Delta/Wye) 12.8/7.1 A Rated Power: 3.7kW Power Factor: 0.85 Efficiency: 85.5% Efficiency class: IE2 Full Load Speed: 2950rpm Frequency: 50 Hz	1	EA
9	1008563	BLOWER, 37 GLAND CONDENSER 37 Gland Condenser Fan Blower Complete Set fan with motor Speed: 0.7 KW, 50Hz, 2760/min 300-300(7) BA(Delta) 140-45(7) BA(WYE) 105 to 120 mbar Working Fluid: Steam Make: BUZCH made in Germany	1	EA

Please quote with amount in minimum of each item.  
Payment Term: Delivery Period: Validation: 300 Days  
Incoterms: Ex-works / FOB / FOB Plant Site  
QUOTATION WILL NOT BE ACCEPTED AFTER THE GIVEN DEADLINE DATE

Tender document containing detailed scope of work, terms and conditions may be obtained on payment of tender fee (non-refundable) from the undersigned.  
KESC reserves the right to reject any or all the bids and to award the bidding process at any time without thereby incurring any liability to the affected bidder or any obligation to return the affected bid/amount.

Note:  
- Quote with the reference of the RFQ serial number and mention specs accordingly  
- Detailed relevant technical literature (English) must be submitted with bid.  
- Quote original make & origin of all above items.  
- Incomplete quotations shall not be considered for technical evaluation.  
- Vendor interested to participate in the above tender must obtain B2B by purchasing the tender document from 1st Floor, CTR Building, Fawcett Road, Procurement Division.

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