



PUNJAB INDUSTRIAL ESTATES DEVELOPMENT AND MANAGEMENT COMPANY

Request for Quotation

Sub: REQUEST FOR QUOTATION (RFQ) FOR PROCUREMENT OF 3-PHASE DIGITAL POWER ANALYZER FOR ENERGY METERS AND 10 KV INSULATION RESISTANCE TESTER FOR BHALWAL INDUSTRIAL ESTATE

Punjab Industrial Estates Development and Management Company (PIEDMC) was set up under section 42 of Companies Ordinance 1984 (Now Companies Act 2017) established by Govt. of the Punjab, to facilitate the industrial growth of Punjab..

PIEDMC intends to procure Electrical Equipment as per list below and specification attached:

Sr. No.	Description	Unit	Qty	Rate (PKR)	Amount (PKR)	Brand Offered
1	3-PHASE DIGITAL POWER ANALYZER FOR ENERGY METERS: Supply of 3-Phase Digital Power Analyzer for Energy Meter Testing Accuracy Class 0.1 with Standard Accessories and 6000A Flexible Current Sensors as per specifications attached	No	1			
2	INSULATION TESTER: Supply of Insulation Resistance Tester 10kV as per specifications attached	No	1			
TOTAL (Rs.) Including All Taxes						

Please follow the instructions /conditions given below:

1. Supplier must be registered with FBR for Income Tax / Sales Tax.
2. The quotation should be sealed accompanied bid security of Rs. 44,000/- in shape of Bank Guarantee /Pay Order/ Demand Draft / CDR from Scheduled Bank in Pakistan in Favor of PIEDMC. Bid Security will be released on supply of all the tools / equipment.
3. All procurement will be carried out as per PPRA rules 2014(amended up to date) Single Stage One Envelop procedure and Purchase Order will be issued to the lowest evaluated responsive bidder.
4. The product offered must meet all of the specifications attached with this RFQ failing which quotation will stand non-responsive. Documentary evidence for the fulfillment of above specifications must be attached with the quotation
5. Your quotation must be valid for minimum 120 days from bid opening date.
6. Delivery Schedule should be attached with quotation and shall not more than One (01) month from the date of issuance of Purchase Order.
7. The price should be inclusive of all taxes, G.S.T and other levies applicable under law of Pakistan.
8. Supply, at PIEDMC Site office Bhalwal Industrial Estate Bhalwal is sole responsibility of supplier. Moreover, supply will be rejected if not received as per specification.
9. In case of delay in completion of works against given/decided schedule 0.5% of final bid /day will be charged as liquidity damage and maximum up to 10% of Purchase Order amount.
10. Payment shall be made to the supplier through cross cheque / Pay Order as per mode given below.



Head Office: Commercial Area (North) Sundar Industrial Estate, Raiwind Road, Lahore.

Tel: 042-35297203-6, Fax: 042-35297207

Website: www.pie.com.pk

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- a) 95% on full delivery at site after acceptance note, Payment invoice will be submitted with documents i.e. Warranty Certificate, Inspection certificate, Certificate of origin, Acceptance Note.
 - b) 05% after completion of warranty period/minimum one year.
11. Sealed quotations must be received on or before **24th June, 2021**, by **1100 hours** and will be opened on same day at **1130 Hrs.** publically at PIEDMC Head Office Sunder Industrial Estate, Sundar-Rai-wind Road Lahore. Final Evaluated Lowest Responsive Bidder will be announced after the detail evaluation.



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SPECIFICATIONS

3-Phase Digital Power Analyzer For Energy Meter Testing Class 0.1 Technical Specifications		
Sr. No.	Description	Required
a	Make	EU/UK/USA
b	Accuracy	
(i)	Apparent Power	Min 0.1%
(ii)	Active Power	Min 0.1%
(iii)	Reactive Power	Min 0.1%
(iv)	Frequency	Min 0.1Hz
c	Voltage Range	0-600V
d	Current Range	20A/120 A/240 A Current Clamp and 6000 A (Flexible Current Sensor)
e	Power Factor	-1 < 0 < 1
f	Power Source	<ul style="list-style-type: none"> • Internal Battery (Rechargeable) • Power Adaptor 240Vac and 12Vdc • From Car Outlet 12Vdc
g	Applicable Standards	<ul style="list-style-type: none"> • IEC 60736 • IEC 62056-21 • IEC 61010-2-032 • 1-phase 2-wire
h	Input Circuits	<ul style="list-style-type: none"> • 1-phase 3-wire and 2-phase • 3-phase 3-wire / 4-wire
i	Display	Color Graphic Display
j	Interface	<ul style="list-style-type: none"> • USB Cable • Optical Sensor
k	Measured Quantities	<ul style="list-style-type: none"> • Voltage, Current; • Active, Reactive and Apparent Power; • Active, Reactive and Apparent Energy, Power Factor, Phase Angle, Frequency, Distortion; • Active Power of Harmonics; Burden, phase and transformation ratio of current and voltage transformers
l	Degree of Protection	IP 67 (Transport Case)
m	Accessories	All Standard Accessories, 6000A Flexible Current Probe, USB Cable, Software for PC (Installation USB key)
n	Should have been provided to WAPDA/DISCOs earlier	
o	Pre-Delivery Inspection and Operation Training of equipment shall be provided.	



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Digital Insulation Resistance Tester 10kV Specifications		
Sr. No.	Description	Required
a	LCD Display	Digital
b	Make:	EU/UK/USA.
c	Test Voltage:	up to 10,000V in steps.
d	Resistance Range:	10kΩ to 20TΩ @ 10 kV.
f	Accuracy (20 °C)	10 kV 5000V 2500V 1000V 500 V ±5% from 1MΩ to 2TΩ 1TΩ 500GΩ 200GΩ 100 GΩ ±20% from 1MΩ to 20TΩ 10TΩ 5TΩ 2TΩ 1TΩ
g	Max. Output voltage:	10 kV
h	Max. Resistance:	20 TΩ
i	Accuracy from 1 MΩ to	±5% ≤ 2 TΩ ±20% to 20 TΩ
j	Safety rating (to max. altitude):	CAT IV 600 V
k	Max. Altitude:	1000 m
l	Battery charge (Time): .	2 hrs
m	Battery life single charge:	3 hrs.
n	USB interface:	Yes
o	On-board memory:	Yes
p	Temperature value stored:	Yes
q	Time / date stamped results:	Yes
r	Digital / analogue display:	Yes
s	Display backlight:	Yes
t	Voltage output measurement:	Yes
u	Dedicated voltmeter:	Yes
v	Default voltmeter function:	Yes
w	Included Accessories:	a) Power lead
		b) USB cable
		c) Product information and Software CD
		d) lead set x 3, large insulated clips
		e) Portable Transport case.



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