## **Bid Evaluation Report**

- 1. Name of Procuring Agency: Monitoring & Evaluation Cell (MEC), P&D Department
- 2. Tender Reference No: Tender No. AD(A&A)/52(MEC)/P&D/2023/-
- 3. Tender Description/Name of work/item: Procurement of Monitoring Equipment.
- 4. **Method of Procurement:** Open Competitive Bidding (National Competitive Bidding) (Single Stage Two Envelope)
- 5. Tender Published:

PPMS NIT ID: T00856-22-0003

Daily Kawish dated: 04.05.23 & 20.05.23 Daily Jang dated: 04.05.23 & 20.05.23 Daily Dawn dated: 04.05.23 & 20.05.23

- 6. Total Bid documents Sold: 02
- 7. Total Bids Received: Two (02)
- 8. Technical Bid Opening date: 26-05-2023
- 9. No. of Bids technically qualified: Two (02)
- 10. Bids Rejected: None Commission Commissio
- 11. Financial Bid Opening date: 30-05-2023



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Page 1 of 2

### 12. Bid Evaluation Report:

S No	Name of Firm or Bidder	Cost offered by the Bidder	Rate after arithmetical checking	Ranking in terms of cost	Comparison with Estimated cost	Reason for acceptance/rejection	Remarks
0	1	2		3	4	5	6
1.	Asif & Company, Karachi	233,729,926.34/-	233,729,926.34/-	1st	Firm's bid is above the approved budgetary allocation but it is within 15% excess over AA (Rule 11.1.2 Regulation For Procurement of Works)	Accepted being the Mo Advantageous bidder in Items	
2	Al-Meo Builders & Developers, Karachi	274,744,821.83/-	274,564,871.8	2 <sup>nd</sup>	-	Not Accepted. Firm has high price	quoted

Signatures of the Members of the Committee

Mosarrat Mokhtar

Deputy Director (Inspection) Industries & Commerce Department Member

**Procurement Committee** 

MUSARRAT MOKHTAR
Deputy Director (Inspection) Industries & Commerce Department Government of Sindh

Ghulam Hassan Bughio Deputy Director(A&A)

MEC, Planning & Development Department

Chairman

**Procurement Committee** 

Government of Sindh Karachi

Monitoring & Evaluation Cell Flanning & Development Department

Aurangzeb Vistro RMEO Karachi Region MEC, Planning & Development Department Member /Secretary Procurement Committee

ENGR. AURANGZEB VISTRO

Regional Monitoring & Evaluation Officer (MEC) Plaining & Development Department Government of Sindh Karachi

# COMPARATIVE STATEMENT (FINANCIAL)

ADP NAME & NO. "Strengthening & Capacity Building of Regional Offices of M&E Cell at Hyderabad & Sukkur (ADP # 2632) **Tender Name:** Procurement of Monitororing Equipment **Tender No:** AD(A&A)/52(MEC)/P&D/2023/-

Opening Date: 30-May-2023

2	-	Sr#	
WIRELESS CRACK WIDTH GAUGE	Drones	Item Detail	
4	4	Qty	
Each	Each	Per Unit	As po
Wireless crack width gauge is used to measure the width of cracks such as bridges, tunnels, towers, buildings, concrete components, pavement, metal components and so on. The Wiress crack width gauge uses modern electronic imaging technology to image the original structure on the tablet computer and automatically read out the real and reliable crack width data through high precision scale on screen Specification  Host parameters: Android system tablet Test scope: 0~10 mm  Measurement accuracy: 0.01mm  Magnification: Digital 60 times Width Detection: stand by Storage capacity: 32G(expandable) Data transmission mode: Wireless cloud transmission(optional)  Probe powder supply mode: Built-in rechargeable lithium battery Operational mode: Touch screen +shortcut Connection mode: Wiff Interpretation method: Automatic interpretation/ manual interpretation	Main features of the Product  Specifications Performance  I" 20MP CMOS Sensor  Gimbal-Stabilized 4K 60/20MP Imaging  Flight Autonomy with Redundant Sensors  Four Directions of Obstacle Avoidance  Top Speed of 44 mph in Sport Mode Maximum Control  Range of 4.3 Miles  Visual Tracking of Moving Subject  Up to 30 Minutes Flying Time  Remote Controller with 1080p Display	Description	As per Tender/ Requirement
Brand: IWINTESTIN G Model: F 230	Brand: DJI Model: Mavic 3 Classic:	Item Qouted	M/s A
1640370.0	1504500.0	Rate	M/s Asif & Company
6561480.0	Brand: 6018000.0 Model: Phanton	Amount	pany
Brand: 6561480.0 MATEST Model: C 399	Brand: DJI   Model:   Phantom 4 Pro:	Item Qouted	M/s Al Meo Builders & Developers
1809328.1	1680526.5	Rate	Builders & I
7237312.4	6722106.0	Amount	Developers ·
The Bid offered by M/s Asif & Company is comparatively lower	The Bid offered by M/s Asif & Company is comparatively lower.	Remarks	lopers

		CXV			I		customer service team.	0	H		
		000					What You Get: 1x Digital ultrasonic thickness gauge, 1x Probe 5MHz, Built-in metal calibration block, 1x USB Cable, 3x Rechargeable Battery, 1x Operation Manual, and 12 months warranty, and a friendly 24/7 professional	1 O P V		e e	
Company is comparatively lower	1017900.0	254475.0		900000.0	225000.0	Mintact Model: WT 100A	Versatile Uses: Widely used for measuring Metal and Nonmetal materials, Steel, Aluminum, Copper, Brass, Zinc, Plastic, PVC, Glass, Ceramics, Pipes and any other good ultrasonic wave conductor as long as it has parallel top and bottom surfaces.	Each	4	Ultrasonic Thickness Gauge	4
The Bid offered by			Brand:			Brand:	Multi-Functional: 2.4" HD color screen display with backlit & 5 selectable color display, storage up to 500 data, statistic view, calibration, auto-off, and restores factory settings function.	8 8 6 7		Portable	
							Sound velocity from 1000 to 9999m/s	80			
							Resolution: 0.01mm. you can get accurate (±0.5%H+0.05mm) readings in inch or mm in 0.5 seconds.	() R	*		
							Measuring ranges from 0.039 to 8.85 in/1 to 225mm,	7			
The Bid offered by M/s Asif & Company is comparatively lower	13767418.2	1720927.3	Brand: MATEST Model: C 369	12325352.0	1540669.0	Brand: MATEST Model: C 369 N	Measuring range: 0 - 3000 µs - accuracy +/- 0,1 µs Selection of the ultrasonic pulse amplitude adjustable from 250 to 1000V Single or continuous acquisition mode with automatic or manual saving. Zero calibration with depuration of the time for the pulse to go through the probes. Capacity of data acquisition, processing and filing of the test data up to 30.000 samples. Interface mini USB for PC connection. The standard appliance includes: The instrument in basic configuration in a practical palmer container. Two 55kHz probes with connection cables. Calibrating cylinder and contact paste. Battery rechargeable pack NiMh 4,8V > 2000m/A with low battery condition alarm. Anti shock case holding the unit and the accessories. External feeder 230V and battery charger 12V 500m/A. Case dimensions: 400x340x110 mm		≪	Ultrasonic Pulse Velocity Meter,	ω
Remarks	Amount	Rate	Item Qouted	Amount	Rate	Item Oouted	Description	y Per Unit	il Qty	Item Detail	Sr#
	Developers	Builders & L	M/s Al Meo Builders & Developers	any	sif & Company	M/s Asif &	As per Tender/ Requirement	As per			

Serial Hern Detail Quy   Per   Description   Gentled   Rate   Amount   Hern Quited   Rate   Am	Γ			As	As per Tender/ Requirement	M/s A	sif & Com	Janu	M/s Al Mass	D! J 0 1		
Portable Ultrasonic United Colors  Resolution of 0.1 mils Resolution of 0.1 mils Resolution of 0.1 mils Accountry 1.5 March 1		Item Detail	Qty			Item	Rate	Amount	Item Qouted	Rate	Amount	Remarks
Trickers   Courcele   Covermeter   Covermeter   Covermeter   Each   Courcele   Covermeter   Covermeter   Covermeter   Covermeter   Each   Covermeter   Covermet		ortable Ultrasonic	×		Measuring range: $0 \sim 1500 \text{um}/0 \sim 59 \text{mils}$ , $\pm (3\% \text{H} + 1 \text{\mu m})$ ,	Brand: B.N.C			Brand: Defelkso			The Bid
Portable		Coating Thickness Fauge,	∞	Each	and the same of th	Tooling Model: GTS 8202	545617.0	4364936.0	Detelkso Model: PosiTector 6000	614364.7	4914917.9	M/s Comp comp
2. Frequency:7.5 KHz 3. Current-Standby: 65mA Max: 150mA Portable Handheld Handheld Heach 5. Operating Temperature:20 to +60 Metal Locator Met					1. Power:6 x 1.5V AA included							
A Voltager, 2-9.6 W Hardheld  4 Each 5. Operating Temperature-20 to +60 Metal Locator  6. Sensivity; US 50 Cent: 200mm  7. Indication Model: CD Mode  8. Stretch Length; 23-31 inches  9. Deceror Diameter 3.3 inches  9. Deceror Diameter 3.3 inches  Rebar orientation  Rebar orientation  Rebar orientation  Repart focusive  Cover reading thickness mm or inches  Large graphic display with backlight  Multiple language menu structure  Covertanges inches with led and keypad  Covertanges inches or quick bur diameter determination  Other models of search lead available on order for Narrow pital search, Deep over search, Borehole. See accessories.  R5 232 output to PC  EDTS MS EXCEL link software  Data longing  Data longing  Adjustable beep volume & earphone socket					2. Frequency:7.5 KHz							
Portable 4 Each 5. Operating Temperature:-20 to +60 Metal Locator S. Stretch Longht.23-3 inches S. Stretch Longht.23-3 inches S. Detector Diameter 8.3 inches Main Features Rebar orientation Depth of cover Cover reading thickness mm or inches Large graphic display with backlight Multiple language menu structure Signal strength bar range sizes and numbers Autosize mode for quick bar diameter determination Other models of search, Borchole. See accessories. RS 232 output to PC EDTS MS EXCEL link software Data logging Adjustable beep volume & earphone socket					3. Current:Standby: 65mA Max: 150mA							
Metal Locator G. Sensitivity.US 50 Cent: 200mm G. Controls G. Controls User selectable bar range sizes and numbers Adustic model: BS G. Sensitivity.US 50 Cent: 200mm G. Controls User selectable bar range sizes and numbers Model: BS G. Sensitivity.US 50 Cent: 200mm G. Controls User selectable bar range sizes and numbers Model: BS G. Sensitivity.US 50 Cent: 200mm G. Controls User selectable bar and sensitivity. G. Sensitivity.US 50 Cent: 200mm G. Gent: 200mm G. Sensitivity.US 50 Cent: 200mm G. Sensitivity.US 50	Po	ortable			4. Voltage:7.2-9.6V	Brand: Smart						The Bid
Metal Locator  6. Sensitivity:US 50 Cent: 200mm  7. Indication Mode:LCD Mode  8. Stretch Length:22-31 inches  9. Detector Diameter:8, 3 inches  Main Features  Rebar location  Rebar orientation  Depth of cover  Cover reading thickness mm or inches  Large graphic display with backlight  Multiple language menu structure  Signal strength bar  Covermeter  Covermeter  Controls  User selectable bar range sizes and numbers  Autosize mode for quick bar diameter determination  Other models of saurch head available on otder for Marow pitch search, Deep cover search, Borehole. See accessories.  R. S. 232 output to PC  EDTS MS EXCEL link software  Data logging  Adjustable beep volume & camphone socket		landheld	4	Each		Sensor		2464502.0	Brand: EIA	100400		M/s
7. Indication Mode:LCD Mode 8. Stretch Length:23-31 inches 9. Detector Diameter:8.3 inches 9. Detector Diameter:8.3 inches 9. Detector Diameter:8.3 inches 1. Augustin Features 1. Augustin English Multiple language menu structure 1. August graphic display with backlight 1. August gra	3	1etal Locator				Model: MD-		2101072.0	RT	089469.6	2757878.4	Com
8. Stretch Length:23-31 inches 9. Detector Diameter:8.3 inches 9. Detector Diameter:8.3 inches  Main Features Rebar orientation Popth of cover Cover reading thickness mm or inches Large graphic display with backlight Multiple language menu structure Signal strength bar Interchangeable heads with led and keypad Controls User selectable bar range sizes and numbers Autosize mode for paick bar diameter determination Other models of search head available on order for Narrow pitch search, Deep cover search, Borehole. See accessories. R8 232 output to PC EDTS MS EXCEL link software Adjustable beep volume & earphone socket						201011						ol
Main Features  Rebar location Rebar orientation Depth of cover reading thickness mm or inches Large graphic display with backlight Multiple language menu structure Signal strength bar Covermeter Large graphic display with backlight Multiple language menu structure Signal strength bar Interchangeable heads with led and keypad User selectable bar range sizes and numbers Autosize mode for quick bar diameter determination Orthogonal mode for gauck bar diameter determination Orthogonal mode for gauch head available on order for Narrow pitch search, Deep cover search, Borchole. See accessories.  RS 232 output to PC EDTS MS EXCEL link software Data logging Adjustable beep volume & earphone socket					8. Stretch Length:23-31 inches							
Rebar location Rebar location Rebar orientation Depth of cover Cover reading thickness mm or inches Large graphic display with backlight Multiple language menu structure Signal strength bar Concrete Covermeter Concrete Courtols User selectable bar range sizes and numbers Autosize mode for quick bar diameter determination Other models of search head available on order for Narrow pitch search, Deep cover search, Borchole. See accessories. RS 232 output to PC EDTS MS EXCEL link software Data logging Adjustable beep volume & earphone socket	F				9. Detector Diameter:8.3 inches							
Rebar location  Rebar orientation  Depth of cover Cover reading thickness mm or inches Large graphic display with backlight  Multiple language menu structure  Signal strength bar Interchangeable heads with led and keypad Covermeter  Controls User selectable bar range sizes and numbers Autosize mode for quick bar diameter determination Other models of search head available on order for Narrow pitch search, Deep cover search, Borehole. See accessories.  RS 232 output to PC EDTS MS EXCEL link software Data logging Adjustable beep volume & earphone socket					Main Features							
Rebar orientation  Depth of cover  Cover reading thickness mm or inches  Large graphic display with backlight  Multiple language menu structure  Signal strength bar  Concrete  Controls  User selectable bar range sizes and numbers  Autosize mode for quick bar diameter determination  Other models of search head available on order for Narrow pitch search, Deep cover search, Borchole. See accessories.  RS 232 output to PC  EDTS MS EXCEL link software  Data logging  Adjustable beep volume & earphone socket					Rebar location	77, 16						
Cover reading thickness mm or inches  Large graphic display with backlight  Multiple language menu structure  Signal strength bar  Concrete  Concrete  Concrete  Controls  User selectable bar range sizes and numbers  Autosize mode for quick bar diameter determination  Other models of search head available on order for Narrow pitch search, Deep cover search, Borchole. See accessories.  RS 232 output to PC  EDTS MS EXCEL link software  Data logging  Adjustable beep volume & earphone socket					Rebar orientation							
Cover reading thickness mm or inches  Large graphic display with backlight  Multiple language menu structure  Signal strength bar  Concrete  Concrete  Covermeter  Controls  User selectable bar range sizes and numbers  Autosize mode for quick bar diameter determination  Orthogonal mode for bar diameter determination  Other models of search, Deep cover search, Borehole. See accessories.  RS 232 output to PC  EDTS MS EXCEL link software  Data logging  Adjustable beep volume & earphone socket		4			Depth of cover							
Large graphic display with backlight  Multiple language menu structure  Signal strength bar  Concrete  Covermeter  6 Each User selectable bar range sizes and numbers  Autosize mode for quick bar diameter determination  Orthogonal mode for bar diameter determination  Other models of search head available on order for Narrow pitch search, Deep cover search, Borehole. See accessories.  RS 232 output to PC  EDTS MS EXCEL link software  Data logging  Adjustable beep volume & earphone socket					Cover reading thickness mm or inches							
Multiple language menu structure  Signal strength bar Concrete Concrete Covermeter  6 Each Interchangeable heads with led and keypad Covermeter Covermeter  6 Each Interchangeable heads with led and keypad User selectable bar range sizes and numbers Autosize mode for quick bar diameter determination Orthogonal mode for bar diameter determination Other models of search head available on order for Narrow pitch search, Deep cover search, Borehole. See accessories.  RS 232 output to PC EDTS MS EXCEL link software Data logging Adjustable beep volume & earphone socket					Large graphic display with backlight							
Concrete Covermeter  6 Each Covermeter Controls Controls Controls Autosize mode for quick bar diameter determination Orthogonal mode for bar diameter determination Other models of search head available on order for Narrow pitch search, Deep cover search, Borchole. See accessories.  RS 232 output to PC EDTS MS EXCEL link software Data logging Adjustable beep volume & earphone socket  RS 232 output dependence of the product of					Multiple language menu structure							
Concrete Covermeter  6 Each Interchangeable heads with led and keypad Controls User selectable bar range sizes and numbers Autosize mode for quick bar diameter determination Orthogonal mode for bar diameter determination Other models of search head available on order for Narrow pitch search, Deep cover search, Borehole. See accessories.  RS 232 output to PC EDTS MS EXCEL link software Data logging Adjustable beep volume & earphone socket	)					Brand:		-			T	he Bid o
Autosize mode for quick bar diameter determination  Orthogonal mode for bar diameter determination  Other models of search head available on order for Narrow pitch search, Deep cover search, Borehole. See accessories.  RS 232 output to PC  EDTS MS EXCEL link software  Data logging  Adjustable beep volume & earphone socket		overmeter	6	Each		Controls	3275975.0	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	Controls	3606848 5		M/s A
ation  der for Narrow  See accessories.						1881-204		0 5	9A			compar
rder for Narrow See accessories.					Orthogonal mode for bar diameter determination				•			low
See accessories.					Other models of search head available on order for Narrow							
					pitch search, Deep cover search, Borchole. See accessories.							
					RS 232 output to PC							
					EDTS MS EXCEL link software					>		
					Data logging		-	<i>'</i>	-	all we		
	H		L		Adjustable beep volume & earphone socket		1					

Sr# Item Detail		Thermometer	for Asphalt, Bitumen & Concrete Bitumen Thermometer		
il Qty	6		6		4
		Each			Each
As per Tender/ Requirement Per Per Description	Measurement Instruments Certification: Ansi Standard K-type Power Source: Battery Powered Number of Batteries: 1 9V batteries required. (included) Item Length 11 inches	Item Length 11 inches  Maximum Storage Temperature 140 Degrees Fahrenheit  Minimum Storage Temperature 20 Degrees Fahrenheit  Upper Temperature Rating: 1999 Degrees Fahrenheit  Response Time 0.5 seconds  Resolution 3 1/2 digit  Immersion Depth 8 Inches  Item Weight 1.28 pounds	Product Dimensions 11 x 7 x 1 inches  Material Stainless Steel  Measurement System Fahrenheit and Celsius  OPTIONAL ACCESSORY "K-TYPE Thermocouple  Wire & Handle for above Bitumen Thermometer  k-Type Thermocouple Probe with Wire & Handle	Specification  Measuring Range: 0 to 14pH-1999 to 2000mV  Accuracy: ±(0.01pH +1 dgt.)±(2mV +1 dgt.)  Resolution: 0.01pH - 0.1/1mV  Temperature	Measuring Range: 32 to 230°F (0 to 110°C) Accuracy: ±0.4°F (0.2°C) +1 dgt. Resolution: 0.1°F (0.1°C) Auto Shut-off Low Battery Indicator
Item	Brand: MN Measurement Instruments	Instruments Model: DM6801-	'Brand: HANNA Model: HI935005	Brand: AZ	Model: AZ9861
M/s Asif & Company  n Rate An	144076.0	144976.0	95767.8		442926.1
Amount	8000	869856.0	574606.8		1771704.3
M/s Al Meo Builders & Developers  Item Qouted Rate Amount		Brand: MYZOX Model: AST10		Brand: TOA DK Model: P30	
Builders & Rate		135262.6	91649.8	500063.5	
Developers Amount		811575.7	549898.7	2000254.2	
Remarks		The Bid offered by M/s Asif & Company is comparatively lower	7	The Bid offered by M/s Asif & Company is comparatively lower	The Bid offered by

Item Detail Qty Unit  Main features  Measurement Method: Absolute encoding  Minimum readout: 1"/5"/10" Accuracy: 2" Reflectorless Range: 800M With single prism: 7500M Measuring Time: 1.5 Second Measuring Time:			1	As	per	As per Tender/ Requirement	M/s Asif &	sif & Company	pany	M/s A	Meo B	M/s Al Meo Builders & Developers
Main features  Measurement Method: Absolute encoding  Minimum readout: 1"5"/10"  Accuracy: 2"  Reflectorless Range: 800M  With single prism: 7500M  Measuring Time: 1.5 Second  Magnification: 30X  Field of view: 1°30' (2.7m at 100m)  Minimum focusing distance: 1.5M  Reticle: illuminated  Tachcometer  Tac	Sr#	Item Detail	Qty	Per Uni	<u>.                                    </u>	Description	Item Qouted	Rate		Amount	Amount Item Qouted	
Minimum readout: 1"/5"/10"  Accuracy: 2"  Reflectorless Range: 800M  With single prism: 7500M  Measuring Time: 1.5 Second  Magnification: 30X  Field of view: 1930' (2.7m at 100m)  Minimum flocusing distance: 1.5M  Reticle: illuminated  Interface: Bluetooth/RS232/SD Card4/USB Pen Drive Internal Memory Data Storage: 20,000 Points  4201.8  Complete with  Appropriate acessories for completing the job or  Equivalent  Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -40°C -+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, I.No. Charger, I.No. Mini USB, I.No. Tool kit, I.No. Manual operation, I.No. Rain(I) I.No. Tool kit, I.No. Manual operation, I.No. Rain(I) SH. D. Tool kit, I.No. Manual operation, I.No.					7 7	fain features  feasurement Method: Absolute encoding						
Accuracy: 2"  Reflectorless Range: 800M  With single prism: 7500M  Measuring Time: 1.5 Second  Measuring Time: 1.5 Second  Measuring Time: 1.5 Second  Magnification: 30X  Field of view: 1°30′ (2.7m at 100m)  Minimum focusing distance: 1.5M  Reticle: illuminated  Interface: Bluetooth/RS232/SD Card4/USB Pen Drive  Internal Memory Data Storage: 20,000 Points  420L8  Complete with 4 Each white display with contrast adjustment/ Graphics: 240 x Model: ZTS - 420 privale (1 pp: 12 pp: Laser point, 4 brightness levels adjustment  Centering Accuracy: 1 mm at 1.5m instrument height  Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -20°C → +50°C  Storage Temperature: -20°C → 50°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Rain/Dust Protective rover 1 No.  Rain/Dust Protective rover 1 No.  Rain/Dust Protective rover 1 No.					7	Ainimum readout: 1"/5"/10"						
Reflectorless Range: 800M  With single prism: 7500M  Measuring Time: 1.5 Second  Magnification: 30X  Field of view: 1°30′ (2.7m at 100m)  Minimum focusing distance: 1.5M  Reticle: illuminated  Internal Memory Data Storage: 20,000 Points  420L8  Complete with 4 Each white display with contrast adjustment/ Graphics: 240 x accessories for completing the job or Laser Plummet Type: Laser point, 4 brightness levels adjustment  Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -40°C →+50°C  Storage Temperature: -40°C →+50°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Rain/Dust L.No. Manual operation, 1.No.  Rain/Dust L.No. Manual operation, 1.No.					P	occuracy: 2"						
With single prism: 7500M  Measuring Time: 1.5 Second  Measuring Time: 1.5 Second  Magnification: 30X  Field of view: 1°30′ (2.7m at 100m)  Minimum focusing distance: 1.5M  Reticle: Illuminated  Internal Memory Data Storage: 20,000 Points  420L8  Complete with Appropriate  accessories for  completing the job or Equivalent  Centering Accuracy: 1 mm at 1.5m instrument height  Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -40°C -+70°C  Storage Temperature: -40°C -+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, I.No.  Mini USB, I.No. Manual operation, I.No.  Riin/USB, I.No. Manual operation, I.No.					×	eflectorless Range: 800M						
Measuring Time: 1.5 Second  Measuring Time: 1.5 Second  Measuring Time: 1.5 Second  Magnification: 30X  Field of view: 1°30′ (2.7m at 100m)  Minimum focusing distance: 1.5M  Reticle: illuminated  Interface: Bluetooth/RS232/SD Card4/USB Pen Drive  Internal Memory Data Storage: 20,000 Points  4201.8  Complete with 4 Each white display: 2.8-inch High resolution backlight black and white display: 2.8-inch High resolution backlight black and white display with contrast adjustment/ Graphics: 240 x  Reyboard: 2 sides Alphanumeric backlift crystal keyboard gob or  Equivalent  Centering Accuracy: 1 mm at 1.5m instrument height  Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -20°C -+50°C  Storage Temperature: -40°C -+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.  Mini Data Format: 1.No.  Mini Data Format: 1.No.  Mini Data Format: 1.No.  Rein/Dust protective cover 1.No.					-	Vith single prism: 7500M						
Measuring Time: 1.5 Second  Magnification: 30X  Field of view: 1°30′ (2.7m at 100m)  Minimum focusing distance: 1.5M  Reticle: illuminated  Interface: Bluetooth/RS232/SD Card4/USB Pen Drive  Type ZTS- 420L8  complete with Appropriate acessories for completing the job or  Equivalent  Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -40°C ~+50°C  Storage Temperature: -40°C ~+10°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No.  Rain/Dist protective over 1.No.  Rain/Dist protectives and material parts and protective over 1.No.  Magnification: 30X  Field of view: 1°30′ (2.7m at 100m)  Minimum Mocusing distance: 1.5M  Reticle: illuminated  Interface: Illuminated  Interfac					7	Aeasuring Time: 1.5 Second						
Magnification: 30X  Field of view: 1°30′ (2.7m at 100m)  Minimum focusing distance: 1.5M  Reticle: illuminated  Interface: Bluetooth/RS232/SD Card4/USB Pen Drive  Internal Memory Data Storage: 20,000 Points  420L8  Complete with Appropriate acessories for completing the job or Equivalent  Centering Accuracy: 1 mm at 1.5m instrument height  Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -20°C ~+50°C  Storage Temperature: -40°C ~+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Main USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.  Rain(Dist protective cover, 1.No.  Rain(Dist protective cover, 1.No.  Rain(Dist protective cover, 1.No.					7	Aeasuring Time: 1.5 Second						
Field of view: 1°30′ (2.7m at 100m)  Minimum focusing distance: 1.5M  Reticle: illuminated  Reticle: illuminated  Interface: Bluetooth/RS232/SD Card4/USB Pen Drive  Internal Memory Data Storage: 20,000 Points  4 Each  Appropriate accessories for completing the job or Equivalent  Centering Accuracy: 1 mm at 1.5m instrument height  Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -40°C ~+70°C  Dust & Water Proof  (IEC60529Standard/)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No.  Rain/Dust protective over 1 No.  Mini USB, 1.No. Tool kit, 1.No.  Rain/Dust protective over 1 No.					7	Augnification: 30X						
Electronic Tacheometer Type ZTS- 420L8 Complete with Appropriate accessories for Equivalent Equivalent Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh Battery timing: Optimal 16 hours/10 hours typical Operating Temperature: -40°C ~+70°C Dust & Water Proof (IEC60529Standard)/Humidity: IP55 Accessories Included: 2.Nos. Battery, 1.No. Main USB, 1.No. Tool kit, 1.No. Manual operation, 1.No. Rein/Dust revore: 1 No.					Ŧ	ield of view: 1°30′ (2.7m at 100m)						
Electronic Tacheometer Tacheometer Type ZTS- 420L8  Complete with Appropriate accessories for completing the job or Equivalent Equivalent  Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh Battery timing: Optimal 16 hours/10 hours typical Operating Temperature: -40°C ~+70°C Dust & Water Proof (IEC60529Standard)/Humidity: IP55 Accessories Included: 2.Nos. Battery, 1.No. Rain/Dust protective cover 1.No.  Rain/Dust protective cover 1.No.  Rain/Dust protective cover 1.No.					7	Ainimum focusing distance: 1.5M						
Interface: Bluetooth/RS232/SD Card4/USB Pen Drive Tacheometer Type ZTS- 420L8  Complete with Appropriate Appropriate accessories for completing the job or Equivalent  Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh Battery timing: Optimal 16 hours/10 hours typical Operating Temperature: -40°C ~+70°C Dust & Water Proof  (EC60529Standard)/Humidity: IP55 Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No. Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.  Interface: Bluetooth/RS232/SD Card4/USB Pen Drive Interface: 20,000 Points Interface		Electronic			7	teticle: illuminated						
Internal Memory Data Storage: 20,000 Points  420L8  Complete with Appropriate accessories for completing the job or Equivalent  Equivalent  Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -40°C ~+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.		Tacheometer			I	nterface: Bluetooth/RS232/SD Card4/USB Pen Drive						
complete with Appropriate Appropriate Appropriate accessories for completing the job or Equivalent  Equivalent  Equivalent  Equivalent  Each  Display: 2.8-inch High resolution backlight black and white display with contrast adjustment/ Graphics: 240 x Model: ZTS - 320 pixels / Character: 6 lines x 25 characters  Equivalent  Centering Accuracy: 1 lines x 25 characters levels  Equivalent  Centering Accuracy: 1 mm at 1.5m instrument height  Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -40°C ~+50°C  Storage Temperature: -40°C ~+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.		Type ZTS-				nternal Memory Data Storage: 20,000 Points						
complete with Appropriate Appropriate accessories for completing the job or Equivalent  Equivalent  Each Appropriate accessories for completing the job or  Equivalent  Equivalent  Equivalent  Equivalent  Equivalent  Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -20°C ~+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Main USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.		420L8			П		Brand: HI				Dron.	Prop.d.
Reyboard: 2 sides Alphanumeric backlit crystal keyboard Laser Plummet Type: Laser point, 4 brightness levels adjustment Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh Battery timing: Optimal 16 hours/10 hours typical Operating Temperature: -20°C ~+50°C Storage Temperature: -40°C ~+70°C Dust & Water Proof (IEC60529Standard)/Humidity: IP55 Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No. Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.	13	complete with	4	Eac			Γarget Model: ZTS -	2329350.0	50.0	50.0 9317400.0	9317400.0	9317400.0
		acessories for			з		420L8				Model: R200	Model: R200
•		completing the			7	keyboard: 2 sides Alphanumeric backlit crystal keyboard						
Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh Battery timing: Optimal 16 hours/10 hours typical Operating Temperature: -20°C ~+50°C Storage Temperature: -40°C ~+70°C Dust & Water Proof (IEC60529Standard)/Humidity: IP55 Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No. Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.		Equivalent	9		a	.aser Plummet Type: Laser point, 4 brightness levels djustment						
Battery Type: Rechargeable Li-ion battery  Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -20°C ~+50°C  Storage Temperature: -40°C ~+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.					0	Centering Accuracy: 1 mm at 1.5m instrument height						
Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh  Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -20°C ~+50°C  Storage Temperature: -40°C ~+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.					ш	Sattery Type: Rechargeable Li-ion battery						
Battery timing: Optimal 16 hours/10 hours typical  Operating Temperature: -20°C ~+50°C  Storage Temperature: -40°C ~+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.						oltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh						
Operating Temperature: -20°C ~+50°C  Storage Temperature: -40°C ~+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.  Rain/Dust protective cover 1.No.					H	sattery timing: Optimal 16 hours/10 hours typical					-	2
Storage Temperature: -40°C ~+70°C  Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.  Rain Dust protective cover, 1.No.					$\overline{}$	Operating Temperature: -20°C ~+50°C						
Dust & Water Proof  (IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.  Rain/Dust protective cover, 1.No.						itorage Temperature: -40°C ~+70°C						
(IEC60529Standard)/Humidity: IP55  Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No.  Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.  Rain/Dust protective cover, 1.No.					I	Just & Water Proof						
Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No. Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No. Rain/Dust protective cover 1.No.		2			$\overline{}$	IEC60529Standard)/Humidity: IP55						
Rain/Dust protective cover 1 No					フト	Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No. Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No.				6	) Jage	Ana

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4091800.0 16367200.0 MATEST Model: B098
Amount Item Qouted
Company M/s Al Meo Builders & Developers

	17 V Sp	16 & U	15	Sr #	I
Steel Diameter Gauge plate Specification:	Digital Vernier Calliper Specification:	UNDERGRO UND CABLE & PIPE LOCATOR	GASOLINE POWERED Portable Universal Core Drilling Machine	Item Detail	
4	4	4	1	Qty	
Each	Each	Each	Each	Unit	As p
Item Type: Diameter Gage  Material: Stainless Steel  STAINLESS STEEL WIRE WELDING GAUGE: Metal sheets welding thickness gauge is made of high quality stainless steel, sturdy and durable, an useful measuring tool for help you save time and material	Measuring range: 0-150mm /0-6 inch ;;Accuracy: + 0.02 mm/ 0.001 in. (100 - 150 mm). Resolution: 0.01mm/ 0.0005 in Repeatability: 0.01mm/ 0.0005 in.  - Maximum measurement speed: 1m/s;Power: 1 x 1.5V SR44 (silver oxide cell) battery.	utility locator series uses industry-leading digital signal processing to identify underground assets deeper, faster and more accurately than any other system  A pipe & Cable locator uses conductive or inductive methods to find hidden pipes, Cables, Manhole Covers etc with a high level of accuracy. For example, a conductive pipe locator may be used to apply a tracing signal to a coated metallic pipe at an access point such as a valve or meter.	Drilling range: Ø15-305mm  Rated voltage: 220V- Rated power: 50-60Hz  Input power: 4550W  No-load speed: 380r / min  Diamond drilling machine is a new type of tool that can drill holes in reinforced concrete, masonry, rock, ceramics and refractory materials. It has the characteristics of dust-free operation, high efficiency, smooth hole wall and accurate size. It is suitable for equipment installation, water and electricity, gas installation, civil engineering quality inspection, airport runway, highway, railway, railway bridge tunnel and other construction, quality inspection, installation fields.	Description	As per Tender/ Requirement
Brand: HERCHR Model: 4809 INSIZE	Brand: INGCO Model: HDCD01150	Brand: Leica Model: DD 100/200 Series	Brand: Lucky CM Model: OB.305B	Item Qouted	M/s
59056.8	91725.2	8064290.0	2346799.0	Rate	M/s Asif & Company
236227.2]	366900.8	Brand: 32257160.0 Model: DD130	2346799.0	Amount	pany
Brand: HERCHR Model:	Brand: LOUISEWAR E Model: RO-04	Brand: LEICA Model: DD130/230	Brand: KOR- IT Model: K-501- G25	Item Qouted	M/s Al Meo Builders & Developers
57674.9	90817.1	10048105.3	3255010.2	Rate	Builders &
230699.5	363268.5	40192421.4	3255010.2	Amount	Developers
The Bid offered by M/s Asif & Company is comparatively lower	The Bid offered by M/s Asif & Company is comparatively lowe	The Bid offered by M/s Asif & Company is comparatively lower	The Bid offered by M/s Asif & Company is comparatively lower	Remarks	

	20	19	Sr#	Г
	Multi Function Digital Moisture Meter	Thermography Infrared IRT	·# Item Detail	
	_	4	l Qty	
	Each	Each	Per Unit	As
			# 7	per 1
	Digital Multi function moisture meter use for measuring the moisture content of Soil, Cement, Sand, Plater, Concrete and Mortar etc.  Specification  Display:4 digital LCD Measuring range :0-50% Operation condition: Temperature:0-60°C Humidity:5%-90%RH Resolusion:0.1 Accuracy: ± 2%n(Non- saturation condition) Power supply: 4x1.5 AAA size (UM-4)(not included) battery Dimensions:140mm×60mm×22mm Needle: 280mm Weight:210g	Temperature testing The measuring range is -10°C ~ 400°C. Capturing an astonishing level of detail through high thermal sensitivity, isolating the smallest temperature anomalies Resolution 32×32 pixel resolution, 33° Field of View. Capture a clear, accurate image focused throughout the field of view IR thermal imaging camera technics Use 2 megapixel white lens and 2.4 TFT LCD screen to visualize targets more flexibly Integrated visual display Combine infrared and visible images for simpler analysis and edit and optimize images	Description	As per Tender/ Requirement
	Brand: TSINGITAO Model: PMS 710/CHINA	Brand: Noyafa Model: NF- 521	Item Qouted	M/s A
7	185402.0	243950.0	Rate	M/s Asif & Company
*	185402.0	0.008576	Amount	pany
	Brand: CHINA 185402.0 Model: PMS 710/CHIN	Brand: Noyafa 975800.0 Model: NF- 521	Item Qouted	M/s Al Meo Builders & Developers
Ş	203756.8	278347.0	Rate	Builders & I
	203756.8	1113387.8	Amount	Developers
	The Bid offered by M/s Asif & Company is comparatively lower	The Bid offered by M/s Asif & Company is comparatively lower	Remarks	

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The Bid offered by M/s Asif & Company is comparatively lower	3852458.4	1926229.2	Brand: UTEST Model: UTC- 2082	3415300.0	1707650.0	Brand: OBRK Model: R 900	integrated Rebar detector are mainly used for detecting the internal reinforcement position, the protective layer thickness, reinforcement spacing and diameter of rebar. It can accurately draw the distribution map of the whole rebar, to provide test data with high precision and high speed; the integrated structure of the host and the sensor coil, making it is convenient and quick when carrying and field operation; It is characterized in coil structure design, faster speed, higher accuracy, stronger resolution.  Specification  Applicable range of Rebar (mm) φ6~φ50  Protective layer Small range: 1~80  Large range thickness range(mm):5~185  Power supply Built in high capacity lithium battery Test range (mm) The first range: 1~90 the second range: 5 ~ 185  Screen 320*240  Working hours ≥16h Size 219*92*106cm  Data transfer mode USB\Wireless Operation Silicone keypad Storage 200K Measuring point of steel bar Display resolution 2.8-inch high-resolution color LCD screen (320×240 pixels)	Each		Integrated Rebar Detector	23
The Bid offered by M/s Asif & Company is comparatively lower	1766351.4	441587.8	1630980.0 Brand: PCTE:	1630980.0	407745.0	Bra MA Mo	Concrte Test Hammer ASTM, EN, DIN, BS and NF Test Description & Specification  Type "N " range 10 to 70 N/mm2 (100 to 700 kgf/cm2) Impact Energy 0.225 mkg (2.207 joules) Included certificate calibration by KAN  For non-destructive strength testing of concrete and structural components.  In operation, the hammer hits the concrete at a defined Its rebound is dependent on the hardness of the concrete. Through the use of the included conversion table, the rebound value can be converted to compressive strength. The standard (Type N) hammers that display rebound values on a mechanical sliding scale.  For testing thin walled structural components with a thickness of less than 10 cm or rock cores.  Accessories included  1 x Test Hammer, 1 x Carbondum rubbing stone, 1 x Manual Operation, 1 x Carrying bag.	Each	4	Concrete Schmidt Hammer	22
Remarks	Amount	Rate	Item Qouted	Amount	Rate	Item Qouted	Description	y Per Unit	il Qty	Item Detail	Sr#
	Developers	Builders & I	M/s Al Meo Builders &	any	sif & Company	M/s Asif &	As per Tender/ Requirement	As pe			П

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Longitude and Latitude ' Measurement Device complete with appropraite accessories to complete the job	Pressure Washer	Concrete/Asph alt Cutter Saw		# Item Detail	
2	2	_	7	Qty	
Each	Each	Each		Per Unit	As p
Quad-Penta Band, GSM/GPRS/UMTS, GPS, Glonass, BeiDou, Galileo and SBAS, Novatel GNSS Technology & Q-Lock, all visible satellites are tracked with the highest possible sensitivity, IP68 dust & water proof, shock and vibration resistance, complete control with receiver keypad, quick swappable sim and micro sd cards, Internal GSM/GPRS Antenna, External power & radio port  Specification Q-Lock Technology: Lowest noise & multiple Mitigation, Satellites (Max number tracked simultaneously: 60, Channels: 120, GPS Tracking: L1,L2, L2C, Glonass tracking: L1,L2, Beidou tracking: B1*, Galileo tracking: E1*, Positioning rate: 20Hz* 5Hz SBAS: EGNOS, WAAS, MSAS, GAGAN Accuracy Static H/V (mm+ppm): 3+0.5/5+0.5 Static Long H/V (mm+ppm): 3+0.5/5+0.5 Static Long H/V (mm+ppm): 3+0.1/3.5+0.4 Kinematic Communication GSM/GPRS Module: Quad-Band GSM & Penta-Band; UMTS 800/850/900/1900/2100 MHz Internal Antenna Communication Port: USB, Serial & Interfaces Keyboard: On/Off & Function keys	Engine Features 196cc Champion OHV Engine, 4 Stroke, Low oil shut off, single cylinder, Recoil start, cast iron steel for durability Washer specification Max pressure: 2600 Psi Flow capacity: 2.2 gpm Pump: Axial Cam Wheel size: 12"	"CUT DIAMOND" Rosad Cutter fitted with "KIPOR" 15HP Aircooled Diesel Engine, complete with 20 inch cutting blade	Set shutdown time 5m, 10m, 15m, 30m, 60m, 90m	Description	As per Tender/ Requirement
Brand: ZENITH Model: Geo Max/GNSS	Brand: Champion Model: 100382	Brand: CUTSDIAM ANT Model: MC	Counch	Item Oouted	M/s Asif &
8109595.0	656000.0	1760700.0		Rate	sif & Company
16219190.0	1312000.0	1760700.0		Amount	any
Brand: HEMISPHER E Model: GNSS	Brand: 1312000.0 Champion Model: 100382	Brand: CLIPPER Model: GC 55		Item Qouted	M/s Al Meo Builders &
9017075.2	720288.0	1991351.7		Rate	
18034150.4	1440576.0	1991351.7		Amount	Developers
The Bid offered by M/s Asif & Company is comparatively lower	= 0 0 7 .	The Bid offered by M/s Asif & Company is comparatively		Remarks	MC CALL

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The Bid offered by M/s Asif & Company is comparatively lower	2608315.8	1304157.9	Brand: PULSAR Model: DFM 6.1	2314388.5	1157194.3	Brand: Ultrasonic Model: TUF- 2000H	Bluetooth, RTK Receiver, RTK Transmit, Storage card, Rover base static, Data Recording: 8 GB removable micro SD Card GSM/TCP/IP: Removable sim card Power supply External power/internal battery: 10.5v to 28v/ removable 2.6 Ah: 7.4V Operating Time (Static/Rover): 9h/6h Protection class: IP68 Operating Time (Static/Rover): 9h/6h Protection class: IP68 Operating Temperature: -40 Deg. C TO + 65 Deg. C Humidity: 100% condensing Complete with Base Station + Rover + Field Controller + Batteries + Charger + Antennas + Tribrach+ Tripod Stand + Fiber Pole Reasurement Accuracy: Flow ±1%, Heat ±2% Sensor Probe Measurement Range: DN15-100mm(TS-2)/DN50 700mm(TM-1)/DN300-6000mm(TL-1) Power supply mode: Rechargeable battery power supply (charger included) Charging time: 8 hours Use time: 12 hours or more Working power supply: 90-230VAC (12 hours working after sufficient charge) including 2000mAh Ni-H Lithium battery Accuracy level: indication value ±1%, flow rate greater than 0.2m/s Unit of Measure: Meter, Feet, Cubic Meter, Liter, Cubic Feet, US Gallon Applicable pipe: carbon steel, stainless steel, cast iron, copper, PVC, aluminum, glass steel, etc. Liquid type: more than 30 kinds of pure liquids such as pure water and tap water Data logging: built-in data logger, can store 32Mbit memory Medium temperature: conventional -30-90°C, high temperature types up to -30-150°C Use humidity: 85% of the host Sensor Protection Level: IP67 Housing Material: flame Retardant ABS Host material: die-cast aluminum	2 * .	Doppler Flow Tester Handheld portable Ultrasonic · Doppler water	27
Remarks	Amount	Rate	Item Qouted	Amount	Rate	Item Qouted	Per Description	Qty	Item Detail	Sr#
·	Developers	Builders & 1	M/s Al Meo Builders &	pany	sif & Company	M/s Asif &	As per Tender/ Requirement			П

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The Bid offered by M/s Asif & Company is comparatively lower	1690732.6	845366.3	Brand: SADT 1484400.9 Model: SA 40+	1484400.9	742200.5	Brand: SADT Model: SA 40+	Using new technique of multiple echo (echo-to-echo) it can measure wall thickness under paint. For a normal ultrasonic thickness gauge, you must remove paint on work piece, but with new technology, it takes measurement directly over the paint of work piece and you can get real thickness value of work piece. it has two measuring modes: normal mode and multiple echo(MEC) mode. By normal mode, it is a normal ultrasonic thickness gauge; by MEC mode, it can measure over coatings.  Specification Technique: pulse echo with dual probe Display: 4 digits LCD with backlight Measuring range: 0.7 to300.0mm Resolution: 0.01mm 0.8-99.99mm, 0.1mm 100.0-300.0mm Velocity range: 500-9999m/sec. Display circle: 1 sec. Coupling indication Memory: 40 data can be stored and re-readable Units: mm or inch Low battery indicator on LCD Auto shut-off: after 5 min. of non-use Power: 2 ea. 1.5V AA alkaline cells Operating temperature: 0-40°C Operating humidity: 20-90%RH Size: 124x67x30mm Weight: 240g	2 Each	Ultrasonic Thickness Gauge "SADT" Model SA40+ OR EQUIVALEN T	29
The Bid offered by M/s Asif & O Company is comparatively lower	8635550.0	8635550.0	Brand: TMI 7850500.0 Model: CM 5000	7850500.0	7850500.0	Brand: Matest Model: C055	Compression machine 2000 kN motorized with Digital ch control unit, to test cubes up to 150 mm side and cylinders up to dia. 160x320 mm.	1 Each	Concrete Compression Testing Machine "MATEST" (Italy) Model C055 OR EQUIVALEN	28
					2		Accessories included  1 x TUF-2000H Ultrasonic Flow Meter, 3 x sensor (TS-2, TM-1,TL-1) 1 x 3M Steel tape, 1 x Oct Data Line, 1 x steel support chain, 1 x 5m standard sensor signal cable, 1 x user manual, 1 x adapter			
Remarks	Amount	Rate	Item Qouted	Amount	Rate	Item Qouted	r Description	Qty Per Unit	Item Detail	Sr#
	Developers	3uilders & 1	M/s Al Meo Builders & Developers	pany	M/s Asif & Company	M/s A	As per Tender/ Requirement	As		

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The Bid offered by M/s Asif & Company is comparatively lower	3259952.6	1629976.3	Brand: e- Survey Model: P8II	2829820.0	1414910.0	Brand: e- Survey Model: P8II	Rugged 5" Android handheld data collector and recorder that perform well in challenging environments such as Forests, urban areas, land, plots for recording accurate measurements and perform calculation on site or on field Features  High performance CPU equipped with Octa-core 2.0 GHz processor and Android 9.0 System  5" high capacitive screen with 1280x720 resolution With built-in 5200mAh lithium rechargeable and replaceable battery for full day working  Dual Sim card with 4G Network  All GNSS Constellation supported such as GPS, BDS, Galileo & Glonass  32GB Internal storage and supports SD Card expansion up to 128 GB  With stylus pen to operate accurate even in rain mode.  IP67 Dustproof & waterproof  System Specification  Processor: MT6762, OS: Android 9.0, RAM: 3GB, ROM: 32GB  Camera Specification	Each	Id Data Proper 2 ing the int	On-site Handheld Android Data collector & recorder Type P8II for completing the job or equivalent	31
The Bid offered by M/s Asif & Company is comparatively lower	5046484.2	2523242.1	Brand: SOKKIA Model: OM 5	4309551.0	2154775.5	Brand: SOKKIA Model: OM 5	engine Features  optical micrometer is an optional accessory that mounts to the optical automatic level for increased precision. For metric level rods or staffs. Perfect for high precision leveling, The Optical Micrometer mounts on the automatic level telescope allowing for staff readings in increments of 0.1 mm. Ideal for deformation studies or industrial measuring tasks, this optical parallel plate micrometer also improves the accuracy of the auto level from 0.7 mm to 0.5 mm per kilometer double run leveling. The OM5 enables surveyors and construction and Industrials professionals to achieve the highest accuracy when using metric level rods or staffs.		eter 45 for 2 ing the	Optical Micrometer Type OM5 for completing the job or equivalent	30
Remarks	Amount	Rate	Item Qouted	Amount	Rate	Item Qouted	Description		Detail Qty	# Item Detail	Sr#
	Developers		M/s Al Meo Builders &	any	sif & Company	M/s Asif &	As per Tender/ Requirement	As			

1	32		Sr#	
	Multiple Handheld Gas Monitor Detector Model K- 400M or equivalent		Item Detail	
	4		Qty	
-	Easch		Per Unit	As po
	Product description  1. Power:6 x 1.5V AA included  2. Frequency:7.5 KHz  3. Current:Standby: 65mA Max: 150mA  4. Voltage:7.2-9.6V  5. Operating Temperature:-20 to +60  6. Sensitivity:US 50 Cent: 200mm  7. Indication Mode:LCD Mode  8. Stretch Length:23-31 inches  9. Detector Diameter:8.3 inches	REAR: 13MP, Flash Light: Supported, Auto Focusing: Supported Screen Specification Screen Specification: 1280x720, Density: 320 dpi, Brightness: 400 nits, Touch panel: Capacitive, TFT, Touch: 10 touch points GNSS Specification Channels: 72, Tracking: GPS, BDS, GLONASS, GALILEO, Accuracy: Single 1-3m Communication specification GSM, Wifi, Bluetooth SD Card, USB	Description	As per Tender/ Requirement
	Brand: Bosean Model: K- 400M		Item Qouted	M/s A
	518742.3		Rate	M/s Asif & Company
3	2074969.0		Amount	any
	Brand: PK- 2074969.0 SAFETY Model: GX-3R		Item Qouted	M/s Al Meo Builders & Developers
	594478.6		Rate	Builders & D
	2377914.5		Amount	evelopers
	The Bid offered by M/s Asif & Company is comparatively lower		Kemarks	

		7.5	_
33 C. S. D.		Sr#	4
Dual Bore inspection camera for bore/well with 300 Meter Cable type V10-BSC for completing the job or		Item Detail	
ы		Qty	1
Each		Unit	Dan Dan
Dia 63mm x L570mm stainless steel 700TVL Camera IP68 Waterproof up to 50Bar I00m-500m twist wires cable with electric winch HD DRV Control Box with Audio/Video recording function Built-in 128G Solid state drives to storage video/audio files Builtin Compass and temperature sensor Dual Camera Ø 63mm L570mm stainless steel casing Waterproof IP68 operating depth 50 bars (725 PSI) Dual camera down & side viewing Pan 360° rotate endless View angle 120° Sensor resolution PAL 720Hx576V NTSC 720Hx480V Horizon resolution 700 TVL 6 pcs high light LED (Down View) 6 pcs high light LED (Side View) Camera weight: 6 Kg Electric Winch Winding speed: 0-20m/min Cable Speed: Adjustable Ø10mm Twisted pair cable (300M) Power supply: 230V On screen depth encoder Electric cable rolling Control Unit Monitor 10° Industrial color monitor Display mode: 4:3 Resolution: 1024*768 Control Panel Video input option: Borehole Camera or Pan & Tilt Camera	Main Features  Dual waterproof camera for deep well inspection	Description	As per render/ kequirement
Brand: Mechatronics Model: V-10		Item Qouted	M/s
14567300.0		Rate	M/s Asif & Company
29134600.0		Amount	pany
Brand: SHENZHEN Model: V10- BCS		Item Qouted	M/s Al Meo Builders &
16111433.8		Rate	
32222867.6		Amount	Developers
The Bid offered by M/s Asif & Company is comparatively lower		Remarks	1

	274564871.8			233729926.3			Grand Total		
	41910277.1			35653717.6			GST (if Applicable)		
	232654594.8			198076208.8			Total Amount		
	2245300.0			1200000.0			Installation, Calibration and Service Charge		
							On Screen depth encoder temperature & direction.		
							Video storage Medium: Builtin 128GB SSD or USB Device		
							HD DVR Audio/Video recording and playback		
							control button.		
							Down & side camera select button & LED brightness	-	
	٠						Camera Rotation control button (Clockwise & counter	-	
4							Winch operating knob: (adjustable speed, cable up & down, brake)		
Remarks	Amount	Rate	Item Qouted	Amount	Rate	Item Qouted	Item Detail Qty Per Description	Sr#	
¥	Developers	Builders & 1	M/s Al Meo Builders & Developers	pany	M/s Asif & Company	M/s A	As per Tender/ Requirement		

Musarrat Mokhtar
Deputy Director (Inspection)
Industries & Commerce Deptt
MUSARTAR
Deputy Director (Inspection)
Industries & Commerce Department

Government of Sindh

Ghulam Hassar Bughio
Deputy Director (A&A)
MEC, P&D Department
(Chairman)ctor
Monitoring & Evaluation Cell

Monitoring & Evaluation Cell Planning & Development Department Government of Sin4h

Berauth

Auranggeb Vistro RMEO Karachi Region MEC, P&D Department (Member/Secretary)

Regional Monitoring & Evaluation Officer (MEC)
Plaining & Development Department
Government of Sindh
Karachi

# MINUTES OF MEETING FOR OPENING OF FINANCIAL BIDS DATED: 30.05.2023 @11:30 AM

Tender No.

AD(A&A)/52(MEC)/P&D/2023/-

Method and procedure of procurement:

Open Competitive Bidding (National Competitive Bidding) (Single Stage – Two

Envelope)

Description of work:

"Procurement of Monitoring Equipment" against ADP scheme No. 2632 titled as "Strengthening & Capacity Building of Regional Offices of M & E Cell at Hyderabad & Sukkur"

A meeting of the Procurement Committee (the 'Committee'), constituted vide Planning & Development Department's notification No.SO(ADMN-I)(P&D)12(97)2012/590 dated: 14th February, 2023 was held in respect of Tender # AD (A&A)/52(MEC)/P&D/2023/- for "Procurement of Monitoring Equipment" (the 'Assignment') against FY 2022-23. The tender was called under ADP scheme No. 2632 titled "Strengthening & Capacity Building of Regional Offices of M & E Cell at Hyderabad & Sukkur" under the chairmanship of the Deputy Director (A&A), Monitoring & Evaluation Cell, Planning & Development Department (the 'Procuring Agency') in his office on Tuesday, 30th May, 2023 @ 11:30 am. The agenda of meeting was to open the received Financial Bids in terms of SPPRA Rules 2010 (amended up to date).

- 2. The meeting was attended by following participants of the procurement committee. (Attendance sheet is enclosed).
  - i. Deputy Director (A&A) (MEC), P&D Deptt, GoS (Chairman)
  - ii. RMEO Karachi region, MEC, P&D Deptt, GoS (Secretary/Technical Member)
  - iii. Deputy Director (Inspection), Industries & Commerce Deptt, GoS (Member)
- 3. The agenda of meeting was to open the financial bids of following two (02) responsive & technically qualified bidders:
  - i. Asif & Company, Karachi.
  - ii. Al-Meo Builders & Developers, Karachi.
- 4. The financial bids of both bidders were opened and the quoted rates of bids were read aloud and encircled by the Procurement Committee members before firm's representatives. All the members of the procurement committee signed on the financial bids.
- 5. The detail of both financial bids is as under:



S. No	Vendor	Bid Quoted Amount	Rate after arithmetical	2% Bid Security amount submitted	Bid Security	Bank/Branch
1	Asif & Company,		checking	amount submitted	detail	- unit Brunch
1	Karachi	233,729,926.34/-	233,729,926.34/-	5,000,000/-	BC06070197	Soneri Bank
	Al-Meo Builders &			(0046)	(0046)	
2	Developers, Karachi	274,744,821.83/-	274,564,871.8	5,500,000/-	BC No.09862608	Bank Al-Habit (5047)

S No	Name of Firm or Bidder	Cost offered by the Bidder	Rate after arithmetical checking	Ranking in terms of cost	Comparison with Estimated cost	Reason for acceptance/rejection	Remarks
-		2		3	4	5	6
1.	Asif & Company, Karachi	233,729,926.34/-	233,729,926.34/-	1st	Firm's bid is above the approved budgetary allocation but it is within 15% excess over AA (Rule 11.1.2 Regulation For Procurement of Works)	Accepted being the Mos Advantageous bidder in Items	st
2	Builders & Developers, Karachi	274,744,821.83/-	274,564,871.8	2 <sup>nd</sup>	-	Not Accepted. Firm has high price	quoted

6. The Procurement Committee found that the bid offered by Asif & Company, Karachi in respect of Tender # AD (A&A)/52(MEC)/P&D/2023/- was lower than Al-Meo Builders & Developers, Karachi. Thus, the Procurement Committee declared the bid offered by Asif & Company, Karachi amounting to Rs. 233,729,926.34/- in words (PKR Two Hundred Thirty-Three Million Seven Hundred Twenty-Nine Thousand and Nine Hundred Twenty-Six Rupees) as the Most Advantageous Bid and recommended the award of the goods contract titled as "Procurement of Monitoring Equipment" to the firm.

Later, the meeting ended with the note of thanks to and from the chair.

PROCU	REMENT COMMIT	TEE MEMBERS	
Name/Designation	Department		Sland
Ghulam Hassan Bughio Deputy Director (A&A)	MEC, P&D Deptt, Govt: of Sindh	Chairman	Signature
Aurangzeb Vistro RMEO Karachi Region	MEC, P&D Deptt, Govt: of Sindh	Member/Secretary	a gove
Musarrat Mokhtar Deputy Director (Inspection)	Industries & Commerce Deptt, Govt: of Sindh	Member	W.



### GOVERNMENT OF SINDH PLANNING & DEVELOPMENT BOARD SINDH, (MONITORING & EVALUATION CELL)

### **ATTENDANCE SHEET**

Subject:

MEETING OF PROCUREMENT COMMITTEE FOR OPENING OF FINANCIAL BIDS OF TENDER TITLED "PROCUREMENT OF MONITORING EQUIPMENTS" AGAINST ADP SCHEME TITLED "STRENGTHENING & CAPACITY BUILDING OF REGIONAL OFFICES OF M&E CELL AT

HYDERABAD & SUKKUR

(ADP # 2632)".

Tender No.

 $AD(A\&A)/52(MEC)/P\&D/2023/\_\ ``Procurement\ of\ Monitoring\ Equipment"$ 

Meeting Date: Tuesday, 30th May, 2023

Opening Time: 11:30 am

	PROC	CUREMENT COMMITTEE MEN	MBERS	
Sr.No.	Name /Designation	<u>Department</u>		Signature
1.	Ghulam Hassan Bughio, Deputy Director (A&A) (MEC)	M&E Cell, P&D Department, Govt: of Sindh	In Chair	1200
2.	Aurangzeb Vistro RMEO (Karachi Region),	M&E Cell, P&D Department, Govt: of Sindh	Member/ Secretary	230.523
3.	Musarrat Mokhtar Deputy Director (Inspection)	Industeries & Commerce Department, Govt: of Sindh	Member	120/6/N

### **ATTENDANCE SHEET**

(BIDDERS / REPRSENTATIVES)

Subject:

MEETING OF PROCUREMENT COMMITTEE FOR OPENING OF FINANCIAL BIDS OF TENDER TITLED "PROCUREMENT OF MONITORING EQUIPMENTS" AGAINST ADP SCHEME TITLED "STRENGTHENING & CAPACITY BUILDING OF REGIONAL OFFICES OF M&E CELL AT

HYDERABAD & SUKKUR

(ADP # 2632)".

Tender No.

 $AD(A\&A)/52(MEC)/P\&D/2023/\_\ ``Procurement\ of\ Monitoring\ Equipment"$ 

Meeting Date: Tuesday, 30th May, 2023

Opening Time: 11:30 am

Sr No	Firm Name	Rep Name	Contact No	Signature
1	Asig DCompany	Danish	0312-8257519	
2	Al-MEO Builder		03022278212	1
3				



### **MEETING NOTICE**



### 

Karachi, dated: 29th May, 2023

1. M/s Asif & Company Suite No. 602, 6<sup>th</sup> Floor, Mashrique Center, Sir Shah Suleman Road, Gulshan-e-Iqbal Block-14 Karachi.

2. M/s Al-Meo Builders & Developers, Bunglow No. B-133, Block-N, North Nazimabad, Karachi.

Subject: -

OPENING OF FINANCIAL BIDS.

"PROCURENT OF MONITORING EQUIPMENT" AGAINST THE ADP SCHEME TITLED "STRENGTHENING & CAPACITY BUILDING OF REGIONAL OFFICES OF M&E CELL AT HYDERABAD & SUKKUR (ADP # 2632).

Ref

TENDER NO. AD(A&A)/52(MEC)/P&D/2023/- "Procurement of Monitoring Equipment" SPPRA ID # T00856-22-0003

I am directed to invite your kind attention to the above subject and to inform that the technical bid submitted by your firm against Tender No. AD(A&A)/52(MEC)/P&D/2023/for "Procurement of Monitoring Equipment" has been declared as responsive & technically qualified against BOQ/Specification & other terms conditions mentioned in the bidding documents by the notified Consultant Selection Committee.

Now, a meeting of notified Procurement Committee has been scheduled on Tuesday, 30<sup>th</sup> May,2023 @ 11:30 am in the office of Regional Monitoring & Evaluation Officer (RMEO) Karachi Region, P&D Department, Barrack No.92, Opposite Sindh Assembly Building, Karachi for opening of financial bids.

In view of above, you may send your representative along with authority letter & original CNIC to witness the financial bids opening against subject tender.

(Saeed Ahmed Nizamani) Procurement Specialist (MEC)

Tel: 021-99211927 /99211403

### C.C. to:

- P.S. to Chairman, P&D Board Sindh, Karachi.
- P.S. to Secretary (Planning), P&D Department, Govt: of Sindh, Karachi.
- PS to DG (MEC), P&D Deptt: Govt: of Sindh, Karachi.

File Record.

# TECHNICAL EVALUATION REPORT

ADP NAME & NO. "Strengthening & Capacity Building of Regional Offices of M&E Cell at Hyderabad & Sukkur (ADP # 2632)

**Tender Name:** Procurement of Monitororing Equipment **Tender No:** AD(A&A)/52(MEC)/P&D/2023/-

Opening Date: 26-May-2025

ы	-	Sr#	
WIRELESS CRACK WIDTH GAUGE	Drones	Item Detail	
4	4	Qty	A
as bridges, tunnels, towers, buildings, concrete components, pavement, metal components and so on. The Wirless crack width gauge uses modern electronic imaging technology to image the original structure on the tablet computer aud automatically read out the real and reliable crack width data through high precision scale on screen  Specification  Specification:  Specification:  Measurement accuracy: 0.01 mm  Messurement accuracy: 0.01 mm  Magnification: Digital 60 times  Width Detection: stand by  Storage capacity: 32G(expandable)  Data transmission mode: Wireless cloud transmission(optional)  Probe powder supply mode: Built-in rechargeable lithium battery  Operational mode: Touch screen +shortcut  Connection mode: Wifi  Interpretation method: Automatic interpretation/ manual interpretation	Main features of the Product  Specifications Performance 1" 20MP CMOS Sensor Gimbal-Stabilized 4K 60/20MP Imaging Flight Autonomy with Redundant Sensors Four Directions of Obstacle Avoidance Top Speed of 44 mph in Sport Mode Maximum Control Range of 4.3 Miles Visual Tracking of Moving Subject Up to 30 Minutes Flying Time Remote Controller with 1080p Display  Features & Specs  Wireless crack width gauge is used to measure the width of cracks such	Description	As per Tender/Requirement
Brand: IWINTESTING Model: F 230	Brand: DJI Model: Mavic 3 Classic	M/s Asif & Company	As per
Brand: MATEST Model: C 399	Brand: DJI Model: Phantom 4 Pro	M/s Al-Meo Builders & Developers	As per Vendors
Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified	Remarks	•

			As per Tender/ Requirement			F
7		_		As pe	As per Vendors	0
# #	# Item Detail	Qty		M/s Asif &	M/s Al-Meo Builders	Remarks
			Measuring range: 0 - 3000 µs - accuracy +/- 0,1 µs Selection of the ultrasonic miles amplitude additional of	Company	& Developers	
			1000V	***		
			Single or continuous acquisition mode with automatic or manual saving.			
			Zero calibration with depuration of the time for the pulse to go through the probes.			
			Capacity of data acquisition, processing and filing of the test data up to			
c	Ultrasonic Pulse Velocity Meter,	∞	SB for PC connection. oliance includes:	Brand: MATEST	Brand: MATEST	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo
			tion in a practical palmer container.	NI 606 O : 1000 II	Model: C 369 N	Builders & Developers are qualified
			Two 55kHz probes with connection cables. Calibrating cylinder and contact paste.		*	
	7		Battery rechargeable pack NiMh 4,8V > 2000m/A with low battery condition alarm	140		
			Anti shock case holding the unit and the accessories. External feeder 230V and battery charger 12V 500m/A.			
			Measuring ranges from 0.039 to 8.85 in/1 to 225mm,			
			Resolution: $0.01  \text{mm}$ . you can get accurate ( $\pm 0.5\% H + 0.05  \text{mm}$ ) readings in inch or mm in $0.5  \text{seconds}$ .			
			Sound velocity from 1000 to 9999m/s	13		
4	Portable Ultrasonic	4	Multi-Functional: 2.4" HD color screen display with backlit & 5 selectable color display, storage up to 500 data, statistic view, calibration, auto-off, and restores factory settings function			BBoth Vendors i.e. M/s
	I hickness Gauge		netal	Brand: Wintact Model: WT 100A	Brand: EVIDENT Model: 45 MG	Asif & Company & M/s Al- Meo Builders &
			Ceramics, Pipes and any other good ultrasonic wave conductor as long as it has parallel top and bottom surfaces.			Developers are qualified
9	<b>1</b> €:		What You Get: 1x Digital ultrasonic thickness gauge, 1x Probe 5MHz, Built-in metal calibration block, 1x USB Cable, 3x Rechargeable Battery, 1x Operation Manual, and 12 months warranty, and a friendly			
	Portable Ultrasonic		Measuring range: 0 ~ 1500um/0~59mils Accuracy: ±736/11.11			
2	Coating Thickness	8	<	Brand B N C Looling		Both Vendors i.e. M/s Asif
	Gauge,	. 3	nlates Blostic chim toot	202	Model: PosiTector 6000	& Company & M/s Al-Meo Builders & Development
		100	cannot brace, r tastic shim test set, carrying case.	1		qualified

,

		<b>A</b>	As per Tender/Requirement	As nor	Vendors	
Sr#	Item Detail	Qty	Description	M/s Asif &	M/s Al-Meo Builders & Developers	Remarks
6 Por	Portable Handheld Metal Locator	4	1. Power:6 x 1.5V AA included 2. Frequency:7.5 KHz 3. Current:Standby: 65mA Max: 150mA 4. Voltage:7.2-9.6V 5. Operating Temperature:-20 to +60 6. Sensitivity:US 50 Cent: 200mm 7. Indication Mode:LCD Mode 8. Stretch Length:23-31 inches 9. Detector Diameter:8.3 inches	Brand: Smart Sensor Model: MD-3010II	Brand: EIA Model: ALIS-RT	Both, Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
7 Сол	Concrete Covermeter	6	Main Features Rebar location Rebar orientation Depth of cover Cover reading thickness mm or inches Large graphic display with backlight Multiple language menu structure Signal strength bar Interchangeable heads with led and keypad User selectable bar range sizes and numbers Autosize mode for quick bar diameter determination Orthogonal mode for bar diameter determination Other models of search head available on order for Narrow pitch search, Deep cover search, Borehole. See accessories. RS 232 output to PC EDTS MS EXCEL link software Data logging Adjustable beep volume & earphone socket	Brand: Controls Model: BS 1881-204	Brand: Controls Model: B8-09A	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
LAS ME EQI LAS	LASER MEASURING & MARKING EQUIPMENT LASER LEVEL	4	SPECIFICATIONS:  The laser level has one horizontal 360 Degree and two vertical laser lines in a 90 Degree angle, plus one plumb down point, for the most useful laser configurations in one tool  Up to 4x better visibility: With green laser technology, the line level delivers up to 4x better visibility than laser levels with red laser lines Easy-to-use: A sliding on/off switch and two-button keypad enables one-handed control of the green laser level  Precise results: For highly accurate measuring, the line level delivers precise results within ± 0.4 mm/m (lines) and +/- 1.0 mm/m (plumb point)  Self-levelling: The laser level can self-level up to ± 4	Brand: DONGCHENG Model: DFF06-41	Brand: BOSCH Model: GLL-2-15 G	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified

		7	As per Tender/ Requirement	As per	As per Vendors	6
Sr#	t Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	Remarks
6	LASER DISTANCE METER	4	Laser Measure includes multiple measurement capabilities such as area, distance, length, volume, continuous measurement, addition and subtraction. Measuring distance extends up to 135 feet MEMORY: Conveniently stores up to 10 measurements to increase productivity. Real time laser measurements adjust as the user moves closer and farther away, just like a tape measure VISIBILITY: Laser Measure features a backlit screen for better visibility and resolution in dark work areas ACCURACY: measures to within +/ 1/16 in. for extreme accuracy and precision	Brand: UNI-T Model: LM 40	Brand: BOSCH Model: GLM40	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
10	Thermometer for Asphalt, Bitumen & Concrete Bitumen Thermometer	9	Measurement Instruments Certification: Ansi Standard K-type Power Source: Battery Powered Number of Batteries: 1 9V batteries required. (included) Item Length 11 inches Maximum Storage Temperature 140 Degrees Fahrenheit Minimum Storage Temperature 20 Degrees Fahrenheit Upper Temperature Rating: 1999 Degrees Fahrenheit Response Time 0.5 seconds Resolution 3 1/2 digit Immersion Depth 8 Inches Item Weight 1.28 pounds Product Dimensions 11 x 7 x 1 inches Material Stainless Steel Measurement System Fahrenheit and Celsius OPTIONAL ACCESSORY "K-TYPE Thermocouple with Wire & Handle for above Bitumen Thermometer k-Type Thermocouple Probe with Wire & Handle.	Brand: MN Measurement Instruments Model: DM6801- 'Brand: HANNA Model: HI935005	Brand: MYZOX Model: AST10	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
п,	Portable Water Quality Analyzer PH/MV Electronic Data Logger with Printer/ph Meter	- 4	Specification  Measuring Range: 0 to 14pH-1999 to 2000mV  Accuracy: ±(0.01pH +1 dgt.)±(2mV +1 dgt.)  Resolution: 0.01pH - 0.1/1mV  Temperature  Measuring Range: 32 to 230°F (0 to 110°C)  Accuracy: ±0.4°F (0.2°C) +1 dgt.  Resolution: 0.1°F (0.1°C)  Auto Shut-off  Low Battery Indicator	Brand: AZ Instrumental Model: AZ9861	Brand: TOA DK Model: P30	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
		1	MD/6)			



Ele Ta Ty 201 Ap acc co1 or	Hig Pou 12 Tyy TD /Te	Sr#	
Electronic Tacheometer Type ZTS-420L8 complete with Appropriate acessories for completing the job or Equivalent	High Quality Portable Pocket Type 5 in 1 TDC/EC/PH/Salinity /Temperature Meter	Item Detail	
4	4	Qty	A
Main features Measurement Method: Absolute encoding Minimum readout: 1"/5"/10" Accuracy: 2" Accuracy: 2" Reflectorless Range: 800M With single prism: 7500M Measuring Time: 1.5 Second Reticle: illuminated Interface: Bluetooth/RS232/SD Card4/USB Pen Drive Interface: Bluetooth/RS232/SD Card4/U	This 4-in-1 meter measures Conductivity, Total Dissolved Solids (TDS), Salinity, and Temperature.	Description	As per Tender/ Requirement
Brand: HI Target Model: ZTS -420L8	Brand: Multifunction Model: EZ-9909	M/s Asif & Company	As per
Brand: PENTAX Model: R200	Brand: AZ Instruments Model: 8721AZ	M/s Al-Meo Builders & Developers	As per Vendors
Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified	Remarks	

J. (2) Dur

ription  Company  Jarity in both bituminous and nists essentially of a 3 metre long the extremities. In the middle of the wheel connected to an of 4:1 and measures deviations of wn on a scale calibrated in nd 5 mm up to 25 mm.  Assemblies which are quickly pprox.  Beam Device mod. B098N, it surface profile. It records up to the paper rolls. Supplied complete ad pens. B098-03N DYE-MARKER usurface profile. It records up to that paper rolls. Supplied complete ad pens. B098-03N DYE-MARKER waspect areas.  CASE to house the Travelling Beam (0 mm approx.  Type of tool that can drill holes in with the recorder.  Type of tool that can drill holes in with the recorder.  Type of tool that madiliation, migh efficiency, smooth itable for equipment installation, on, civil engineering quality y, railway, railway bridge tunnel and on, installation fields.				As per Tender/ Requirement	As per	As per Vendors	
Used to detect and check my irregularity in both bituminous and concrete road surfaces. The unit consists essentially of a 3 merter long beam for contract end surfaces. In the middle of the beam a sensing unit comprising a wheel connected to an indicator provides a magnification of 4:1 and measures deviations of the surface. The deviations are shown on a scale calibrated in increments of 2 mm up to 10 mm and 5 mm up to 32 mm.  The beam is supplied as three sub-assemblies which are quickly assembled on size.  Dervice:  Dimension: 390-8220x (1080 mm approx.  AUTOCRAPHIC RECORDING DEVICE  When connected to the Travelling Beam Device and B098N, it provides a permanent record of the strike profile. It records up to 1000 meters surface not the special chart paper rolls. Supplied complete with 10 chart rolls and 2 fibe-tipped pears. B098-43N ONDEN CARRYING CASE to house the Travelling Beam Device.  B098-64 WOODEN CARRYING CASE to house the Travelling Beam Device. B098-65 WOODEN CARRYING CASE to house the Travelling Beam Device. B098-65 WOODEN CARRYING CASE to house the Travelling Beam Device. B098-65 WOODEN CARRYING CASE to house the Travelling Beam Device. B098-65 WOODEN CARRYING CASE to house the Travelling Beam Device. B098-65 WOODEN CARRYING CASE to house the Travelling Beam Device. Diamension: 1 Pack of 10 chart rolls for upprox. 1000 meter run. B098-12 Fiber-inped pear for tase with the recorder.  B098-12 Fiber-inped pear for tase we type of tool that can drill holes in the provides a new type of tool that can defined by a beautiful to the wall and accurate size. It is satisfied for equipment installation, where the and electricity, safery arrivalty, rightway, rightway, rightway, pullipure, and electricity safe installation, civil engineering quality may and electricity sa installation, did engineering quality may be and electricity sa installation installation and electricity.	Sr #		Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	Remarks
Indicator provides a magnification of 4:1 and measures deviations of indicator provides a magnification of 4:1 and measures deviations of measures are subnown on a scale calibrated in increments of 2 mm up to 10 mm and 5 mm up to 3 5 mm, and 5 mm up to 35 mm, assembled on a site.  Traveling Beam ACCESSORIES  Device: Dimension; 790x3200x1080 mm approx.  ACCESSORIES  When connected to the Travelling Beam Device mod. B098N, it provides a parament record of the surface profile. It records up to 1000 meter surface on the special chart paper rolls. Supplied complete with 10 chart rolls and 2 fibe-dipped pens. B098-030 DTE-MARKER with 10 chart rolls and 2 fibe-dipped pens. B098-030 DTE-MARKER with 10 chart rolls and 2 fibe-dipped pens. B098-030 DTE-MARKER with 10 chart rolls and 2 fibe-dipped pens. B098-030 DTE-MARKER with 10 chart rolls and 2 fibe-dipped pens. B098-030 DTE-MARKER with 10 chart rolls and 2 fibe-dipped pens. B098-030 DTE-MARKER with 10 chart rolls and 2 fibe-dipped pens. B098-10 meator rolls. B098-10 meators of 1000 meter and 1000				Used to detect and check any irregularity in both bituminous and concrete road surfaces. The unit consists essentially of a 3 metre long beam fixed on two rigid wheels at the extremities. In the middle of the beam a sensing unit comprising a wheel connected to an	**************************************		
B098-05 WOODEN CARRYING CASE to house the Travelling Beam Device. Dimensions: 1480x680x510 mm approx. SPARES B098-12 Pack of 10 chart rolls for approx. 1000 metre run. B098-12 Fibre-tipped pen for use with the recorder. B098-13 Dye-marker paint bottle. Drilling range: 015-305mm Rated voltage: 220V- Rated power: 50-60Hz Input power: 4550W No-load speed: 380r / min Diamond drilling machine is a new type of tool that can drill holes in Portable Universal I reinforced concrete, masonry, rock, ceramics and refractory materials. It has the characteristics of dust-free operation, high efficiency, smooth hole wall and accurate size. It is suitable for equipment installation, water and electricity, gas installation, civil engineering quality inspection, airport runway, highway, railway bridge tunnel and other construction, quality inspection, installation fields.	41		4	indicator provides a magnification of 4:1 and measures deviations of the surface. The deviations are shown on a scale calibrated in increments of 2 mm up to 10 mm and 5 mm up to 25 mm.  The beam is supplied as three sub-assemblies which are quickly assembled on site.  Dimension: 790x3200x1080 mm approx.  Weight: 55 kg approx.  ACCESSORIES  B098-01N  AUTOGRAPHIC RECORDING DEVICE  When connected to the Travelling Beam Device mod. B098N, it provides a permanent record of the surface profile. It records up to 1000 metre surface on the special chart paper rolls. Supplied complete with 10 chart rolls and 2 fibre-tipped pens. B098-03N DYE-MARKER with paint bottle, used to identify suspect areas.	Brand: MATEST Model: B098 N	Brand: MATEST Model: B098 N	Both Vendors i.e. M/s Asi & Company & M/s Al-Me Builders & Developers ar qualified
Bated voltage: 220V- Rated bower: 50-60Hz Input power: 4550W No-load speed: 380r / min POWERED Portable Universal Core Drilling Rachine Machine  Diamond drilling range: 015-305mm Rated voltage: 220V- Rated power: 50-60Hz Input power: 4550W No-load speed: 380r / min Power: 4550W No-load speed: 380r / min Power: 4550W It has the characteristics of dust-free operation, high efficiency, smooth hole wall and accurate size. It is suitable for equipment installation, water and electricity, gas installation, civil engineering quality inspection, airport runway, highway, railway bridge tunnel and other construction, quality inspection, installation fields.				B098-05 WOODEN CARRYING CASE to house the Travelling Beam Device. Dimensions: 1480x680x510 mm approx. SPARES B098-11 Pack of 10 chart rolls for approx. 1000 metre run. B098-12 Fibre-tipped pen for use with the recorder. B098-13 Dve-marker paint bottle.			1 20
POWERED Diamond drilling machine is a new type of tool that can drill holes in reinforced concrete, masonry, rock, ceramics and refractory materials.  Core Drilling Machine Machine Machine Machine Machine Mater and electricity, gas installation, civil engineering quality inspection, airport runway, highway, railway bridge tunnel and other construction, quality inspection, installation fields.		GASOLINE		Drilling range: Ø15-305mm Rated voltage: 220V- Rated power: 50-60Hz Input power: 4550W No-load speed: 380r / min			Both Vandore i a Me Aci
M	15		-	Diamond drilling machine is a new type of tool that can drill holes in reinforced concrete, masonry, rock, ceramics and refractory materials. It has the characteristics of dust-free operation, high efficiency, smooth hole wall and accurate size. It is suitable for equipment installation.	Brand: Lucky CM Model: OB.305B	Brand: KOR-IT Model: K-501-G25	& Company & M/s Al-Me Builders & Developers ar qualified
			1/	water and electricity, gas installation, civil engineering quality inspection, airport runway, highway, railway, railway bridge tunnel and other construction, quality inspection, installation fields.	7	(a) gre	

			As per Tender/Requirement		Thereal Lines	
Sr#	Item Detail	Qty	Description	M/s Asif &	& M/s Al-Meo Builders	Remarks
	INDERGROINE		utility locator series uses industry-leading digital signal processing to identify underground assets deeper, faster and more accurately than any other system	,		
16	CABLE & PIPE LOCATOR	4	ble locator uses conductive or inductive methods to find , Cables, Manhole Covers etc with a high level of r example, a conductive pipe locator may be used to apply nal to a coated metallic pipe at an access point such as a er.	Brand: Leica Model: DD 100/200 Series	Brand: LEICA Model: DD130/230	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
17	Digital Vernier Calliper Specification:	4	Measuring range: 0-150mm /0-6 inch .;Accuracy: + 0.02 mm/ 0.001 in. (100 - 150 mm). Resolution: 0.01mm/ 0.0005 in Repeatability: 0.01mm/ 0.0005 in.  -Maximum measurement speed: 1m/s;Power: 1 x 1.5V SR44 (silver	Brand: INGCO Model: HDCD01150	Brand: LOUISEWARE Model: RO-04	BBoth Vendors i.e. M/s Asif & Company & M/s Al- Meo Builders &
18	Steel Diameter Gauge plate Specification:	4	ter Gage Steel EL WIRE WELDING GAUGE: Metal sheets gauge is made of high quality stainless steel, sturdy cful measuring tool for help you save time and	Brand: HERCHR Model: 4809 INSIZE	Brand: HERCHR Model: 4809 INSIZE	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
	q		Features & specs Temperature testing The measuring range is $-10^{\circ}\text{C} \sim 400^{\circ}\text{C}$ . Capturing an astonishing level of detail through high thermal sensitivity, isolating the smallest temperature anomalies Resolution			
19	Thermography Infrared IRT	4	I resolution, 33° Field of View. Capture a clear, accurate sed throughout the field of view imaging camera technics	Brand: Noyafa Model: NF-521	Brand: NOYAFA Model: NF-521	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
		87	Use 2 megapixel white lens and 2.4 TFT LCD screen to visualize targets more flexibly			
			Integrated visual display  Combine infrared and visible images for simpler analysis and edit and		6) Sept	
	The second secon					

			As per remain medianemin	As per	As per Vendors	
Sr #	f Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	Remarks
			Digital Multi function moisture meter use for measuring the moisture content of Soil, Cement, Sand, Plater, Concrete and Mortar etc.			
20	Multi Function Digital Moisture Meter	-	Specification Display:4 digital LCD Measuring range :0-50% Operation condition: Temperature:0-60°C Humidity:5%-90%RH Resolusion:0.1 Accuracy: ± 2%n(Non- saturation condition) Power supply: 4x1.5 AAA size (UM-4)(not included) battery Dimensions:140mm×60mm×22mm Needle: 280mm Weight:210g	Brand: TSINGITAO Model: PMS 710/CHINA	Brand: CHINA Model: PMS 710/CHINA	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
21	Optical Measuring Instrument	6	Features & specification High precision engineering auto level  * Magnetically damped compensator that supports accurate instrument leveling  * High resolution telescope for quick and clear target sighting  * Designed and developed for best performance in various civil engineering and construction projects  Magnification: 32 x  Length of Tube: 218 mm Image: Erect Objective Aperture: 45 mm Field of View: 1°·20′  Resolution (JIS Standard) 2.5″  Minimum Focus: 3 m (from the centre of the instrument) Focusing Know: 2 speed Stadia Ratio: 100  Horizontal Circle: 1°  Automatic Compensator  Accuracy: 0.3″  Range: ± 15′  Circular Bubble Sensitively: ≤ 8′/2 mm Sighting Device: Collimator Standard Deviation: ± 0.7 mm (1km double run leveling)** ± 0.4 mm, Waterproof Grade: IPX6 Size: 218 (L) x 132 (W) x 142 (H) mm Weight: 1.1 kndada	Brand: Pentax Model: AL- M Series	Brand: PENTAX Model: ALM 23	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
		3	Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench Adjusting Pin, Aluminum Tripod stand & Aluminum staff pole	1		

	Γ			As per Tender/Requirement		
	Sr#	Item Detail	Qty	Description	M/s Asif &	& M/s Al-Meo Builders
				Concrete Test Hammer ASTM, EN, DIN, BS and NF Test Standards.	Company	& Developers
	22	Concrete Schmidt Hammer	4	Description & Specification Type "N "range 10 to 70 N/mm2 (100 to 700 kgf/cm2) Impact Energy 0.225 mkg (2.207 joules) Included certificate calibration by KAN For non-destructive strength testing of concrete and structural components. In operation, the hammer hits the concrete at a defined energy. Its rebound is dependent on the hardness of the concrete. Through the use of the included conversion table, the rebound value can be converted to compressive strength. The standard (Type N) hammers that display rebound values on a mechanical sliding scale. For testing thin walled structural components with a thickness of less than 10 cm or rock cores.  Accessories included 1 x Test Hammer, 1 x Carbondum rubbing stone, 1 x Manual Operation, 1 x Carrying bag.	Brand: MATEST Model: IWIN-HT225	Brand: PCTE:  Brand: PCTE:  & Company & M/s Al-Meo Builders & Developers are qualified
N N		•		integrated Rebar detector are mainly used for detecting the internal reinforcement position, the protective layer thickness, reinforcement spacing and diameter of rebar. It can accurately draw the distribution map of the whole rebar, to provide test data with high precision and high speed; the integrated structure of the host and the sensor coil, making it is convenient and quick when carrying and field operation; It is characterized in coil structure design, faster speed, higher accuracy, stronger resolution.		
	23	Integrated Rebar Detector	2	-φ50 185 ithium battery	Brand: OBRK Model: R 900	Brand: UTEST & Company & M/s Al-Meo Model: UTC-2082 Builders & Developers are qualified
		£.	S C C S	Storage 200K Measuring point of steel bar Display resolution 2.8-inch high-resolution color LCD screen (320×240 pixels) Set shutdown time 5m, 10m, 15m, 30m, 60m, 60m.		(a) 50m
				71, 1011, 10m, 50m, 60m, 90m		

Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified	Brand: PULSAR Model: DFM 6.1	Brand: Ultrasonic Model: TUF-2000H	230VAC (12 hours working after sufficient nNi-H Lithium battery nNi-H Lithium battery alue ±1%, flow rate greater than 0.2m/s et, Cubic Meter, Liter, Cubic Feet, US el, stainless steel, cast iron, copper, PVC, el, stainless steel, cast iron, copper, PVC, inds of pure liquids such as pure water and ogger, can store 32Mbit memory entional -30-90°C, high temperature types ost 67 transfer of the composition of th	sster 2	Doppler Flow Tester	27
	& Developers	Company	Power supply  External power/internal battery: 10.5v to 28v/ removable 2.6 Ah: 7.4V Operating Time (Static/Rover): 9h/6h Protection class: IP68 Operating Temperature: -40 Deg. C TO + 65 Deg. C Humidity: 100% condensing Complete with Base Station + Rover + Field Controller + Batteries + Charger + Antennas + Tribrach+ Tripod Stand + Fiber Pole Handheld portable Ultrasonic Doppler water flow meter Features & specificaton  Measurement Accuracy: Flow ±1%, Heat ±2% Sensor Probe Measurement Range: DN15-100mm(TS-2)/DN50 700mm(TM-1)/DN300-6000mm(TL-1) Power supply mode: Rechargeable battery power supply (charger included) Charging time: 8 hours Use time: 12 hours or more			
Remarks	M/s Al-Meo Builders	M/s Asif &	Description	il Qty	Item Detail	Sr#
	As per Vendors	As pe	As per Tender/ Requirement			

		A	As per Tender/ Requirement	As per	As per Vendors	-
Sr#	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	Remarks
28	Concrete Compression Testing Machine "MATEST" (Italy) Model C055 OR	1	Compression machine 2000 kN motorized with Digital control unit, to test cubes up to 150 mm side and cylinders up to dia. 160x320 mm.	Brand: Matest Model: C055	Brand: TMI Model: CM 5000	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
25	Ultrasonic Thickness Gauge "SADT" Model SA40+ OR EQUIVALENT	2	Using new technique of multiple echo (echo-to-echo) it can measure wall thickness under paint. For a normal ultrasonic thickness gauge, you must remove paint on work piece, but with new technology, it takes measurement directly over the paint of work piece and you can get real thickness value of work piece. it has two measuring modes: normal mode and multiple echo(MEC) mode. By normal mode, it is a normal ultrasonic thickness gauge; by MEC mode, it can measure over coatings.  Specification  Technique: pulse echo with dual probe Display: 4 digits LCD with backlight Measuring range: 0.7 to300.0mm  Resolution: 0.01mm 0.8-99.99mm, 0.1mm 100.0-300.0mm  Velocity range: 500-9999m/sec. Display circle: 1 sec. Coupling indication  Memory: 40 data can be stored and re-readable Units: mm or inch  Low battery indicator on LCD  Auto shut-off: after 5 min. of non-use Power: 2 ea. 1.5V AA alkaline cells Operating temperature: 0-40°C Operating humidity: 20-90%RH Size: 124x67x30mm  Weight: 240g	Brand: SADT Model: SA 40+	Brand: SADT Model: SA 40+	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified



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		o c	31 20 A	0		-			9	30 T.		4	r #	4
		completing the job or equivalent	Android Data collector & recorder	On-site Handheld					or equivalent	Optical Micrometer Type OM5 for completing the job			Item Detail	
		ie .	2							2			Qty	5
GNSS Specification Channels: 72, Tracking: GPS, BDS, GLONASS, GALILEO, Accuracy: Single 1-3m Communication specification GSM, Wifi, Bluetooth SD Card, USB	Screen size: 5", Resolution: 1280x720, Density: 320 dpi, Brightness: 400 nits, Touch panel: Capacitive, TFT, Touch: 10 touch points	With stylus pen to operate accurate even in rain mode.  IP67 Dustproof & waterproof System Specification Processor: MT6762, OS: Android 9.0, RAM: 3GB, ROM: 32GB Camera Specification REAR: 13MP, Flash Light: Supported, Auto Focusing: Supported Screen Specification	Glonass  32GB Internal storage and supports SD Card expansion up to 128 GB	for full day working Dual Sim card with 4G Network All GNSS Constellation supported such as GPS, BDS, Galileo &	and Android 9.0 System 5" high capacitive screen with 1280x720 resolution With built-in 5200mAh lithium rechargeable and replaceable battery	Features High performance CPU equipped with Octa-core 2.0 GHz processor	Forests, urban areas, land, plots for recording accurate measurements and perform calculation on site or on field	Rugged 5" Android handheld data collector and recorder that perform well in challenging environments such as	auto level from 0.7mm to 0.5mm per kilometer double run leveling. The OM5 enables surveyors and construction and Industrials professionals to achieve the highest accuracy when using metric level rods or staffs.	Perfect for high precision leveling, The Optical Micrometer mounts on the automatic level telescope allowing for staff readings in increments of 0.1mm. Ideal for deformation studies or industrial measuring tasks, this optical parallel plate micrometer also improves the accuracy of the	optical micrometer is an optional accessory that mounts to the optical automatic level for increased precision. For metric level rods or staffs.	Engine Features	Description	vs het Tennett wedantement
		MACHEN TO T	Brand: e-Survey							Brand: SOKKIA Model: OM 5			Company	M/s Asif &
(a) Sper	2	AND COLUMN TO THE	Brand: e-Survey							Brand: SOKKIA Model: OM5	Allendary and American		& Developers	
		qualified	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo		,				фантеа	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are			A S O S A S O S O S O S O S O S O S O S	Remarks

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				As pe	As per vendors	
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	Remarks
32	Multiple Handheld Gas Monitor Detector Model K- 400M or equivalent	4	Product description  1. Power:6 x 1.5V AA included  2. Frequency:7.5 KHz  3. Current:Standby: 65mA Max: 150mA  4. Voltage:7.2-9.6V  5. Operating Temperature:-20 to +60  6. Sensitivity:US 50 Cent: 200mm  7. Indication Mode:LCD Mode  8. Stretch Length:23-31 inches  9. Detector Diameter:8.3 inches	Brand: Bosean Model: K-400M	Brand: PK-SAFETY Model: GX-3R	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
33 fr ii. D	Dual Bore inspection camera for bore/well with 300 Meter Cable type V10-BSC for completing the job or equivalent	7	Main Features  Dual waterproof camera for deep well inspection Dia 63mm x L570mm stainless steel 700TVL Camera P68 Waterproof up to 50Bar 100m-500m twist wires cable with electric winch HD DRV Control Box with Audio/Video recording function Built-in 128G Solid state drives to storage video/audio files Builtin Compass and temperature sensor Dual Camera Ø 63mm L570mm stainless steel casing Waterproof P68 operating depth 50 bars (725 PSI) Dual camera down & side viewing Pan 360° rotate endless View angle 120° Sensor resolution PAL 720Hx576V NTSC 720Hx480V Horizon resolution PAL 720Hx576V NTSC 720Hx480V Gensor resolution PAL 720Hx576V NTSC 720Hx480V Horizon resolution PAL 720Hx576V NTSC 720Hx480V Horizon resolution PAL 720Hx576V NTSC 720Hx480V Horizon resolution PAL 720Hx576V NTSC 720Hx480V Gensor supply: 230V Offertion Feetic cable of diustable Ø10mm Twisted pair cable (300M) Power supply: 230V On screen depth encoder Electric cable rolling Control Unit Monitor Disp la undustrial color monitor Disp la undustrial color monitor Disp la undustrial panel	Brand: Mechatronics Model: V-10	Brand: SHENZHEN Model: V10-BCS	Both Vendors i.e. Ms Asif & Company & Ms Al-Meo Builders & Developers are qualified

	The second	1	As per Tender/Requirement	As per	As per Vendors	
Sr#	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	Remarks
4			Video input option: Borehole Camera or Pan & Tilt Camera Winch operating knob: (adjustable speed, cable up & down, brake) Camera Rotation control button (Clockwise & counter clockwise)	-3		
			Down & side camera select button & LED brightness control button.			
			HD DVR Audio/Video recording and playback Video storage Medium: Builtin 128GB SSD or USB Device			
			On Screen depth encoder temperature & direction.			

Musarrat Mokhtar
Deputy Director (Inspection)
Industries & Commerce Deptt

MUMember MOKHTAR
Deputy Director (Inspection)
Industries & Commerce Department
Government of Sindh

Ghulam Hassal Bughio
Deputy Director (A&A)
MEC, P&D Department
(Chairman)

Monitoring & Evaluation Cell Planning & Development Department Government of Sindh Karachi

> Aurangzeb Vistro RMEO Karachi Region MEC, P&D Department (Member/Secretary)

Regional Monitoring & Evaluation Officer (MEC)
Plaining & Development Department
Government of Sindh
Karachi

# ELIGIBILTY REPORT

# Vendors Selection /Eligibility Criteria

ADP NAME & NO. "Strengthening & Capacity Building of Regional Offices of M&E Cell at Hyderabad & Sukkur (ADP # 2632)"

Tender Name: Procurement of Monitororing Equipment

Tender No: AD(A&A)/52(MEC)/P&D/2023/-

Particulars  The bidder must have at least five (05) years of experience in similar nature of work / relevant field.  Bidder should be Active Tax Payer and provide Income Tax Number Certificate (NTN), GST Registration certificate with FBR, Valid Professional Tax Certificate & Registration with SRB, (Attach relevant documents)  The details of turn-over (in terms of Rupees) of at least last three years that average turn of last three years should not be less than Rs. 100 million per year in terms of financial statement or bank statement  Affidavit that firm is not Blacklisted and involved in any active litigation in Pakistan.  SECP Incorporation certificate (if applicable)  ISO 9001 certification	Particulars  Particulars  M/s Asif & Company  Yes  ayer and provide Income Tax Number Certificate (NTN), GST Registration spessional Tax Certificate & Registration with SRB, (Attach relevant documents)  ms of Rupees) of at least last three years that average turn of last three years million per year in terms of financial statement or bank statement  Yes  listed and involved in any active litigation in Pakistan.  Yes  Yes  Yes		6 ISO 9001 certification	5 * SECP Incorporation certificate (if applicable)	4 Affidavit that firm is not Black	The details of turn-over (in terr should not be less than Rs. 100	Bidder should be Active Tax Pacertificate with FBR, Valid Pro	The bidder must have at least f	S. No
	Yes Yes Yes Yes Yes Yes Yes Yes	Has the bidder qouted for all items mentioned in Part-IV BOQ		(if applicable)	listed and involved in any active litigation in Pakistan.	hree	yer and provide Income Tax Number Certificate (NTN), GST Registration fessional Tax Certificate & Registration with SRB, (Attach relevant documents)	ive (05) years of experience in similar nature of work / relevant field.	Particulars

Musarralt Mokhtar
Deputy Director (Inspection)
Industries & Commerce Deptt

Ghulam Hassan Bughio Deputy Director (A&A) MEC, P&D Department

> RMEO Karachi Region MEC, P&D Department

Aurangzeb Vistro

(Member/Secretary)

(Chairman)

(Member)

# MINUTES OF MEETING TO DISCUSS & FINALIZE THE REVIEW OF TECHNICAL BIDS DATED: 26.05.2023 @3:15 PM

Tender No. AD(A&A)/52(MEC)/P&D/2023/-

Method and procedure of procurement: Open Competitive Bidding (National

Competitive Bidding) (Single Stage - Two

Envelope)

Description of work: "Procurement of Monitoring Equipment"

against ADP scheme No. 2632 titled as "Strengthening & Capacity Building of Regional

Offices of M & E Cell at Hyderabad & Sukkur"

A meeting of the Procurement Committee (the 'Committee'), constituted vide Planning & Development Department's notification No.SO(ADMN-I)(P&D)12(97)2012/590 dated: 14<sup>th</sup> February, 2023 was held in respect of Tender # AD (A&A)/52(MEC)/P&D/2023/- for "Procurement of Monitoring Equipment" (the 'Assignment') against FY 2022-23. The tender was called under ADP scheme No. 2632 titled "Strengthening & Capacity Building of Regional Offices of M & E Cell at Hyderabad & Sukkur" under the chairmanship of the Deputy Director (A&A), Monitoring & Evaluation Cell, Planning & Development Department (the 'Procuring Agency') in his office on Friday, 26<sup>th</sup> May, 2023 @ 3:15 pm. The agenda of meeting was to open received Technical Bids in terms of SPPRA Rules 2010 (amended up to date).

- 2. The meeting was attended by following participants of the procurement committee. (Attendance sheet is enclosed).
  - i. Deputy Director (A&A) (MEC), P&D Deptt, GoS (Chairman)
  - ii. RMEO Karachi region, MEC, P&D Deptt, GoS (Secretary/Technical Member)
  - iii. Deputy Director (Inspection), Industries & Commerce Deptt, GoS (Member)
- 3. The Secretary/ RMEO Karachi Region informed the forum that in response to NIT advertisement published in newspapers dated:4<sup>th</sup> May,2023 following 02 firms submitted their bids by closing time of 26<sup>th</sup> May, Friday, 2023 @3:00 pm. The firms are:
  - i. Asif & Company, Karachi.
  - ii. Al-Meo Builders & Developers, Karachi.
- 4. The names of both firms were read aloud, envelopes were signed and opened before firm's representatives. Then, financial bids of both firms were retained and technical bids were opened in the presence of representatives of both firms. The Committee members encircled the quoted items against BOQ specification on both bids.

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- 5. After examination, the technical member apprised to the Committee that the technical bids of both Asif & Company, Karachi & Al-Meo Builders & Developers, Karachi were eligible & responsive against the eligibility/qualification criteria and closely conforming to the BOQ specification mentioned in the bidding documents. Thus, the Committee declared the technical bids of both M/s Asif & Company, Karachi & M/s Al-Meo Builders & Developers, Karachi as Responsive and Technically qualified.
- 6. Accordingly, the Eligibility Report and Technical Evaluation Report of both firms were prepared & signed by the procurement committee (copy enclosed). The forum decided to open the financial bid of both qualified bidders on Tuesday, 30<sup>th</sup> May, 2023.

Later, the meeting ended with the note of thanks to and from the chair.

PROC	CUREMENT COMMIT	TTEE MEMBERS	
Name/Designation	Department		Signature
Ghulam Hassan Bughio Deputy Director (A&A)	MEC, P&D Deptt, Govt: of Sindh	Chairman	Ja y
Aurangzeb Vistro RMEO Karachi Region	MEC, P&D Deptt, Govt: of Sindh	Member/Secretary	asur
Musarrat Mokhtar Deputy Director (Inspection)	Industries & Commerce Deptt, Govt: of Sindh	Member	ANY .



# GOVERNMENT OF SINDH PLANNING & DEVELOPMENT BOARD SINDH, (MONITORING & EVALUATION CELL)

# ATTENDANCE SHEET

Subject:

MEETING OF PROCUREMENT COMMITTEE FOR OPENING OF TENDER
TITLED "PROCUPEMENT OF MONITORING FOUR MENTS" A CAINST ADD

TITLED "PROCUREMENT OF MONITORING EQUIPMENTS" AGAINST ADP SCHEME TITLED "STRENGTHENING & CAPACITY BUILDING OF

REGIONAL OFFICES OF M&E CELL AT HYDERABAD & SUKKUR

(ADP # 2632)".

Tender No.

AD(A&A)/52(MEC)/P&D/2023/\_ "Procurement of Monitoring Equipment"

Meeting Date: Friday, 26th May, 2023

Opening Time: 3:30 pm

Sr.No.	Name /Designation	<u>Department</u>		Signature
1.	Ghulam Hassan Bughio, Deputy Director (A&A) (MEC)	M&E Cell, P&D Department, Govt: of Sindh	In Chair	ر المراق مال
2.	Aurangzeb Vistro RMEO (Karachi Region),	M&E Cell, P&D Department, Govt: of Sindh	Member/ Secretary	a 8 26-5-2
3.	Musarrat Mokhtar Deputy Director (Inspection)	Industeries & Commerce Department, Govt: of Sindh	Member	H261.5/M

# ATTENDANCE SHEET

# (BIDDERS /REPRSENTATIVES)

Subject:

MEETING OF PROCUREMENT COMMITTEE FOR OPENING OF TENDER TITLED "PROCUREMENT OF MONITORING EQUIPMENTS" AGAINST ADP SCHEME TITLED "STRENGTHENING & CAPACITY BUILDING OF

REGIONAL OFFICES OF M&E CELL AT HYDERABAD & SUKKUR

(ADP # 2632)".

Tender No.

AD(A&A)/52(MEC)/P&D/2023/\_ "Procurement of Monitoring Equipment"

Meeting Date: Friday, 26th May, 2023

Opening Time: 3:30 pm

Sr No	Firm Name	Rep Name	Contact No	Signature
1	Asip & company	Danish	0312-825759	1220
2	Al-meo beilders	Khuseam	0302278212	
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Authorized Sign

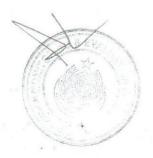
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& CAPACITY

# PART-IV

# TECHNICAL SPECIFICATIONS AND BILL OF QUANTITIES FOR THE WORK





	MONITORING EQUIPMENTS				}
Sr#	ITEM DESCRIPTION	QTY	RATE	UNIT	AMOUNT
1	Main features of the Product  1" 20MP CMOS Sensor Gimbal-Stabilized 4K 60/20MP Imaging Flight Autonomy with Redundant Sensors Four Directions of Obstacle Avoidance Top Speed of 44 mph in Sport Mode Maximum Control Range of 4.3 Miles Visual Tracking of Moving Subject Up to 30 Minutes Flying Time Remote Controller with 1080p Display	04	1,504,500.00	Each	6018,000.00
2	WIRELESS CRACK WIDTH GUAGE  Features & Specs TWTN TESTING F230  Wireless crack width gauge is used to measure the width of cracks such as bridges, tunnels, towers, buildings, concrete components, pavement, metal components and so on. The Wireless crack width gauge uses modern electronic imaging technology to image the original structure on the tablet computer and automatically read out the real and reliable crack width data through high precision scale on screen  Specification  Host parameters: Android system tablet Test scope: 0~10 mm Measurement accuracy: 0.01mm Estimable accuracy: 0.01mm Magnification: Digital 60 times Width Detection: stand by Storage capacity: 32G(expandable) Data transmission mode: Wireless cloud transmission(optional) Probe powder supply mode: Built-in rechargeable lithium battery Operational mode: Touch screen +shortcut Connection mode: Wifi Interpretation method: Automatic interpretation/ manual interpretation	04	1,640,770.00	Each	6,561,480.00
3	ULTRASONIC PULSE VELOCITY METER  Technical Parameters  Measuring range: 0 - 3000 μs - accuracy +/ 0,1 μs  Selection of the ultrasonic pulse amplitude adjustable from 250 to 1000V  Single or continuous acquisition mode with automatic or manual saving.  Zero calibration with depuration of the time for the pulse to go through the probes.  Capacity of data acquisition, processing and filing of the test data up to 30.000 samples.  Interface mini USB for PC connection.  The standard appliance includes: The instrument in basic configuration in a practical palmer container.  Two 55kHz probes with connection cables.  Calibrating cylinder and contact paste.  Battery rechargeable pack NiMh 4,8V > 2000m/A with low battery condition alarm.  Anti-shock case holding the unit and the accessories.  External feeder 230V and battery charger 12V 500m/A.  Case dimensions: 400x340x110 mm	08	1540,69.00	Each	12725735200 Q Su;

-	Bidding Documents PORTABLE ULTRASONIC THICKNESS GAUGE	M&	E Cell, P&D Der	ott, Govt:	of Sindh
4	Measuring ranges from 0.039 to 8.85 in/1 to 225mm, Resolution: 0.01mm. you can get accurate (±0.5%H+0.05mm) readings in inch or mm in 0.5 seconds.  Sound velocity from 1000 to 9999m/s Multi-Functional: 2.4" HD color screen display with backlit & 5 selectable color display, storage up to 500 data, statistic view, calibration, auto-off, and restores factory settings function.  Versatile Uses: Widely used for measuring Metal and Nonmetal materials, Steel, Aluminum, Copper, Brass, Zinc, Plastic, PVC, Glass, Ceramics, Pipes and any other good ultrasonic wave conductor as long as it has parallel top and bottom surfaces.  What You Get: 1x Digital ultrasonic thickness gauge, 1x Probe 5MHz, Built-in metal calibration block, 1x USB Cable, 3x Rechargeable Battery, 1x Operation Manual, and 12 months warranty, and a friendly 24/7 professional customer service team.	04	225,000.00	Each	900,000.00
5	PORTABLE ULTRA SONIC COATING THICKNESS GAUGE  B.N.C. Tooling   G.15 8202  1. Measuring range: 0 ~ 1500um/0~59mils, Accuracy: ±(3%H+1µm), 2. Resolution of 0.1 mils 3. Aluminum Calibration plates, Plastic shim test set, carrying case.	08	345/617.00	Each	KylugyL.00
	PORTABLE HANDHELD METAL LOCATOR  1. Power: 6 x 1.5V AA included 2. Frequency: 7.5 KHz 3. Current: Standby: 65mA Max: 150mA 4. Voltage: 7.2-9.6V 5. Operating Temperature: -20 to +60 6. Sensitivity: US 50 Cent: 200mm 7. Indication Mode: LCD Mode 8. Stretch Length: 23-31 inches 9. Detector Diameter: 8.3 inc	04	614,44.00	Each	2464,592.00
	Rebar location Rebar orientation Depth of cover Cover reading thickness mm or inches Large graphic display with backlight Multiple language menu structure Signal strength bar Interchangeable heads with led and keypad User selectable bar range sizes and numbers Auto size mode for quick bar diameter determination Orthogonal mode for bar diameter determination Other models of search head available on order for Narrow pitch search, Deep cover search, Borehole. See accessories. RS 232 output to PC EDTS MS EXCEL link software	06	37759,75,00	Each	(9,65×,550.00
	Data logging Adjustable beep volume & earphone socket	,			1

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Page 19 of 48

	LASER MEASURING & MARKING EQUIPMENT LASER LEVEL				
8	The laser level has one horizontal 360 Degree and two vertical laser lines in a 90 Degree angle, plus one plumb down point, for the most useful laser configurations in one tool  Up to 4x better visibility: With green laser technology, the line level delivers up to 4x better visibility than laser levels with red laser lines  Easy-to-use: A sliding on/off switch and two-button keypad enables one-handed control of the green laser level  Precise results: For highly accurate measuring, the line level delivers precise results within ± 0.4 mm/m (lines) and +/- 1.0 mm/m (plumb point)  Self-levelling: The laser level can self-level up to ± 4	04	365,000.00	Bach	1,460,000.00
	LASER DISTANCE METER UNI-T /LM40				
	Laser Measure includes multiple measurement capabilities such as area, distance, length, volume, continuous measurement, addition and subtraction. Measuring distance extends up to 135 feet				
9	MEMORY: Conveniently stores up to 10 measurements to increase productivity. Real time laser measurements adjust as the user moves closer and farther away, just like a tape measure	04	189,600.00	Each	1558400.00
	VISIBILITY: Laser Measure features a backlit screen for better visibility and resolution in dark work areas				
	ACCURACY: measures to within +/ 1/16 in. for extreme accuracy and precision				
	THERMOMETER FOR ASPHALT, BITUMEN & CONCRETE BITUMEN THERMOMETER WITH ACCESSORY MN MEQSUnement Instruments	06	144,976.00		362,556.00
	Measurement Instruments Certification: Ansi Standard K-type Power Source: Battery Powered Number of Batteries: 1 9V batteries required. (included)		7.0	-	2007 201
	Item Length 11 inches Maximum Storage Temperature 140 Degrees Fahrenheit Minimum Storage Temperature 20 Degrees Fahrenheit				
10	Upper Temperature Rating: 1999 Degrees Fahrenheit Response Time 0.5 seconds Resolution 3 1/2 digit Immersion Depth 8 Inches			Each	
	Item Weight 1.28 pounds Product Dimensions 11 x 7 x 1 inches Material Stainless Steel			te basa 1	
	Measurement System Fahrenheit and Celsius  HANNA HI 935005  OPTIONAL ACCESSORY "K-TYPE Thermocouple with Wire & Handle for above Bitumen Thermometer k-Type Thermocouple	06	94,767,50		574,606.80







Bidding Documents	M&E	Cell, P&D De	ptt, Govt: o	f Sindh
Portable Water Quality Analyzer PH/MV Electronic Data Logger with Printer/phMeter  AZ Instrument AZ 9861  Specification  Measuring Range: 0 to 14pH-1999 to 2000mV  Accuracy: ±(0.01pH +1 dgt.)±(2mV +1 dgt.)  Resolution: 0.01pH - 0.1/1mV  Temperature  Measuring Range: 32 to 230°F (0 to 110°C)  Accuracy: ±0.4°F (0.2°C) +1 dgt.  Resolution: 0.1°F (0.1°C)  Auto Shut-off	04	442926.05	Bach	1711704.32
Low Battery Indicator  High Quality Portable Pocket Type 5 in 1 Meter  TDS/EC/PH/Salinity/Temperature Meter  Multi Function E Z- 9909  This 4-in-1 meter measures Conductivity, Total dissolved Solids  (TDS), Salinity & Temperature	04	(6)785.50	Each	645,143.20
ELECTONIC TACHOMETER TYPE ZTS-420 L8 COMPLETE WITH APPROPRIATE ACCESSORIES FOR COMPLETING THE JOB OR EQUIVALENT  Main features  Measurement Method: Absolute encoding Minimum readout: 1"/5"/10" Accuracy: 2" Reflectorless Range: 800M With single prism: 7500M Measuring Time: 1.5 Second Measuring Time: 1.5 Second Magnification: 30X Field of view: 1°30' (2.7m at 100m) Minimum focusing distance: 1.5M Reticle: illuminated Interface: Bluetooth/RS232/SD Card4/USB Pen Drive Internal Memory Data Storage: 20,000 Points Data Format: ASDCII Display: 2.8-inch High resolution backlight black and white display with contrast adjustment/ Graphics: 240 x 320 pixels / Character: 6 lines x 25 characters Keyboard: 2 sides Alphanumeric backlit crystal keyboard Laser Plummet Type: Laser point, 4 brightness levels adjustment Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh Battery timing: Optimal 16 hours/10 hours typical Operating Temperature: -20°C ~+50°C Storage Temperature: -40°C ~+70°C Dust & Water Proof (IEC60529Standard)/Humidity: IP55 Accessories Included: 2.Nos. Battery, No. Charger, 1.No. Mini USB, 1.No. Tool kit, 1.No. Manual operation, No. Rain/Dust protective cover,	04	272935000	Each	9771400.0°







Page 21 of 48

	Pidding Documents	M&E	Cell, P&D Dep	ott, Govt: of	Sindh
	Bidding Documents TRAVELING BEAM DEVICE	T IOLE	ocii, i ab bo	1	
4	Used to detect and check any irregularity in both bituminous and concrete road surfaces. The unit consists essentially of a 3-meter-long beam fixed on two rigid wheels at the extremities. In the middle of the beam a sensing unit comprising a wheel connected to an indicator provides a magnification of 4:1 and measures deviations of the surface. The deviations are shown on a scale calibrated in increments of 2 mm up to 10 mm and 5 mm up to 25 mm.  The beam is supplied as three sub-assemblies which are quickly assembled on site.  Dimension: 790x3200x1080 mm approx.  Weight: 55 kg approx.  ACCESSORIES  B098-01N  AUTOGRAPHIC RECORDING DEVICE  When connected to the Travelling Beam Device mod. B098N, it provides a permanent record of the surface profile. It records up to 1000 metre surface on the special chart paper rolls. Supplied complete with 10 chart rolls and 2 fibre-tipped pens. B098-03N DYE-MARKER with paint bottle, used to identify suspect areas.  B098-05 WOODEN CARRYING CASE to house the Travelling Beam Device. Dimensions: 1480x680x510 mm approx.  SPARES  B098-11 Pack of 10 chart rolls for approx. 1000 metre run.  B098-12 Fibre-tipped pen for use with the recorder.	04	NON 400.00	Each	1876720.00
15	GASOLINE POWERED PORTABLE UNMERAL CORE DRILLING MACHINE  Drilling range: Ø15-305mm Rated voltage: 220V- Rated power: 50-60Hz Input power: 4550W No-load speed: 380r / min Diamond drilling machine is a new type of tool that can drill holes in reinforced concrete, masonry, rock, ceramics and refractory materials. It has the characteristics of dust-free operation, high efficiency, smooth hole wall and accurate size. It is suitable for equipment installation, water and electricity, gas installation, civil engineering quality inspection, airport runway, highway, railway, railway bridge tunnel and other construction, quality inspection, installation fields.	01	2346749.00	Each	2742799.00
16	UNDERGROUND CABLE & PIPE LOCATOR  Utility locator series uses industry-leading digital signal processing to identify underground assets deeper, faster and more accurately than any other system  A pipe & cable locator uses conductive or inductive methods to find hidden pipes, cables, Manhole Covers etc with a high level of accuracy. For example, a conductive pipe locator may be used to apply a tracing signal to a coated metallic pipe at an access point such as valve or meter	04	80° WY 30.00	Each	mm37160.00
17	DIGITAL VERNIER CALLIPERSPECIFICATION:  Measuring range: 0-150mm /0-6 inch.; Accuracy: + 0.02 mm/ 0.001 in. (100 - 150 mm). Resolution: 0.01mm/ 0.0005 in Repeatability: 0.01mm/ 0.0005 in Maximum measurement speed: 1m/s; Power: 1 x 1.5V SR44 (silver oxide cell) battery.	04	91774.70	Each	mbb 900.40

	Bidding Documents	M&E	Cell, P&D De	ptt, Govt: of	Sindh
18	Item Type: Diameter Gage Material: Stainless Steel  STAINLESS STEEL WIRE WELDING GAUGE: Metal sheets welding thickness gauge is made of high quality stainless steel, sturdy and durable, an useful measuring tool for help you save time and material.	04	59,056.5l	Each	236,727,24
19	Features & Specs Temperature Testing The measuring range is -10 °C to 400 °C Capturing an astonishing level of detail through high thermal sensitivity, isolating the smallest temperature anomalies. Resolution: 32x32 pixel resolution, 33° Field of View, capture a clear accurate image focused throughout the field of view IR Thermal imaging camera technics Use 2-megapixel white lens and 2.2 TFT LCD screen to visualize targets more flexibly Integrated Visual Display Combine Infrared and visible images for simpler analysis and edit and optimize image	04	247,950.00	Each	915,500.00
20	MULTI FUNCTION DIGITAL MOISTURE METER  Digital Multi-function moisture meter use for measuring the moisture content of Soil, Cement, Sand, Plater, Concrete and Mortar etc.  Specification  Display:4 digital LCD Measuring range:0-50% Operation condition:  Temperature:0-60°C Humidity:5%-90%RH Resolusion:0.1 Accuracy: ±  2%n(Non-saturation condition) Power supply: 4x1.5 AAA size (UM-4)(not included) battery Dimensions:140mm×60mm×22mm Needle:  280mm Weight:210g	01	185 NOZ.00	Each	185,402.00

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Bidding Documents	M&E	Cell, P&D De	ptt, Govt: of	Sindh
OPTICAL MEASURING INSTRUMENT	T			
Features & specification				
High precision engineering auto level				
*Magnetically damped compensator that supports accurate instrument				
leveling				
*High resolution telescope for quick and clear target sighting				0 40
*Designed and developed for best performance in various civil				
engineering and construction projects				
Magnification: 32 x				
Length of Tube: 218 mm				
Image: Erect				
Objective Aperture: 45 mm Field of View: 1°20'  Resolution (US Standard) 25"  Pentax / Al-M Series	12-3	1 1 2 7		
Field of View: 1°20' Pentax HL-M Series		1.2		
Resolution (313 Standard) 2.3		mD.		2.00
Minimum Focus: 3 m (from the centre of the instrument)		658,500.00	-	D
Focusing Know: 2 speed	02	150,	Each	171700.00
Stadia Ratio: 100	-	8.	田	6
Horizontal Circle (Diameter):				
103 mm				
Horizontal Circle: 1°				
Automatic Compensator				
Accuracy: 0.3"	-			
Range: ± 15'				-
Circular Bubble Sensitively: ≤ 8'/2 mm	13.64	10 10 10 10		
		1,5		
Sighting Device: Collimator			7 5 7	
Standard Deviation: ± 0.7 mm				
$(1 \text{km double run leveling})^{**} \pm 0.4 \text{ mm}, \text{ Waterproof Grade: IPX6}$				4
Size: 218 (L) x 132 (W) x 142 (H) mm				
Weight: 1.71 kg				
Accessories included	1,-			1.50
Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench	and the same of th			1 1 1 1 1
Adjusting Pin, Aluminum Tripod stand & Aluminum staff pole	O CHAINE O			
CONCRETE SCHIMIDT HAMMER	13/10	1311		
Concrete Test hammer ASTM, EN, DM, BS and NF Test standards	12/ 2018	E \@\\		
Description & Specification	Contracti	1 15/1		
Type 'N' range 10 to 70 N/mm2 (100 to 700 kgf)/cm2)	Engine	es/3//		
Impact energy 0.225 mkg (2.207 joules)	100			
		2		
Included certificate calibration by KAN		A. J.		
For noon-destructive strength testing of concrete and structural		7"		
components Matest / IWIN-HT225	/7/	245.00		.00
In operation, the hammer hits the concrete at a defined energy	1/	JAS		1630 0180.00
Its rebound is dependent on the hardness concrete	04	NOT	Each	101
Through the use of the included conversion table			E	161
The rebound value can be converted to compressive strength				1
The standard (Type N) hammers that display rebound values on a				
mechanical sliding scale.				
For testing thin walled structural components with a thickness of less				
than 10 cm or rock cores				
Accessories included				
1 x Test hammer, 1xcarbondum rubbing stone, 1 x Manual operation, 1			1	2
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x carrying bag				
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3 1	Bidding Documents	M&	E Cell, P&D De	eptt. Govt:	of Sindh
ė	INTEGRATED REBAR DETECTOR				J. Cardin
	Integrated Rebar detector are mainly used for detecting the internal reinforcement position, the protective layer thickness, reinforcement spacing and diameter of rebar. It can accurately draw the distribution map of the whole rebar, to provide test data with high precision and high speed; the integrated structure of the host and the sensor coil, making it is convenient and quick when carrying and field operation; It is characterized in coil structure design, faster speed, higher accuracy, stronger resolution.  Specification				
23	Applicable range of Rebar (mm) φ6~φ50 Protective layer Small range:1~80 Large range thickness range(mm):5~185 Power supply Built in high capacity lithium battery Test range (mm) The first range: 1~90	02	1707650.00	Each	2415,700.00
	the second range: 5~185 Screen 320*240 Working hours ≥16h Size 219*92*106cm				
	Data transfer mode USB\Wireless Operation Silicone keypad Storage 200K Measuring point of steel bar Display resolution 2.8-inch high-resolution color LCD screen (320×240 pixels)				
	Set shutdown time 5m, 10m, 15m, 30m, 60m, 90m				
4	CONCRETE /ASPHALT CUTTER SAW  'CUT DIAMOND" Rosad Cutter fitted with 'Kipor" 15HP Air-cooled  Diesel Engine complete with 20 inch cutting blade	01	1760,700.00	Each	760,700.00
	Cuts Damant Mc Son		1,		10
	PRESSURE WASHER Engine Features: Champion / 100382 196cc Champion OHV Engine, 4 Stroke, Low oil shut off, single				
5	Washer Specification Max Pressure: 2600 Psi	02	856,000,00	Each	171700000
	Flow Capacity: 2.2 gpm Pump: Axial Cam Wheel Size: 12"	S.			

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Bidding Docu	ments	M&	E Cell, P&D De	entt Govt	of Sindh
DOPPLER FLOY	V TESTER	1	L CCII, I GD DC	ptt, Govt.	or sindii
Features & specific Measurement Accu Sensor Probe Meast 1)/DN300-6000mm Power supply mode Charging time: 8 ho Use time: 12 hours Working power sup charge) including 20 Accuracy level: indi Unit of Measure: M Applicable pipe: car aluminum, glass steel, etc. Liquid type: more the water Data logging: built-i Medium temperature 30-150°C Use humidity: 85% of Sensor Protection Lethousing Material: Flost material: die-ca Accessories included 1 x TUF-2000H Ultr 3M Steel tape, 1 x O	racy: Flow ±1%, Heat ±2% arement Range: DN15-100mm(TS-2)/DN50 700mm(TM-(TL-1)): Rechargeable battery power supply (charger included) are more ply: 90-230VAC (12 hours working after sufficient 200mAh Ni-H Lithium battery cation value ±1%, flow rate greater than 0.2m/s eter, Feet, Cubic Meter, Liter, Cubic Feet, US Gallon bon steel, stainless steel, cast iron, copper, PVC,  an 30 kinds of pure liquids such as pure water and tap in data logger, can store 32Mbit memory conventional -30-90°C, high temperature types up to -30 fthe host evel: IP67 ame Retardant ABS st aluminum  asonic Flow Meter, 3 x sensor (TS-2, TM-1,TL-1) 1 x ct Data Line, 1 x steel support chain, 1x 5m standard	02	157194.25	Each	2714788.50
sensor signal cable, l	x user manual, 1 x adapter  IPRESSION TESTING MACHINE 'MATEST'			Service 1	J. 2016
Compression machin test cubes upto 150 r		01	12,50,5000	Each	15,070000
ULTRASONIC TH  OR EQUIVALENT  Using new technique thickness under paint. remove paint on work directly over the paint work piece. it has two echo(MEC) mode. By by MEC mode, it can Specification Technique: pulse echo Display: 4 digits LCD Measuring range: 0.7 Resolution: 0.01mm 0 Velocity range: 500-99 Display circle: 1 sec. Coupling indication	of multiple echo (echo-to-echo) it can measure wall For a normal ultrasonic thickness gauge, you must piece, but with new technology, it takes measurement of work piece and you can get real thickness value of measuring modes: normal mode and multiple normal mode, it is a normal ultrasonic thickness gauge; measure over coatings.  with dual probe with backlight 10300.0mm 18-99.99mm, 0.1mm 100.0-300.0mm 1999m/sec.  SADT / SA 4D  De stored and re-readable  on LCD nin. of non-use alkaline cells 0-40°C	02	747,200.45	Each	Mesuroo. 90
	* All	a Sur	* 2	( September 1987)	Page 27 of 48

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Contractors Engineers

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	Bidding Documents	M&E	Cell, P&D Dep	ott, Govt: of	Sindh
30	OPTICAL MICROMETER TYPE OM5 FOR COMPLETEING THE JOB OR EQUIVALENT ENGINE FEATURES  Optical micrometer is an optional accessory that mounts to the optical automatic level for increased precision. For metric level rods or staffs.  Perfect for high precision leveling, The Optical Micrometer mounts on the automatic level telescope allowing for staff readings in increments of 0.1mm. Ideal for deformation studies or industrial measuring tasks, this optical parallel plate micrometer also improves the accuracy of the auto level from 0.7mm to 0.5mm per kilometer double run leveling. The OM5 enables surveyors and construction and Industrials professionals to achieve the highest accuracy when using metric level rods or staffs.	02	2.54775.50	Each	w.309555.00
31	ON-SITE HANDHELD/ANDROID DATA COLLECTOR & RECORDER TYPE P8 I FOR COMPLETING THE JOB OR EQUIVALENT  E-Survey   P8 II  Rugged 5" Android handheld data collector and recorder that perform well in challenging environments such as Forests, urban areas, land, plots for recording accurate measurements and perform calculation on site or on field Features High performance CPU equipped with Octa-core 2.0 GHz processor and Android 9.0 System 5" high capacitive screen with 1280x720 resolution With built-in 5200mAh lithium rechargeable and replaceable battery for full day working Dual Sim card with 4G Network All GNSS Constellation supported such as GPS, BDS, Galileo & Glonass 32GB Internal storage and supports SD Card expansion up to 128 GB	02	M14310.00	Each	2519 520.00
	With stylus pen to operate accurate even in rain mode.  IP67 Dustproof & waterproof System Specification Processor: MT6762, OS: Android 9.0, RAM: 3GB, ROM: 32GB Camera Specification REAR: 13MP, Flash Light: Supported, Auto Focusing: Supported Screen Specification Screen size: 5", Resolution: 1280x720, Density: 320 dpi, Brightness: 400 nits, Touch panel: Capacitive, TFT, Touch: 10 touch points GNSS Specification Channels: 72, Tracking: GPS, BDS, GLONASS, GALILEO, Accuracy: Single 1-3m Communication specification GSM, Wifi, Bluetooth SD Card, USB				
32	MULTIPLE HANDHELD GAS MONITOR DETECTOR MODEL K-400M OR EQUIVALENT  1. Power: 6x1.5V AA included 2. Frequency: 7.5 KHz 3. Current Standby: 65mA Max: 150mA 4. Voltage: 7.2-9.6V 5. Operating Temperature: -20 to +60 6. Sensitivity: US 50 Cent: 200mm 7. Indication Model: LCD Mode 8. Stretch Length: 23-31 inches 9. Detector Diameter: 8.3 inches	04	46742,25	Each	2074969.00

Bidding Documents	M&E Cell, P&D Deptt, Govt: of Sindh
DUAL BORE INSPECTION CAMERA FOR BOR WITH 300 METER CABLE TYPE V10-BSC FOR COMPLETING THE JOB OR EQUIVALENT VICAM Mecha toward Main Features  Dual waterproof camera for deep well inspection Dia 63mm x L570mm stainless steel 700TVL Camera IP68 Waterproof up to 50Bar 100m-500m twist wires cable with electric winch HD DRV Control Box with Audio/Video recording func Built-in 128G Solid state drives to storage video/audio fi Builtin Compass and temperature sensor Dual Camera Ø 63mm L570mm stainless steel casing Waterproof IP68 operating depth 50 bars (725 PSI) Dual camera down & side viewing Pan 360° rotate endless View angle 120° Sensor resolution PAL 720Hx576V NTSC 720Hx480V Horizon resolution 700 TVL 6 pcs high light LED (Down View) 6 pcs high light LED (Side View) Camera weight: 6 Kg Electric Winch Winding speed: 0-20m/min Cable Speed: Adjustable Ø10mm Twisted pair cable (300M) Power supply: 230V On screen depth encoder Electric cable rolling Control Unit Monitor 10" Industrial color monitor Display mode: 4:3 Resolution: 1024*768 Control Panel Video input option: Borehole Camera or Pan & Tilt Ca Winch operating knob: (adjustable speed, cable up & d Camera Rotation control button (Clockwise & counter Down & side camera select button & LED brightness of HD DVR Audio/Video recording and playback Video storage Medium: Builtin 128GB SSD or USB D	oz wybaroco spanie w w w w w w w w w w w w w w w w w w w
On Screen depth encoder temperature & direction.	00.00
	Installation, Calibration and Service Charge
	1 208:
	Total Amount (98,076,208.7
	GST (If applicable)
	Grand Total 233,729,926

Stamp & Signature

### Part-V

## SCHEDULE OF REQUIREMENTS

The delivery schedule is hereafter expressed the date of delivery required along with location is as under:

Sr	Items /Qty	Time of Delivery from date of Award	Location of Supply	Phone No. & Email
1	As specified in Part – IV of this	within three (03) months after	Assistant Director (A&A)(MEC) Monitoring & Evaluation Cell (MEC), P&D Department, Room No. 419-E,	Phone No. 021-99211927 / 99211403
1	bidding documents	contract signing	3rd Floor, Tughlaque House Sindh Secretariat No. 2, Karachi	Email: ddo.mecpdd@gmail.com











Eggin See Out

# Bank AL Habib Limited

5047 - ISLAMIC NORTH NAZIMABAD BLK-I PLOT# C-184,NOOR RESIDENCY,BLOCK-I, SCHEME 2,NORTH NAZIMABAD,KHI.

### **NOT OVER PKR 5,500,000.00 ONLY**

Pay to

DDO "STRENGTHENING & CAPACITY BUILDING OF REGIONAL

OFFICES OF M & E CELL AT HYDERABAD & SUKKAR"

Rupees

PAKISTANI RUPEES FIVE MILLION FIVE HUNDRED THOUSAND ONLY.

PAYABLE AT ANY BRANCH IN PAKISTAN

Valid for Twelve Months from the date of Issuance

Please do not write below this line.



B.C. No. 09862608

Stationery/Ref No. 02466988/2023 05

2 5 0 5 2 3

KR \*\*\*\*5,500,000.00

Signatory PA/Attorney No

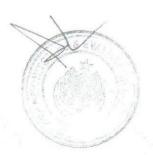
Signatory PA/Attorney No

"O986 2608"O 238888":

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# PART-IV

# TECHNICAL SPECIFICATIONS AND BILL OF QUANTITIES FOR THE WORK







Page 18 of 48

	MONITORING EQUIPMENTS				
Sr#	ITEM DESCRIPTION	QTY	RATE	UNIT	AMOUNT
1	Main features of the Product 1" 20MP CMOS Sensor Gimbal-Stabilized 4K 60/20MP Imaging Flight Autonomy with Redundant Sensors Four Directions of Obstacle Avoidance Top Speed of 44 mph in Sport Mode Maximum Control Range of 4.3 Miles Visual Tracking of Moving Subject Up to 30 Minutes Flying Time Remote Controller with 1080p Display	04	168052650	Each	6722,106.00
2	Wireless crack width gauge is used to measure the width of cracks such as bridges, tunnels, towers, buildings, concrete components, pavement, metal components and so on. The Wireless crack width gauge uses modern electronic imaging technology to image the original structure on the tablet computer and automatically read out the real and reliable crack width data through high precision scale on screen  Specification  Host parameters: Android system tablet Test scope: 0~10 mm Measurement accuracy: 0.01mm Estimable accuracy: 0.01mm Magnification: Digital 60 times Width Detection: stand by Storage capacity: 32G(expandable) Data transmission mode: Wireless cloud transmission(optional) Probe powder supply mode: Built-in rechargeable lithium battery Operational mode: Touch screen +shortcut Connection mode: Wifi Interpretation method: Automatic interpretation/ manual interpretation	04	1,809328.11	Each	4237312.44
3	Technical Parameters  Measuring range: 0 - 3000 μs - accuracy +/- 0,1 μs  Selection of the ultrasonic pulse amplitude adjustable from 250 to 1000V  Single or continuous acquisition mode with automatic or manual saving.  Zero calibration with depuration of the time for the pulse to go through the probes.  Capacity of data acquisition, processing and filing of the test data up to 30.000 samples.  Interface mini USB for PC connection.  The standard appliance includes:  The instrument in basic configuration in a practical palmer container.  Two 55kHz probes with connection cables.  Calibrating cylinder and contact paste.  Battery rechargeable pack NiMh 4,8V > 2000m/A with low battery condition alarm.  Anti-shock case holding the unit and the accessories.  External feeder 230V and battery charger 12V 500m/A.  Case dimensions: 400x340x110 mm	08	ATRATIANT OF SAFE	Each	12 to 1418. NB

Bidding Documents	M&E	Cell, P&D De	ptt, Govt:	of Sindh
PORTABLE ULTRASONIC THICKNESS GAUGE  FUDENT - USMG  Measuring ranges from 0.039 to 8.85 in/1 to 225mm.				
Resolution: 0.01mm. you can get accurate (±0.5%H+0.05mm) readings in inch or mm in 0.5 seconds.  Sound velocity from 1000 to 9999m/s Multi-Functional: 2.4" HD color screen display with backlit & 5 selectable color display, storage up to 500 data, statistic view, calibration, auto-off, and restores factory settings function.  Versatile Uses: Widely used for measuring Metal and Nonmetal materials, Steel, Aluminum, Copper, Brass, Zinc, Plastic, PVC, Glass, Ceramics, Pipes and any other good ultrasonic wave conductor as long as it has parallel top and bottom surfaces.  What You Get: 1x Digital ultrasonic thickness gauge, 1x Probe 5MHz, Built-in metal calibration block, 1x USB Cable, 3x Rechargeable Battery, 1x Operation Manual, and 12 months warranty, and a friendly 24/7 professional customer service team.	04	254.00	Each	7017 geo. to
PORTABLE ULTRA SONIC COATING THICKNESS GAUGE  DEFELSK 0- 6000  1. Measuring range: 0 ~ 1500um/0~59mils, Accuracy: ±(3%H+1µm), 2. Resolution of 0.1 mils 3. Aluminum Calibration plates, Plastic shim test set, carrying case.	08	614364.74	Each	49.49° 7.94
PORTABLE HANDHELD METAL LOCATOR  1. Power:6 x 1.5V AA included 2. Frequency:7.5 KHz 3. Current: Standby: 65mA Max: 150mA 4. Voltage:7.2-9.6V 5. Operating Temperature: -20 to +60 6. Sensitivity: US 50 Cent: 200mm 7. Indication Mode: LCD Mode 8. Stretch Length:23-31 inches 9. Detector Diameter:8.3 inc	04	csauca.ch	Each	2757878.45
CONCRETE COVERMETER Rebar location Rebar orientation Depth of cover Cover reading thickness mm or inches Large graphic display with backlight Multiple language menu structure Signal strength bar Interchangeable heads with led and keypad User selectable bar range sizes and numbers Auto size mode for quick bar diameter determination Orthogonal mode for bar diameter determination Other models of search head available on order for Narrow pitch search, Deep cover search, Borehole. See accessories. RS 232 output to PC EDTS MS EXCEL link software Data logging	06	94. 94.	Each	216Hoad as
Adjustable beep volume & earphone socket			1907	



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Page 19 of 48

	Bidding Documents	M&E C	Cell, P&D Dept	t, Govt: or	SHRIT
3	LASER MEASURING & MARKING EQUIPMENT LASER LEVEL  The laser level has one horizontal 360 Degree and two vertical laser lines in a 90 Degree angle, plus one plumb down point, for the most useful laser configurations in one tool  Up to 4x better visibility: With green laser technology, the line level delivers up to 4x better visibility than laser levels with red laser lines Easy-to-use: A sliding on/off switch and two-button keypad enables one-handed control of the green laser level Precise results: For highly accurate measuring, the line level delivers precise results within ± 0.4 mm/m (lines) and +/- 1.0 mm/m (plumb point) Self-levelling: The laser level can self-level up to ± 4	04	45,00	Each	1667 Aug. 00
9	Laser Measure includes multiple measurement capabilities such as area, distance, length, volume, continuous measurement, addition and subtraction. Measuring distance extends up to 135 feet  MEMORY: Conveniently stores up to 10 measurements to increase productivity. Real time laser measurements adjust as the user moves closer and farther away, just like a tape measure  VISIBILITY: Laser Measure features a backlit screen for better visibility and resolution in dark work areas  ACCURACY: measures to within +/ 1/16 in. for extreme accuracy and	04	1300, 20	Each	156316.8°
	THERMOMETER FOR ASPHALT, BITUMEN & CONCRETE BITUMEN THERMOMETER WITH ACCESSORY  Measurement Instruments Certification: Ansi Standard K-type Power Source: Battery Powered	06	35767.61		811515.65

. /	Bidding Documents	M&E	Cell, P&D De	eptt, Govt: of	Sindh
11	Portable Water Quality Analyzer PH/MV Electronic Data Logger with Printer/phMeter  Specification  Measuring Range: 0 to 14pH-1999 to 2000mV Accuracy: ±(0.01pH +1 dgt.)±(2mV +1 dgt.) Resolution: 0.01pH - 0.1/1mV Temperature  Measuring Range: 32 to 230°F (0 to 110°C) Accuracy: ±0.4°F (0.2°C) +1 dgt. Resolution: 0.1°F (0.1°C) Auto Shut-off	04	50°00.54	Each	2,000,754.
12	High Quality Portable Pocket Type 5 in 1 Meter TDS/EC/PH/Salinity/Temperature Meter AZ INSTRUMENTS This 4-in-1 meter measures Conductivity, Total dissolved Solids (TDS), Salinity & Temperature	04	51808.80	Each	631 505.19
	ELECTONIC TACHOMETER TYPE ZTS-420 L8 COMPLETE WITH APPROPRIATE ACCESSORIES FOR COMPLETING THE JOB OR EQUIVALENT				
	Main features Measurement Method: Absolute encoding Minimum readout: 1"/5"/10" Accuracy: 2" Reflectorless Range: 800M With single prism: 7500M Measuring Time: 1.5 Second Measuring Time: 1.5 Second Magnification: 30X Field of view: 1°30' (2.7m at 100m) Minimum focusing distance: 1.5M Reticle: illuminated		25 THE STATE OF TH		10.58451.1
13	Interface: Bluetooth/RS232/SD Card4/USB Pen Drive Internal Memory Data Storage: 20,000 Points Data Format: ASDCII Display: 2.8-inch High resolution backlight black and white display with contrast adjustment/ Graphics: 240 x 320 pixels / Character: 6 lines x 25 characters Keyboard: 2 sides Alphanumeric backlit crystal keyboard Laser Plummet Type: Laser point, 4 brightness levels adjustment Centering Accuracy: 1 mm at 1.5m instrument height	04	ZSU!	Each	10,
1	Battery Type: Rechargeable Li-ion battery Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh Battery timing: Optimal 16 hours/10 hours typical Operating Temperature: -20°C ~+50°C Storage Temperature: -40°C ~+70°C Dust & Water Proof (IEC60529Standard)/Humidity: IP55 Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No. Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No. Rain/Dust protective cover, 1.No.	***	* 60 =		

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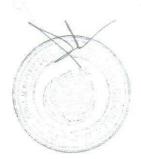
Page 21 of 48

	Diddle a Desamonte	M&F	Cell, P&D Dep	att Govt of	Sindh
	Bidding Documents TRAVELING BEAM DEVICE	PICE	CCII, I ab bc	occ, dove. or	Jillari
4	Used to detect and check any irregularity in both bituminous and concrete road surfaces. The unit consists essentially of a 3-meter-long beam fixed on two rigid wheels at the extremities. In the middle of the beam a sensing unit comprising a wheel connected to an indicator provides a magnification of 4:1 and measures deviations of the surface. The deviations are shown on a scale calibrated in increments of 2 mm up to 10 mm and 5 mm up to 25 mm.  The beam is supplied as three sub-assemblies which are quickly assembled on site.  Dimension: 790x3200x1080 mm approx.  Weight: 55 kg approx.  ACCESSORIES  B098-01N  AUTOGRAPHIC RECORDING DEVICE  When connected to the Travelling Beam Device mod. B098N, it provides a permanent record of the surface profile. It records up to 1000 metre surface on the special chart paper rolls. Supplied complete with 10 chart rolls and 2 fibre-tipped pens. B098-03N DYE-MARKER with paint bottle, used to identify suspect areas.  B098-05 WOODEN CARRYING CASE to house the Travelling Beam Device. Dimensions: 1480x680x510 mm approx.  SPARES  B098-11 Pack of 10 chart rolls for approx. 1000 metre run.  B098-12 Fibre-tipped pen for use with the recorder.  B098-13 Dye-marker paint bottle.	04	S. S	Each	THE SECOND SECON
15	GASOLINE POWERED PORTABLE UNESALCORE DRILLING MACHINE  Drilling range: Ø15-305mm Rated voltage: 220V- Rated power: 50-60Hz Input power: 4550W No-load speed: 380r / min Diamond drilling machine is a new type of tool that can drill holes in reinforced concrete, masonry, rock, ceramics and refractory materials. It has the characteristics of dust-free operation, high efficiency, smooth hole wall and accurate size. It is suitable for equipment installation, water and electricity, gas installation, civil engineering quality inspection, airport runway, highway, railway, railway bridge tunnel and other construction, quality inspection, installation fields.	01	3000	Each	37500.21
16	Utility locator series uses industry-leading digital signal processing to identify underground assets deeper, faster and more accurately than any other system  A pipe & cable locator uses conductive or inductive methods to find hidden pipes, cables, Manhole Covers etc with a high level of accuracy. For example, a conductive pipe locator may be used to apply a tracing signal to a coated metallic pipe at an access point such as valve or meter	04	Course of the co	Each	no ashan se
17	DIGITAL VERNIER CALLIPERSPECIFICATION:  Measuring range: 0-150mm /0-6 inch.; Accuracy: + 0.02 mm/ 0.001 in. (100 - 150 mm). Resolution: 0.01mm/ 0.0005 in Repeatability: 0.01mm/ 0.0005 in Maximum measurement speed: 1m/s, Power: 1 x 1.5V SR44 (silver oxide cell) battery.	04	0.0817.17	Each	363768.48

-	Bidding Documents	M&E	Cell, P&D Dep	tt, Govt: of	f Sindh
18	Item Type: Diameter Gage Material: Stainless Steel STAINLESS STEEL WIRE WELDING GAUGE: Metal sheets welding thickness gauge is made of high quality stainless steel, sturdy and durable, an useful measuring tool for help you save time and material.	04	51,674.08	Each	230 bad.52
19	THERMOGRAPHY INFRA RED IRT  Features & Specs Temperature Testing The measuring range is -10 ° C to 400 ° C Capturing an astonishing level of detail through high thermal sensitivity, isolating the smallest temperature anomalies.  Resolution:  32x32 pixel resolution, 33° Field of View, capture a clear accurate image focused throughout the field of view IR Thermal imaging camera technics  Use 2-megapixel white lens and 2.2 TFT LCD screen to visualize targets more flexibly Integrated Visual Display Combine Infrared and visible images for simpler analysis and edit and optimize image	04	Joseph as	Each	Ser
20	MULTI FUNCTION DIGITAL MOISTURE METER  Digital Multi-function moisture meter use for measuring the moisture content of Soil, Cement, Sand, Plater, Concrete and Mortar etc.  Specification Display:4 digital LCD Measuring range:0-50% Operation condition: Temperature:0-60°C Humidity:5%-90%RH Resolusion:0.1 Accuracy: ± 2%n(Non- saturation condition) Power supply: 4x1.5 AAA size (UM-4)(not included) pattery Dimensions:140mm×60mm×22mm Needle: 280mm Weight:2 0g	01	207/56-80	Each	263,756.80

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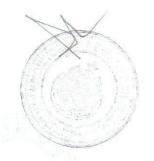


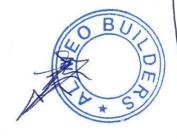
	Bidding Documents	MAE	Cell, P&D De	ou, Govi. or	Sinun
	OPTICAL MEASURING INSTRUMENT				
	Features & specification				
	High precision engineering auto level		1.9 1.7	× 3 11 8	
	*Magnetically damped compensator that supports accurate instrument				
	leveling				
	*High resolution telescope for quick and clear target sighting				
	*Designed and developed for best performance in various civil				
	engineering and construction projects				
	Magnification: 32 x				
	Length of Tube: 218 mm PW(AY				
	Objective Aperture: 45 mm  Note: 182201				
	Field of View: 1°'20'		35.00		146 138 is
	Resolution (JIS Standard) 2.5"		10		A
	Minimum Focus: 3 m (from the centre of the instrument)		20		110
	Focusing Know: 2 speed		32	h	11611
1	Stadia Ratio: 100	02	1	Each	101
	Horizontal Circle (Diameter):				1
	103 mm		muan Life		
	Horizontal Circle: 1°				
	Automatic Compensator		4 7 4 1	7/1	
	Accuracy: 0.3"				
	Range: ± 15'				
	Circular Bubble Sensitively: ≤ 8'/2 mm	V			
	Sighting Device: Collimator	1			
	Standard Deviation: ± 0.7 mm				
	(1km double run leveling)** ± 0.4 mm, Waterproof Grade: IPX6				
	Size: 218 (L) x 132 (W) x 142 (H) mm				
	Weight: 1.71 kg				
	Accessories included				
	Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench		1 1 3 4		
	Adjusting Pin, Aluminum Tripod stand & Aluminum staff pole				
	CONCRETE SCHIMIDT HAMMER				
	Concrete Test hammer ASTM, EN, DM, BS and NF Test standards				
	Description & Specification				
	Type 'N' range 10 to 70 N/mm2 (100 to 700 kgf)/cm2)				
	Impact energy 0.225 mkg (2.207 joules)				
	Included certificate calibration by KAN				N
	For noon-destructive strength testing of concrete and structural		N		1687 3rd
	10-2-2-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		100		25
	components		(8)		(3)
2	In operation, the hammer hits the concrete at a defined energy		141	ų,	160,
2	Its rebound is dependent on the hardness concrete	04	MAI	Each	2
	Through the use of the included conversion table				
	The rebound value can be converted to compressive strength				
	The standard (Type N) hammers that display rebound values on a				
	mechanical sliding scale.				
	For testing thin walled structural components with a thickness of less				
	than 10 cm or rock cores				
	Accessories included				
	1 x Test hammer, 1xcarbondum rubbing stone, 1 x Manual operation, 1				
	x carrying bag				

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02	47.20.20 47.20.20	Each	S. S
01	997551.70	Each	19951.70
02	722,88.00	Each	1440,576.00
	02	02 (4727).70	Bach Sylves 10

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	Bidding Documents	M&E	Cell, P&D Dep	tt, Govt: of S	Sindh
	LONGITUDE AND LATITUDE MEASURING DEVICE COMPLETE WITH APPROPRIATE ACCESSORIES TO				
	COMPLETE THE JOB		- P-9-	4-1-1	
	Features HEMISPHELE-GNSS  Features Part CSM/CRPS/IMTS CPS Glopass ReiDou Galileo and				
	Unian-Penta Band. USIVI/GPRS/UNITS, OFS, Gioriass, Delbou, Gameo and				
	SBAS, Novatel GNSS Technology & Q-Lock, all visible satellites are tracked with the highest possible sensitivity, IP68 dust & water proof, shock and				
	vibration resistance, complete control with receiver keypad, quick swappable				
	sim and micro sd cards, Internal GSM/GPRS Antenna, External power & radio port			,	
	Specification Q-Lock Technology: Lowest noise & multiple Mitigation, Satellites (Max				
	number tracked simultaneously: 60, Channels: 120, GPS Tracking: L1,L2,				
	L2C, Glonass tracking: L1,L2, Beidou tracking: B1*, Galileo tracking: E1*, Positioning rate: 20Hz* 5Hz		Δ.		3
	SBAS: EGNOS, WAAS, MSAS, GAGAN		L.N		(50)
	Accuracy Static H/V (mm+ppm): 3+0.5/5+0.5		10	y,	(2)XX
6	Static Long H/V (mm+ppm): 3+0.1/3.5+0.4 Kinematic H/V (mm+ppm): 8+1/15+1	02	der	Each	22/1/50:30
	Communication				,m6341
	GSM/GPRS Module: Quad-Band GSM & Penta- Band; UMTS 800/850/900/1900/2100 MHz			A PRINCE	100
	Internal Antenna Communication Port: USB, Serial & power		0.5		
	Interfaces Keyboard: On/Off & Function keys		- 1 - 1 - 1		200 (20)
	LED Status & mode indicators: Positions, battery Bluetooth, RTK Receiver, RTK Transmit, Storage card, Rover base static, Data Recording: 8 GB				* 9
	removable micro SD Card GSM/TCP/IP: Removable sim card				
	Power supply External power/internal battery: 10.5v to 28v/				
	removable 2.6 Ah: 7.4V Operating Time (Static/Rover): 9h/6h				
	Protection class: IP68	1	10 19 19		
	Operating Temperature: -40 Deg. C TO + 65 Deg. C Humidity: 100% condensing				
	Complete with Base Station + Rover + Field Controller + Batteries + Charger + Antennas + Tribrach+ Tripod Stand + Fiber Pole				
	Charger + Antennas + Inforacn+ Impod Stand + Fiber Fole				
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	Bidding Documents	M&	E Cell, P&D De	ptt, Govt: d	of Sindh
30	OPTICAL MICROMETER TYPE OM5 FOR COMPLETEING THE JOB OR EQUIVALENT ENGINE FEATURES  Optical micrometer is an optional accessory that mounts to the optical automatic level for increased precision. For metric level rods or staffs. Perfect for high precision leveling, The Optical Micrometer mounts on the automatic level telescope allowing for staff readings in increments of 0.1mm. Ideal for deformation studies or industrial measuring tasks, this optical parallel plate micrometer also improves the accuracy of the auto level from 0.7mm to 0.5mm per kilometer double run leveling. The OM5 enables surveyors and construction and Industrials professionals to achieve the highest accuracy when using metric level rods or staffs.	02	252342.11	Each	South 184.2
31	ON-SITE HANDHELD/ANDROID DATA COLLECTOR & RECORDER TYPE P8 I FOR COMPLETING THE JOB OR EQUIVALENT  Rugged 5" Android handheld data collector and recorder that perform well in challenging environments such as Forests, urban areas, land, plots for recording accurate measurements and perform calculation on site or on field Features High performance CPU equipped with Octa-core 2.0 GHz processor and Android 9.0 System 5" high capacitive screen with 1280x720 resolution With built-in 5200mAh lithium rechargeable and replaceable battery for full day working Dual Sim card with 4G Network All GNSS Constellation supported such as GPS, BDS, Galileo & Glonass 32GB Internal storage and supports SD Card expansion up to 128 GB With stylus pen to operate accurate even in rain mode. IP67 Dustproof & waterproof System Specification Processor: MT6762, OS: Android 9.0, RAM: 3GB, ROM: 32GB Camera Specification REAR: 13MP, Flash Light: Supported, Auto Focusing: Supported Screen Specification Screen size: 5", Resolution: 1280x720, Density: 320 dpi, Brightness: 400 nits, Touch panel: Capacitive, TFT, Touch: 10 touch points GNSS Specification Channels: 72, Tracking: GPS, BDS, GLONASS, GALILEO, Accuracy: Single 1-3m Communication specification GSM, Wiff, Bluetooth SD Card, USB	02	18. St. St. St. St. St. St. St. St. St. St	Each	28. 28. 28. 28. 28. 28. 28. 28. 28. 28.
32	MULTIPLE HANDHELD GAS MONITOR DETECTOR MODEL K-400M OR EQUIVALENT  1. Power: 6x1.5V AA included 2. Frequency: 7.5 KHz 3. Current Standby: 65mA Max: 150mA 4. Voltage: 7.2-9.6V 5. Operating Temperature: -20 to +60 6. Sensitivity: US 50 Cent: 200mm 7. Indication Model: LCD Mode 8. Stretch Length: 23-31 inches 9. Detector Diameter: 8.3 inches	04	Sarry 8.62	Each	23. TAN. HT



Bidding Documents	M&E Cell, P&D Deptt, Govt: of Sindh
DUAL BORE INSPECTION CAMERA FOR BORE/WELL WITH 300 METER CABLE TYPE V10-BSC FOR COMPLETING THE JOB OR EQUIVALENT	
Main Features  Dual waterproof camera for deep well inspection  Dia 63mm x L570mm stainless steel 700TVL Camera  IP68 Waterproof up to 50Bar  100m-500m twist wires cable with electric winch  HD DRV Control Box with Audio/Video recording function  Built-in 128G Solid state drives to storage video/audio files  Builtin Compass and temperature sensor  Dual Camera	
Ø 63mm L570mm stainless steel casing Waterproof IP68 operating depth 50 bars (725 PSI) Dual camera down & side viewing Pan 360° rotate endless View angle 120°	48 CEV. 60
Sensor resolution PAL 720Hx576V NTSC 720Hx480V Horizon resolution 700 TVL 6 pcs high light LED (Down View) 6 pcs high light LED (Side View) Camera weight: 6 Kg Electric Winch Winding speed: 0-20m/min Cable Speed: Adjustable Ø10mm Twisted pair cable (300M)	Bach Bach 22/2/2019
Power supply: 230V On screen depth encoder Electric cable rolling Control Unit Monitor 10" Industrial color monitor Display mode: 4:3 Resolution: 1024*768 Control Panel Video input option: Borehole Camera or Pan & Tilt Camera Winch operating knob: (adjustable speed, cable up & down, brake) Camera Rotation control button (Clockwise & counter clockwise) Down & side camera select button & LED brightness control button. HD DVR Audio/Video recording and playback Video storage Medium: Builtin 128GB SSD or USB Device On Screen depth encoder temperature & direction.	
	Installation, Calibration and Service Charge 2245300.00
	Total Amount 232834594.77
	GST (If applicable) 41,910,277.06
	Grand Total 27474482183
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71	Page 29 of 48

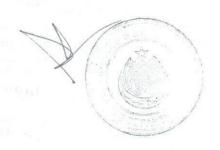
### Part-V

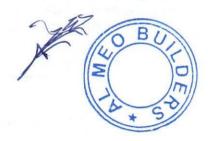
## SCHEDULE OF REQUIREMENTS

The delivery schedule is hereafter expressed the date of delivery required along with location is as under:

Sr	Items /Qty	Time of Delivery from date of Award	Location of Supply	Phone No. & Email
1	As specified in Part – IV of this	within three (03) months after	Assistant Director (A&A)(MEC) Monitoring & Evaluation Cell (MEC), P&D Department, Room No. 419-E,	Phone No. 021-99211927 / 99211403
1	bidding documents	contract signing	3rd Floor, Tughlaque House Sindh Secretariat No. 2, Karachi	Email: ddo.mecpdd@gmail.com







# PART-IV

# TECHNICAL SPECIFICATIONS AND BILL OF QUANTITIES FOR THE WORK





	MONITORING EQUIPMENTS				
Sr#	ITEM DESCRIPTION	QTY	RATE	UNIT	AMOUNT
1	Main features of the Product 1" 20MP CMOS Sensor Gimbal-Stabilized 4K 60/20MP Imaging Flight Autonomy with Redundant Sensors Four Directions of Obstacle Avoidance Top Speed of 44 mph in Sport Mode Maximum Control Range of 4.3 Miles Visual Tracking of Moving Subject Up to 30 Minutes Flying Time Remote Controller with 1080p Display	04		Each	
2	WIRELESS CRACK WIDTH GUAGE  Features & Specs	04		Each	
3	Technical Parameters  Matest / C369 N  Measuring range: 0 - 3000 μs - accuracy +/- 0,1 μs  Selection of the ultrasonic pulse amplitude adjustable from 250 to 1000V  Single or continuous acquisition mode with automatic or manual saving.  Zero calibration with depuration of the time for the pulse to go through the probes.  Capacity of data acquisition, processing and filing of the test data up to 30.000 samples.  Interface mini USB for PC connection.  The standard appliance includes: The instrument in basic configuration in a practical palmer container.  Two 55kHz probes with connection cables.  Calibrating cylinder and contact paste.  Battery rechargeable pack NiMh 4,8V > 2000m/A with low battery condition alarm.  Anti-shock case holding the unit and the accessories.  External feeder 230V and battery charger 12V 500m/A.  Case dimensions: 400x340x110 mm	08	July	Each	Contractor & Engineer

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1 1	Bidding Documents	THAL CO	11/100000			100
4	PORTABLE ULTRASONIC THICKNESS GAUGE  Winter Local  Measuring ranges from 0.039 to 8.85 in/1 to 225mm, Resolution: 0.01mm. you can get accurate (±0.5%H+0.05mm) readings in inch or mm in 0.5 seconds.  Sound velocity from 1000 to 9999m/s  Multi-Functional: 2.4" HD color screen display with backlit & 5 selectable color display, storage up to 500 data, statistic view, calibration, auto-off, and restores factory settings function.  Versatile Uses: Widely used for measuring Metal and Nonmetal materials, Steel, Aluminum, Copper, Brass, Zinc, Plastic, PVC, Glass, Ceramics, Pipes and any other good ultrasonic wave conductor as long as it has parallel top and bottom surfaces.  What You Get: 1x Digital ultrasonic thickness gauge, 1x Probe 5MHz, Built-in metal calibration block, 1x USB Cable, 3x Rechargeable Battery, 1x Operation Manual, and 12 months warranty, and a friendly 24/7 professional customer service team.	1		Each		
5	PORTABLE ULTRA SONIC COATING THICKNESS GAUGE  B.N. C. Tooling   GT58202  1. Measuring range: 0 ~ 1500um/0~59mils, Accuracy: ±(3%H+1µm), 2. Resolution of 0.1 mils 3. Aluminum Calibration plates, Plastic shim test set, carrying case.	08		Each		
6	PORTABLE HANDHELD METAL LOCATOR  1. Power:6 x 1.5V AA included 2. Frequency:7.5 KHz 3. Current: Standby: 65mA Max: 150mA 4. Voltage:7.2-9.6V 5. Operating Temperature: -20 to +60 6. Sensitivity: US 50 Cent: 200mm 7. Indication Mode: LCD Mode 8. Stretch Length:23-31 inches 9. Detector Diameter:8.3 inc	04		Each		
7	Rebar location Rebar orientation Depth of cover Cover reading thickness mm or inches Large graphic display with backlight Multiple language menu structure Signal strength bar Interchangeable heads with led and keypad User selectable bar range sizes and numbers Auto size mode for quick bar diameter determination Orthogonal mode for bar diameter determination Other models of search head available on order for Narrow pitch search, De cover search, Borehole. See accessories. RS 232 output to PC EDTS MS EXCEL link software Data logging Adjustable beep volume & earphone socket	06		Bach		
	O Hay				/	



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		Bidding Documents	M&E	Cell, P&D D	eptt, Govt: of	Sindh
/		LASER MEASURING & MARKING EQUIPMENT LASER LEVEL				
		DONG CHENGI DFF 0-6-41				
	8	The laser level has one horizontal 360 Degree and two vertical laser lines in a 90 Degree angle, plus one plumb down point, for the most useful laser configurations in one tool  Up to 4x better visibility: With green laser technology, the line level delivers up to 4x better visibility than laser levels with red laser lines  Easy-to-use: A sliding on/off switch and two-button keypad enables one-handed control of the green laser level  Precise results: For highly accurate measuring, the line level delivers precise results within ± 0.4 mm/m (lines) and +/- 1.0 mm/m (plumb point)  Self-levelling: The laser level can self-level up to ± 4	04		Each	
		LASER DISTANCE METER UNITY /LM40				
		Laser Measure includes multiple measurement capabilities such as area, distance, length, volume, continuous measurement, addition and subtraction. Measuring distance extends up to 135 feet				
	9	MEMORY: Conveniently stores up to 10 measurements to increase productivity. Real time laser measurements adjust as the user moves closer and farther away, just like a tape measure	04	5	-Fach	
		VISIBILITY: Laser Measure features a backlit screen for better visibility and resolution in dark work areas				
		ACCURACY: measures to within +/ 1/16 in. for extreme accuracy and precision				
		THERMOMETER FOR ASPHALT, BITUMEN & CONCRETE BITUMEN THERMOMETER WITH ACCESSORY MN Measurement Instruments Measurement Instruments	06			
		Certification: Ansi Standard K-type Power Source: Battery Powered Number of Batteries: 1 9V batteries required. (included)				
		Item Length 11 inches  Maximum Storage Temperature 140 Degrees Fahrenheit  Minimum Storage Temperature 20 Degrees Fahrenheit				
	10	Upper Temperature Rating: 1999 Degrees Fahrenheit Response Time 0.5 seconds Resolution 3 1/2 digit			Each	
		Immersion Depth 8 Inches Item Weight 1.28 pounds Product Dimensions 11 x 7 x 1 inches				
	,	Material Stainless Steel  Measurement System Fahrenheit and Celsius  HANNA/HI935005				V
		OPTIONAL ACCESSORY "K-TYPE Thermocouple with Wire & Handle for above Bitumen Thermometer k-Type Thermocouple Probe with Wire & Handle.	06	198		
		Q que	0	<u>-</u>		
			,	20	AND CENTRE SUGSAY	
			P	PIN FLOOR	Contractors Engineers	

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	Portable Water Quality Analyzer PH/MV Electronic Data	I INCE,	Leii, Pad De	ott, Govt. or s	oiliuli
6	Logger with Printer/phMeter  AZ Instrument/AZ9861  Specification  Measuring Range: 0 to 14pH-1999 to 2000mV				
11	Accuracy: ±(0.01pH +1 dgt.)±(2mV +1 dgt.) Resolution: 0.01pH - 0.1/1mV  Temperature Measuring Range: 32 to 230°F (0 to 110°C) Accuracy: ±0.4°F (0.2°C) +1 dgt. Resolution: 0.1°F (0.1°C) Auto Shut-off Low Battery Indicator	04		Each	
12	High Quality Portable Pocket Type 5 in 1 Meter  TDS/EC/PH/Salinity/Temperature Meter  Multi junction/EZ-9909  This 4-in-1 meter measures Conductivity, Total dissolved Solids  (TDS), Salinity & Temperature	04		Bach	
	ELECTONIC TACHOMETER  TYPE ZTS-420 L8 COMPLETE WITH APPROPRIATE  ACCESSORIES FOR COMPLETING THE JOB OR  EQUIVALENT  HI- Toyget / ZTS-420L8  Main features  Measurement Method: Absolute encoding  Minimum readout: 1"/5"/10"  Accuracy: 2"  Reflectorless Range: 800M				
	With single prism: 7500M Measuring Time: 1.5 Second Measuring Time: 1.5 Second Magnification: 30X Field of view: 1°30′ (2.7m at 100m) Minimum focusing distance: 1.5M Reticle: illuminated			h	
13	Interface: Bluetooth/RS232/SD Card4/USB Pen Drive Internal Memory Data Storage: 20,000 Points Data Format: ASDCII Display: 2.8-inch High resolution backlight black and white display with contrast adjustment/ Graphics: 240 x 320 pixels / Character: 6 lines x 25 characters Keyboard: 2 sides Alphanumeric backlit crystal keyboard Laser Plummet Type: Laser point, 4 brightness levels adjustment Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh	04		Each	
	Battery timing: Optimal 16 hours/10 hours typical Operating Temperature: -20°C ~+50°C Storage Temperature: -40°C ~+70°C Dust & Water Proof (IEC60529Standard)/Humidity: IP55 Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No. Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No. Rain/Dust protective cover, 1.No.	2.			
	agui	78	9		

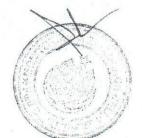
Page 21 of 48

M&E Cell, P&D Deptt, Govt: of Sindh **Bidding Documents** TRAVELING BEAM DEVICE Used to detect and check any irregularity in both bituminous and concrete road surfaces. The unit consists essentially of a 3-meter-long beam fixed on two rigid wheels at the extremities. In the middle of the beam a sensing unit comprising a wheel connected to an indicator provides a magnification of 4:1 and measures deviations of the surface. The deviations are shown on a scale calibrated in increments of 2 mm up to 10 mm and 5 mm up to 25 mm. The beam is supplied as three sub-assemblies which are quickly assembled on Dimension: 790x3200x1080 mm approx. Weight: 55 kg approx. Matest/B098N ACCESSORIES 04 14 B098-01N AUTOGRAPHIC RECORDING DEVICE When connected to the Travelling Beam Device mod. B098N, it provides a permanent record of the surface profile. It records up to 1000 metre surface on the special chart paper rolls. Supplied complete with 10 chart rolls and 2 fibretipped pens. B098-03N DYE-MARKER with paint bottle, used to identify suspect areas. B098-05 WOODEN CARRYING CASE to house the Travelling Beam Device. Dimensions: 1480x680x510 mm approx. SPARES B098-11 Pack of 10 chart rolls for approx. 1000 metre run. B098-12 Fibre-tipped pen for use with the recorder. B098-13 Dye-marker paint bottle. GASOLINE POWERED PORTABLE UNWESTLCORE DRILLING Drilling range: Ø15-305mm Lucky CM / OB. 305B Rated voltage: 220V-Rated power: 50-60Hz Input power: 4550W 01 No-load speed: 380r / min 15 Diamond drilling machine is a new type of tool that can drill holes in reinforced concrete, masonry, rock, ceramics and refractory materials. It has the characteristics of dust-free operation, high efficiency, smooth hole wall and accurate size. It is suitable for equipment installation, water and electricity, gas installation, civil engineering quality inspection, airport runway, highway, railway, railway bridge tunnel and other construction, quality inspection, installation fields. UNDERGROUND CABLE & PIPE LOCATOR Utility locator series uses industry-leading digital signal processing to identify underground assets deeper, faster and more accurately than any other system 04 16 A pipe & cable locator uses conductive or inductive methods to find hidden pipes, cables, Manhole Covers etc with a high level of accuracy. For example, a conductive pipe locator may be used to apply a tracing signal to a coated metallic pipe at an access point such as valve or meter DIGITAL VERNIER CALLIPERSPECIFICATION: Measuring range: 0-150mm /0-6 inch.; Accuracy: + 0.02 mm/ 0.001 in. (100 -150 mm). Resolution: 0.01mm/ 0.0005 in. - Repeatability: 0.01mm/ 0.0005 in. - Maximum measurement speed: 1m/s; Power: 1 x 1.5V SR44 (silver 04 17 oxide cell) battery. TN GCO/HDQUIISO

Page 22 of 48

-	Bidding Documents	M&E Cell, P&D	Deptt, Govt: of Sindh
18	STEEL DIAMETER GAUGEPLATE SPECIFICATION TNSIZE  Item Type: Diameter Gage Material: Stainless Steel  STAINLESS STEEL WIRE WELDING GAUGE: Metal sheets welding thickness gauge is made of high quality stainless steel, sturdy and durable, an useful measuring tool for help you save time and material.	04	Each
19	THERMOGRAPHY INFRA RED IRT  Features & Specs	04	Each
20	Digital Multi-function moisture meter use for measuring the moisture content of Soil, Cement, Sand, Plater, Concrete and Mortar etc.  Specification  Display:4 digital LCD Measuring range:0-50% Operation condition:  Temperature:0-60°C Humidity:5%-90%RH Resolusion:0.1 Accuracy: ±  2%n(Non-saturation condition) Power supply: 4x1.5 AAA size (UM-4)(not included) battery Dimensions:140mm×60mm×22mm Needle:  280mm Weight:210g	01	Each

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Bidding Documents	Addition of the second	M&E	Cell, P&D De	eptt, Govt: of	f Sindh
OPTICAL MEASURING INSTRUMENT		77 4 17	1		
Features & specification		1000			
High precision engineering auto level					
*Magnetically damped compensator that supports accurate instru	ment	34			
leveling	inent			PER HALL	
*High resolution telescope for quick and clear target sighting	100				
*Designed and developed for the start of	100 3	17	Jan 17	J. John	1
*Designed and developed for best performance in various civil		4.		JUR PROF	
engineering and construction projects	- 120 5.11	3.24	1	21	
Magnification: 32 x					
Length of Tube: 218 mm Image: Erect Objective Aperture: 45 mm	x'IPC				
Image: Erect	, , ,				
- Joseph - Dinni					
Field of View: 1°'20'				Maria Table	
Resolution (JIS Standard) 2.5"					
Minimum Focus: 3 m (from the centre of the instrument)			\		aranin .
Focusing Know: 2 speed		02		ch Gh	GPORT T
Stadia Ratio: 100		02		Each	AGE CONTRACT
Horizontal Circle (Diameter):					h maleur
103 mm		9, 30		1	C SURGERY I
Horizontal Circle: 1°	100				
Automatic Compensator					120
Accuracy: 0.3"			100		
Range: ± 15'	all and	100	ry to far I		
Circular Bubble Sensitively: ≤ 8'/2 mm		1	i i i i i d		
Sighting Device: Collimator					BUT BE BUT I
Standard Deviation: ± 0.7 mm			Shugger Si	100	
(1km double run leveling)** ± 0.4 mm, Waterproof Grade: IPX6					Harris Services
Size: 218 (L) x 132 (W) x 142 (H) mm	A Market		E Paranco		DATE OF THE SECOND
Weight: 1.71 kg					
Accessories included	the little				
Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench		1	in action	\	
Adjusting Pin Aluminum Trinod stand 6 41					- 1
Adjusting Pin, Aluminum Tripod stand & Aluminum staff pole					
CONCRETE SCHIMIDT HAMMER					
Concrete Test hammer ASTM, EN, DM, BS and NF Test standard	is			\	
Description & Specification		-		100	
Type 'N' range 10 to 70 N/mm2 (100 to 700 kgf)/cm2)					
Impact energy 0.225 mkg (2.207 joules)	WINDE				
Impact energy 0.225 mkg (2.207 joules) Included certificate calibration by KAN Matest / IWIN	141990				
For noon-destructive strength testing of concrete and structural					
components					
In operation, the hammer hits the concrete at a defined energy					
Its rebound is dependent on the hardness concrete				q	* \
Through the use of the included	0	14		Each	1
Through the use of the included conversion table				ш	
The rebound value can be converted to compressive strength	(80)				
The standard (Type N) hammers that display rebound values on a					
mechanical sliding scale.					
For testing thin walled structural components with a thickness of le	ess				
than 10 cm or rock cores				14 - 11 -	
Accessories included	1				
1 x Test hammer, 1xcarbondum rubbing stone, 1 x Manual operation	on 1				
x carrying bag	on, 1	1	_		-
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V	1			
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on somplete with 20 inch cutting blade
Large range thickness range(mm):5~185  Power supply Built in high capacity lithium battery  Test range (mm)  The first range: 1~90  the second range: 5~185  Screen 320*240  Working hours ≥16h Size 219*92*106cm  Data transfer mode USB\Wireless Operation Silicone keypad  Storage 200K Measuring point of steel bar  Display resolution 2.8-inch high-resolution color LCD screen (320×240  pixels)  Set shutdown time 5m, 10m, 15m, 30m, 60m, 90m  CONCRETE /ASPHALT CUTTER SAW  'CUT DIAMOND" Rosad Cutter fitted with 'Kipor" 15HP Air-cooled  Diesel Engine complete with 20 inch cutting blade
Size 219*92*106cm Data transfer mode USB\Wireless Operation Silicone keypad Storage 200K Measuring point of steel bar Display resolution 2.8-inch high-resolution color LCD screen (320×240 pixels) Set shutdown time 5m, 10m, 15m, 30m, 60m, 90m  CONCRETE /ASPHALT CUTTER SAW 'CUT DIAMOND" Rosad Cutter fitted with 'Kipor" 15HP Air-cooled Diesel Engine complete with 20 inch cutting blade
'CUT DIAMOND" Rosad Cutter fitted with 'Kipor" 15HP Air-cooled  Diesel Engine complete with 20 inch cutting blade
CUBDIAMANT / MC 500
PRESSURE WASHER Engine Features: 196cc Champion OHV Engine, 4 Stroke, Low oil shut off, single cylinder, Recoil start, cast iron steel for durability Washer Specification Max Pressure: 2600 Psi Flow Capacity: 2.2 gpm Pump: Axial Cam Wheel Size: 12"
ADW.

**Bidding Documents** M&E Ceil, P&D Deptt, Govt: of Sindh LONGITUDE AND LATITUDE MEASURING DEVICE COMPLETE WITH APPROPRIATE ACCESSORIES TO COMPLETE THE JOB Quad-Penta Band, GSM/GPRS/UMTS, GPS, Glonass, BeiDou, Galileo and SBAS, Novatel GNSS Technology & Q-Lock, all visible satellites are tracked with the highest possible sensitivity, IP68 dust & water proof, shock and vibration resistance, complete control with receiver keypad, quick swappable sim and micro sd cards, Internal GSM/GPRS Antenna, External power & radio port Specification Q-Lock Technology: Lowest noise & multiple Mitigation, Satellites (Max number tracked simultaneously: 60, Channels: 120, GPS Tracking: L1,L2, L2C, Glonass tracking: L1,L2, Beidou tracking: B1\*, Galileo tracking: E1\*, Positioning rate: 20Hz\* 5Hz SBAS: EGNOS, WAAS, MSAS, GAGAN Accuracy Greo Max/GNSS Static H/V (mm+ppm): 3+0.5/5+0.5 Static Long H/V (mm+ppm): 3+0.1/3.5+0.4 Kinematic H/V (mm+ppm): 26 02 8+1/15+1 Communication Zenith GSM/GPRS Module: Quad-Band GSM & Penta- Band; UMTS 800/850/900/1900/2100 MHz Internal Antenna Communication Port: USB, Serial & power Keyboard: On/Off & Function keys LED Status & mode indicators: Positions, battery Bluetooth, RTK Receiver, RTK Transmit, Storage card, Rover base static, Data Recording: 8 GB removable micro SD Card GSM/TCP/IP: Removable sim card Power supply External power/internal battery: 10.5v to 28v/ removable 2.6 Ah: 7.4V Operating Time (Static/Rover): 9h/6h Protection class: IP68 Operating Temperature: -40 Deg. C TO + 65 Deg. C Humidity: 100% condensing Complete with Base Station + Rover + Field Controller + Batteries + Charger + Antennas + Tribrach+ Tripod Stand + Fiber Pole

	Bidding Documents	M&E	Cell, P&D De	ptt, Govt: of	Sindh
	DOPPLER FLOW TESTER		1		
1	Handheld portable Ultrasonic Doppler water flow meter			1	200
	Features & specification				
	Measurement Accuracy: Flow ±1%, Heat ±2%	10			
	Sensor Probe Measurement Range: DN15-100mm(TS-2)/DN50 700mm(TM-				
	1)/DN300-6000mm(TL-1)			ight pro	100
	Power supply mode: Rechargeable battery power supply (charger included) Charging time: 8 hours		10 /	N NO C	
	Use time: 12 hours or more			STATE OF THE	AL MARKET
	Working power supply: 90-230VAC (12 hours working after sufficient				
	charge) including 2000mAh Ni-H Lithium battery		\		
	Accuracy level: indication value ±1%, flow rate greater than 0.2m/s Unit of Measure: Meter, Feet, Cubic Meter, Liter, Cubic Feet, US Gallon		and the state of	and state to	al and p
	Applicable pipe: carbon steel, stainless steel, cast iron, copper, PVC,		The Dispersion	्र म	alt lanking of
	aluminum, glass	02	1	Each	
-	steel, etc.				
	Liquid type: more than 30 kinds of pure liquids such as pure water and tap water		100000000000000000000000000000000000000	The state of	
	Data logging: built-in data logger, can store 32Mbit memory		13 550 5119		and last
	Medium temperature: conventional -30-90°C, high temperature types up to -	-		1	A SANSON
-	30-150°C				
-	Use humidity: 85% of the host Sensor Protection Level: IP67 ULtanSonic /T4F-2000H				
	Housing Material: Flame Retardant ABS		Ash Physical		u nigera
	Host material: die-cast aluminum		1374 1		Sa reference
	Accessories included 1 x TUF-2000H Ultrasonic Flow Meter, 3 x sensor (TS-2, TM-1,TL-1) 1 x			THE STATE OF	
	3M Steel tape, 1 x Oct Data Line, 1 x steel support chain, 1x 5m standard				
	sensor signal cable, 1x user manual, 1 x adapter		Service Const.	37.	
	CONCRETE COMPRESSION TESTING MACHINE 'MATEST'				
	'ITALY) MODEL C055 OR EQUIVALENT	7118 L	P		
	Compression machine 2000 KN motorized with Digital Control Unit to		- Leeb. 43 - 12	ر ہے	
	test cubes upto 150 mm side and cylinders up to dia 160x320 mm	01	TELESCOPE IN	Each	
				-	
	Matest/COSS			1	
	ULTRASONIC THICKNESS GUAGE 'SADT' MODEL SA40+				
	OR EQUIVALENT		y laborated	C ( )	
9	Using new technique of multiple echo (echo-to-echo) it can measure wall			enre du	
0	thickness under paint. For a normal ultrasonic thickness gauge, you must			tutron 1.7%	1
1	remove paint on work piece, but with new technology, it takes measurement directly over the paint of work piece and you can get real thickness value of			WE HELD	
-	work piece, it has two measuring modes: normal mode and multiple		7012.000		
-	echo(MEC) mode. By normal mode, it is a normal ultrasonic thickness gauge:				1
	by MEC mode, it can measure over coatings.			31750, 50	
	Specification Technique: pulse echo with dual probe			3100 1 1144	
]	Display: 4 digits LCD with backlight SADT /SAYO			71	
]	Measuring range: 0.7 to300.0mm	02	LESSINIST I	Each	
	Resolution: 0.01mm 0.8-99.99mm, 0.1mm 100.0-300.0mm Velocity range: 500-9999m/sec.	anti.	33.8	斑	
	Display circle: 1 sec.				
(	Coupling indication				
	Memory: 40 data can be stored and re-readable Units: mm or inch		Law Marin		
	Low battery indicator on LCD		174727 104	ed in the hi	
	Auto shut-off: after 5 min. of non-use				
	Power: 2 ea. 1.5V AA alkaline cells		116 110	10.20	
	Operating temperature: 0-40°C Operating humidity: 20-90%RH				\
	Size: 124x67x30mm				\
	Weight: 240g	harman and a second			
1	Jan Jan			- Comment	To

	Bidding Documents	M&E	Cell, P&D De	ott, Govt: of	Sindh
30	OPTICAL MICROMETER TYPE OM5 FOR COMPLETEING THE JOB OR EQUIVALENT ENGINE FEATURES  Optical micrometer is an optional accessory that mounts to the optical automatic level for increased precision. For metric level rods or staffs.  Perfect for high precision leveling, The Optical Micrometer mounts on the automatic level telescope allowing for staff readings in increments of 0.1mm. Ideal for deformation studies or industrial measuring tasks, this optical parallel plate micrometer also improves the accuracy of the auto level from 0.7mm to 0.5mm per kilometer double run leveling. The OM5 enables surveyors and construction and Industrials professionals to achieve the highest accuracy when using metric level rods or staffs.	02		Each	
	ON-SITE HANDHELD/ANDROID DATA COLLECTOR & RECORDER TYPE P8 I FOR COMPLETING THE JOB OR EQUIVALENT	Exect series			
31	Rugged 5" Android handheld data collector and recorder that perform well in challenging environments such as Forests, urban areas, land, plots for recording accurate measurements and perform calculation on site or on field Features High performance CPU equipped with Octa-core 2.0 GHz processor and Android 9.0 System 5" high capacitive screen with 1280x720 resolution With built-in 5200mAh lithium rechargeable and replaceable battery for full day working Dual Sim card with 4G Network All GNSS Constellation supported such as GPS, BDS, Galileo & Glonass 32GB Internal storage and supports SD Card expansion up to 128 GB With stylus pen to operate accurate even in rain mode. IP67 Dustproof & waterproof System Specification Processor: MT6762, OS: Android 9.0, RAM: 3GB, ROM: 32GB Camera Specification REAR: 13MP, Flash Light: Supported, Auto Focusing: Supported Screen Specification Screen size: 5", Resolution: 1280x720, Density: 320 dpi, Brightness: 400 nits, Touch panel: Capacitive, TFT, Touch: 10 touch points GNSS Specification Channels: 72, Tracking: GPS, BDS, GLONASS, GALILEO, Accuracy: Single 1-3m Communication specification GSM, Wifi, Bluetooth SD Card, USB	02	720:	Each	
32	MULTIPLE HANDHELD GAS MONITOR DETECTOR MODEL K-400M OR EQUIVALENT  1. Power: 6x1.5V AA included 2. Frequency: 7.5 KHz 3. Current Standby: 65mA Max: 150mA 4. Voltage: 7.2-9.6V 5. Operating Temperature: -20 to +60 6. Sensitivity: US 50 Cent: 200mm 7. Indication Model: LCD Mode 8. Stretch Length: 23-31 inches 9. Detector Diameter: 8.3 inches	04		Each	



	Ridding Documents	*			
-	Bidding Documents DOPPLER FLOW TESTER	M&	E Cell, P&D D	eptt, Govt:	of Sindh
1			1		
	Handheld portable Ultrasonic Doppler water flow meter				
1	Features & specification				
	Measurement Accuracy: Flow ±1%, Heat ±2%				
	Sensor Probe Measurement Range: DN15-100mm(TS-2)/DN50 700mm(TM-1)/DN300-6000mm(TL-1)				
	Power supply mode: Rechargeable battery power supply (charger included)	ALTER CALL		10/12/35	
- 1 2	Charging time. 6 hours	- 3	Pro No	17700	4
	Use time: 12 hours or more	- 12 7	1	1 2 2 TO 10 10	Manual I
	Working power supply: 90-230VAC (12 hours working after sufficient		1	Part to	The state of the s
1	marge) including 2000mAn NI-H Lithium hattery				
T	Accuracy level: indication value ±1%, flow rate greater than 0.2m/s Unit of Measure: Meter, Feet, Cubic Meter, Liter, Cubic Feet, US Gallon	lines and an in			A STREET, I
1	Applicable pipe: carbon steel, stainless steel, cast iron, copper, PVC,	And the second			
a	numum, giass	02	a sure na	Each	
	teel, etc.	E TOP THE	and the same	五	- Same
I	iquid type: more than 30 kinds of pure liquids such as pure water and tap		The Total	1000	
V	vacci			The second	
N	Data logging: built-in data logger, can store 32Mbit memory  Medium temperature: conventional -30-90°C, high temperature types up to -		11 CM 14 CM		diffeliges.
1 3	0-130 C	9			
U	Ise humidity: 85% of the host ensor Protection Level: IP67 ULtag Sonic / TUF-2000H		1000		
S	ensor Protection Level: IP67 UCTON Sonic / 14F-2000H		100000		
	Ousing Material: Flame Retardant ABS Ost material: die-cast aluminum		Fair Table	and an L	
A	ccessories included			in the same	
1	x TUF-2000H Ultrasonic Flow Meter, 3 x sensor (TS-2, TM-1,TL-1) 1 x				and the second
21	vi Steel tape, I x Oct Data Line. I x steel support chain 1x 5m standard				
SC	alsor signal cable, 1x user manual, 1 x adapter		AND TOWN	The Man	
C	ONCRETE COMPRESSION TESTING MACHINE 'MATEST'	1-A			
1	TALY) MODEL C055 OR EQUIVALENT	YIJE -			Standard Co.
C	ompression machine 2000 KN motorized with Digital Control Unit to				143
tes	st cubes up to 150 mm side and cylinders up to dia 160x320 mm	01	Turbert of te	Each	
			David Roy	五 /	41-11-11-11-11-11-11-11-11-11-11-11-11-1
	Matest/COSS				
U	LTRASONIC THICKNESS GUAGE 'SADT' MODEL SA40+		24		
Ol	R EQUIVALENT				
Us	ing new technique of multiple echo (echo-to-echo) it con many	IC Im I	shappy to	a depth of	
LIII	caness under paint. For a normal ultrasonic thickness gauge you must			men du	
101	dove paint on work piece, but with new technology it toless				SE- 1588
un	cour over the paint of work piece and you can get real thickness value of				
ech	rk piece, it has two measuring modes: normal mode and multiple to (MEC) mode. By normal mode, it is a normal ultrasonic thickness gauge;			giller H	
by	MEC mode, it can measure over coatings.				1
Spe	ecification				
Tec	chnique: pulse echo with dual probe				
DIS Ma	play: 4 digits LCD with backlight SADT /SA40				
Res	asuring range: 0.7 to300.0mm olution: 0.01mm 0.8-99.99mm, 0.1mm 100.0-300.0mm	02	and the second	ch Ch	-7.
Vel	ocity range: 500-9999m/sec.	02	y y y	Each	
Dis	play circle: 1 sec.	Table last	A April 1 Se	ula legen	
Cou	pling indication			35.6	
Men	mory: 40 data can be stored and re-readable		* ************************************		
	ts: mm or inch v battery indicator on LCD			1000	
Aut	o shut-off: after 5 min. of non-use				
ow	er: 2 ea. 1.5V AA alkaline cells				
Ope	rating temperature: 0-40°C			The state of the s	
pe	rating humidity: 20-90%RH				
	: 124x67x30mm				
* C1	ght: 240g				Y
1	(one)	1 3		and the same of th	Tal
			1	MIRL SUL	Page 27 of

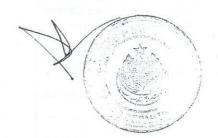
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B	V
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Installation Cali	pration and
	rice Charge
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1	Jens Amount
GST (I	f applicable)
	Grand Total
	STAIR TOTAL
	GST (I

## Part-V

## SCHEDULE OF REQUIREMENTS

The delivery schedule is hereafter expressed the date of delivery required along with location is as under:

Sr	Items /Qty	Time of Delivery from date of Award	Location of Supply	Phone No. & Email
1	As specified in Part – IV of this bidding documents	within three (03) months after contract signing	Assistant Director (A&A)(MEC) Monitoring & Evaluation Cell (MEC), P&D Department, Room No. 419-E, 3rd Floor, Tughlaque House Sindh Secretariat No. 2, Karachi	Phone No. 021-99211927 / 99211403  Email: ddo.mecpdd@gmail.com

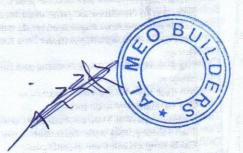




# PART-IV

# TECHNICAL SPECIFICATIONS AND BILL OF QUANTITIES FOR THE WORK





Page 17 of 48

Bidding Documents

M&E Cell, P&D Deptt, Govt: of Sindh

/	MONITORING EQUIPMENTS				
Sr#	ITEM DESCRIPTION	QTY	RATE	UNIT	AMOUNT
1	Main features of the Product 1" 20MP CMOS Sensor Gimbal-Stabilized 4K 60/20MP Imaging Flight Autonomy with Redundant Sensors Four Directions of Obstacle Avoidance Top Speed of 44 mph in Sport Mode Maximum Control Range of 4.3 Miles Visual Tracking of Moving Subject Up to 30 Minutes Flying Time Remote Controller with 1080p Display	04		Bach	
~	WIRELESS CRACK WIDTH GUAGE	National States			
2	Wireless crack width gauge is used to measure the width of cracks such as bridges, tunnels, towers, buildings, concrete components, pavement, metal components and so on. The Wireless crack width gauge uses modern electronic imaging technology to image the original structure on the tablet computer and automatically read out the real and reliable crack width data through high precision scale on screen				
	Specification				
	Host parameters: Android system tablet Test scope: 0~10 mm Measurement accuracy: 0.01mm Estimable accuracy: 0.01mm Magnification: Digital 60 times Width Detection: stand by Storage capacity: 32G(expandable) Data transmission mode: Wireless cloud transmission(optional) Probe powder supply mode: Built-in rechargeable lithium battery Operational mode: Touch screen +shortcut Connection mode: Wifi Interpretation method: Automatic interpretation/ manual interpretation	. 04		Bach	
3	ULTRASONIC PULSE VELOCITY METER  Technical Parameters  Measuring range: 0 - 3000 µs - accuracy +/- 0,1 µs  Selection of the ultrasonic pulse amplitude adjustable from 250 to 1000V  Single or continuous acquisition mode with automatic or manual saving.  Zero calibration with depuration of the time for the pulse to go through the probes.  Capacity of data acquisition, processing and filing of the test data up to 30.000 samples.  Interface mini USB for PC connection.  The standard appliance includes: The instrument in basic configuration in a practical palmer container.  Two 55kHz probes with connection cables.  Calibrating cylinder and contact paste.  Battery rechargeable pack NiMh 4,8V > 2000m/A with low battery condition alarm.  Anti-shock case holding the unit and the accessories.  External feeder 230V and battery charger 12V 500m/A.  Case dimensions: 400x340x110 mm	08	agu	Bach	O B U

T	PORTABLE ULTRASONIC THICKNESS GAUGE	M&E	Cell, P&D D	on# C- +	
	Measuring ranges from 0.039 to 8.85 in/1 to 225mm, Resolution: 0.01mm. you can get accurate (±0.5%H+0.05mm) readings in inch or mm in 0.5 seconds.  Sound velocity from 1000 to 9999m/s Multi-Functional: 2.4" HD color screen display with backlit & 5 selectable color display, storage up to 500 data, statistic view, calibration, auto-off, and restores factory settings function.  Versatile Uses: Widely used for measuring Metal and Nonmetal materials, Steel, Aluminum, Copper, Brass, Zinc, Plastic, PVC, Glass, Ceramics, Pipes and any other good ultrasonic wave conductor as long as it has parallel top and bottom surfaces.  What You Get: 1x Digital ultrasonic thickness gauge, 1x Probe 5MHz, Built-in metal calibration block, 1x USB Cable, 3x Rechargeable Battery, 1x Operation service team.			Bach	of Sindh
5	PORTABLE ULTRA SONIC COATING THICKNESS  Defelsko-Positectox 6000  1. Measuring range: 0~1500um/0~59mils, Accuracy: ±(3%H+1µm), 2. Resolution of 0.1 mils 3. Aluminum Calibration plates, Plastic shim test set, carrying case.	08		Each	
<b>6</b>	PORTABLE HANDHELD METAL LOCATOR  1. Power:6 x 1.5V AA included 2. Frequency:7.5 KHz 3. Current: Standby: 65mA Max: 150mA 4. Voltage:7.2-9.6V 5. Operating Temperature: -20 to +60 6. Sensitivity: US 50 Cent: 200mm 7. Indication Mode: LCD Mode 8. Stretch Length:23-31 inches 9. Detector Diameter:8.3 inc	04		Bach	
- II	CONCRETE COVERMETER  Rebar location  Rebar orientation  Control  Depth of cover  Cover reading thickness mm or inches  Large graphic display with backlight  Multiple language menu structure  Signal strength bar  Interchangeable heads with led and keypad  Jser selectable bar range sizes and numbers  Auto size mode for quick bar diameter determination  Orthogonal mode for bar diameter determination  Other models of search head available on order for Narrow pitch search, Deep  S 232 output to PC  DTS MS EXCEL link software  ata logging  djustable beep volume & earphone socket				
/OR S		gw.		O BO	LDE A

Bidding I	Documents	M&E Cell	, P&D Deptt, Govt: of	Sinan \
Boschi The laser level I 90 Degree angle configurations i Up to 4x better up to 4x better up to 4x better Easy-to-use: A handed control Precise results: results within ±	has one horizontal 360 Degree and two vertical laser lines in the plus one plumb down point, for the most useful laser	rs 04		
Laser Measure distance, length Measuring dist	includes multiple measurement capabilities such as a volume, continuous measurement, addition and subtracture extends up to 135 feet	area, ction.		
Real time laser just like a tape	nveniently stores up to 10 measurements to increase product measurements adjust as the user moves closer and farther a measure  _aser Measure features a backlit screen for better visibility	iway, 04	Each	
ACCURACY:	rk work areas measures to within +/ 1/16 in. for extreme accuracy and	and the Color of t		
Measurement Certification: Power Source Number of B Item Length	Instruments Ansi Standard K-type Battery Powered atteries: 1 9V batteries required. (included)	1 3.8		
Minimum Str Upper Temp. Response Tir Resolution 3 Immersion D Item Weight Product Dim Material Sta	epth 8 Inches 1.28 pounds ensions 11 x 7 x 1 inches			
OPTIONAL Handle for	ACCESSORY "K-TYPE Thermocouple with Wire & above Bitumen Thermometer k-Type Thermocouple Wire & Handle.	06		







	* Bidding Documents	M&E Cell, F	P&D Deptt, Govt: of Sindh	1
	Portable Water Quality Analyzer PH/MV Electronic Data			
	Logger with Printer/phMeter			
V	TOADK-P30			
	Specification			
1	Measuring Range; 0 to 14pH-1999 to 2000mV			
1	Accuracy: ±(0.01pH +1 dgt.)±(2mV +1 dgt.)		<b>4</b>	
	Resolution: 0.01pH - 0.1/1mV	04	Each	
	Temperature			
1	Measuring Range: 32 to 230°F (0 to 110°C)	s thirt glauer differ		
	Accuracy: ±0.4°F (0.2°C) +1 dgt.			
	Resolution: 0.1°F (0.1°C)		The Artificial Court Asset States	
	Auto Shut-off	n ar children iv rest postali da n'e francische de la children		
	Low Battery Indicator		THE COUNTY OF TAXABLE AND FOR PARTY.	
	High Quality Portable Pocket Type 5 in 1 Meter			
1	TDS/EC/BU/Selinity/Temperature Motor	The second second	The National State of the Contract of the Cont	
1	AZ INSTROMENTS 8721 +2	04	Each	
1	This 4-in-1 meter measures Conductivity, Total dissolved Solids	04	/ 8	
	(TDS), Salinity & Temperature	(A1991)	9 10 54 4	
1				
1	ELECTONIC TACHOMETER			
-	TYPE ZTS-420 L8 COMPLETE WITH APPROPRIATE	Carried Special Special	The second section of the sect	
	ACCESSORIES FOR COMPLETING THE JOB OR	The side test of the	The secretary of many that the second second	Property and
	EOUVALENT	THE STREET LINES OF THE	CONTROL OF THE CONTROL OF THE CONTROL OF	
1	EQUIVALENT PENTAX - 2200	Party Author Strong West Co	Charles In the Market Commence	
	Main features		100.00	
	Measurement Method: Absolute encoding	1 <sup>3</sup> Con 1985 (2018 10.) \$29 K. T		
The same	Minimum readout: 1"/5"/10"			
1 THE	Accuracy: 2"			
100000	Reflectorless Range: 800M		in the second of	
100 AN	With single prism: 7500M		as and the support of the devices the same	
	Measuring Time: 1.5 Second		And the second	
Turi.	Measuring Time: 1.5 Second  Measuring Time: 1.5 Second		A STATE OF THE PARTY OF THE PAR	
	Magnification: 30X	Charles de la écolo		
T. P.	Field of view: 1°30' (2.7m at 100m)		A PROPERTY OF THE PROPERTY OF	
Traff Ag	Minimum focusing distance: 1.5M		12 19021	
Section 1	Reticle: illuminated	150117A	, A Company of the control	
	Interface: Bluetooth/RS232/SD Card4/USB Pen Drive	DE 4147	Fach	
100	Internal Memory Data Storage: 20,000 Points	04	Maria Maria	
1	Data Format: ASDCII			
Contract par	Display: 2.8-inch High resolution backlight black and white display with		200 CON 100 CO	
THE STATE OF	contrast adjustment/ Graphics: 240 x 320 pixels / Character: 6 lines x 25		The second of th	
100	characters			
	Keyboard: 2 sides Alphanumeric backlit crystal keyboard			
	Laser Plunmet Type: Laser point, 4 brightness levels adjustment		Construction of the Constr	\
	Centering Accuracy: 1 mm at 1.5m instrument height			1
	Battery Type: Rechargeable Li-ion battery			1
	Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh	na and the same of the	CHARLES OF STREET, STR	137
	Battery timing: Optimal 16 hours/10 hours typical		a pinaka Pikibiak jerab ajest 26ta	\
	Operating Temperature: -20°C ~+50°C	THE STATE OF THE STATE OF		
	Storage Temperature: -40°C ~+70°C			
	Dust & Water Proof		i contrate de la company de la contrate de la contr	
	(IEC60529Standard)/Humidity: IP55		things in the combination of the contract	
	Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No. Mini USB,	andre		
	1.No. Tool kit, 1.No. Manual operation, 1.No. Rain/Dust protective cover,	1052110C	VOLY ADIL	
	Company of the Compan	all of the section of winds	where the remarkable (\$164).	id ribbs
1	1.No.			
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			Sept. 1 Control of the Control of th	
			(O B)	

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	Ridding Poguments	MAEC	all Den na	eptt, Govt: o	(Clodb
	Bidding Documents TRAVELING BEAM DEVICE	MAE C	al, FOLD DE	pa, Govi. o	\\
	Used to detect and check any irregularity in both bituminous and concrete road surfaces. The unit consists essentially of a 3-meter-long beam fixed on two rigid wheels at the extremities. In the middle of the beam a sensing unit comprising a wheel connected to an indicator provides a magnification of 4:1 and measures deviations of the surface. The deviations are shown on a scale calibrated in increments of 2 mm up to 10 mm and 5 mm up to 25 mm. The beam is supplied as three sub-assemblies which are quickly assembled on site.		200 A		
/	Dimension: 790x3200x1080 mm approx.  Weight: 55 kg approx.				
14	ACCESSORIES MATEST BOSSN B098-01N AUTOGRAPHIC RECORDING DEVICE When connected to the Travelling Beam Device mod. B098N, it provides a	04		Each	
	permanent record of the surface profile. It records up to 1000 metre surface on the special chart paper rolls. Supplied complete with 10 chart rolls and 2 fibre-tipped pens. B098-03N DYE-MARKER with paint bottle, used to identify suspect areas.				
	B098-05 WOODEN CARRYING CASE to house the Travelling Beam Device. Dimensions: 1480x680x510 mm approx. SPARES B098-11 Pack of 10 chart rolls for approx. 1000 metre run. B098-12 Fibre-tipped pen for use with the recorder. B098-13 Dye-marker paint bottle.		The state of the s		Commence of the Commence of th
	GASOLINE POWERED PORTABLE UNWESTLCORE DRILLING				A Composition of the second
15	MACHINE    KOR - 1     Drilling range: Ø15-305mm   C4-25   K SO     Rated voltage: 220V-   Rated power: 50-60Hz     Input power: 4550W     No-load speed: 380r / min     Diamond drilling machine is a new type of tool that can drill holes in	01		Each	
	reinforced concrete, masonry, rock, ceramics and refractory materials. It has the characteristics of dust-free operation, high efficiency, smooth hole wall and accurate size. It is suitable for equipment installation, water and electricity, gas installation, civil engineering quality inspection, airport runway, highway, railway, railway bridge tunnel and other construction, quality inspection, installation fields.				
16	Underground cable & PIPE LOCATOR  Utility locator series uses industry-leading digital signal processing to identify underground assets deeper, faster and more accurately than any other system  LUCA - DD 130 230  A pipe & cable locator uses conductive or inductive methods to find hidden pipes, cables, Manhole Covers etc with a high level of accuracy. For example, a conductive pipe locator may be used to apply a tracing signal to a coated metallic pipe at an access point such as valve or meter	04		Back Control	
17	DIGITAL VERNIER CALLIPERSPECIFICATION:  Measuring range: 0-150mm/0-6 inch.; Accuracy: +0.02 mm/0.001 in. (100 - 150 mm). Resolution: 0.01mm/0.0005 in Repeatability: 0.01mm/0.0005 in Maximum measurement speed: 1m/s; Power: 1 x 1.5V SR44 (silver oxide cell) battery. Ro-OU	04		Bach Bach	

	Bidding Documents	M&E	Cell, P&D D	eptt, Govt: o	of Sindh
,	STEEL DIAMETER GAUGEPLATE SPECIFICATION			1	
/	Item Type: Diamefer Gage				
13	Material: Stainless Steel			و ا	
K	STAINLESS STEEL WIRE WELDING GAUGE: Metal sheets welding	04	1	Each	Large Age
	thickness gauge is made of high quality stainless steel, sturdy and durable, an useful measuring tool for help you save time and material.		1 1 1		
	FIERCLIR / USCI 10577				L. A. chuirt.
	THERMOGRAPHY INFRA RED IRT	di di di			
			1		
A THE SA	Features & Specs No-/AFA NF-52			Variation in the	
	Temperature Testing	and the same of		A Section	Audi (Republica)
I	The measuring range is -10 ° C to 400 ° C Capturing an astonishing level of detail through high thermal sensitivity, isolating the smallest			1	
	temperature anomalies.	VALA	( + (P)		
	Resolution:				
	32x32 pixel resolution, 33° Field of View, capture a clear accurate	04		Each	
	image focused throughout the field of view IR Thermal imaging camera technics			<b>"</b> \	
	Use 2-megapixel white lens and 2.2 TFT LCD screen to visualize		namo estab	· · · \	
-	targets more flexibly			falget s	DERECTOR DE
-	Integrated Visual Display			July 1 Cart Cart	Visitle in a player of the
1	Combine Infrared and visible images for simpler analysis and edit and optimize image		140W	Sept.	
					American Land
	MULTI FUNCTION DIGITAL MOISTURE METER			1 11 11 11	
-	Digital Multi-function moisture meter use for measuring the moisture content			a law of sand	
-	of Soil, Cement, Sand, Plater, Concrete and Mortar etc.				The set of the second
1	Specification				Die State Communication
1	Display:4 digital LCD Measuring range:0-50% Operation condition:	01		Each	
	Temperature:0-60°C Humidity:5%-90%RH Resolusion:0.1 Accuracy: ± 2%n(Non- saturation condition) Power supply: 4x1.5 AAA size (UM-				412 A 4 A 4 A 4 A 4 A 4 A 4 A 4 A 4 A 4 A
	4)(not included) battery Dimensions: 140mm×60mm×22mm Needle:				
L	280mm Weight:210g	<b>K</b>			
		H			
	(/0,)				
					1. 41 1. 40 1. 1884 1. 1848
	[a/XV/	T			
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	(a) XVI				
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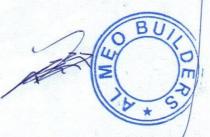
Page 23 of 48

OPTICAL MEASURING INSTRUMENT	M&E Ce	ll, P&D Deptt, Govt: of	Sindh
Features & specification			A
High precision engineering auto level			The second second
*Magnetically downed	270 m		
*Magnetically damped compensator that supports accurate instrument		7.44V	29 - 1
*High resolution telescope for quick and clear target sighting	*		
	7 17 4	A control of the second	
			Yan Yan
Magnification: 32 x	4 3 200 2 3 3 4 5		$\Lambda$
			$\mathbf{A}$
Image: Erect VTALLA X			
Objective Aperture: 45 mm			
Field of View: 1°20' Al M 23			
Resolution (JIS Standard) 2.5"			Fright His
Minimum Focus: 3 m (from the centre of the instrument)			
Focusing Know: 2 speed			
Stadia Ratio: 100		The second second	
Horizontal Circle (Diameter):	02	Fach	
103 mm			
Horizontal Circle: 1°	ilbe esistepa ed fac.		
Automotic C			
Automatic Compensator			
Accuracy: 0.3"			
Range: ± 15'			
Circular Bubble Sensitively: ≤ 8'/2 mm		1 - 1-1	
Signting Device: Collimator			
Standard Deviation: ± 0.7 mm	TANK BERNESE BERNESE		
(1km double run leveling)** ± 0.4 mm, Waterproof Grade: IPX6			
weight: 1./1 kg			
Accessories included	FIRA DESIGNATIONS		
Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench		inches Inches	
TO THE DESTRUCTION OF THE PARTY			
Concrete Test hammer ASTM, EN, DM, BS and NF Test standards Description & Specification			
Description & Specification			
Type 'N' range 10 to 70 N/mm2 (100 to 700 kgf)/cm2)	19 19 1	\	
Tipute Chargy U.223 Inko () 7(17 ioulan)		1	
miciaded certificate calibration by T A A T			
For noon-destructive strength testing of concrete and atmosphere			1
			1- 1
In operation, the hammer hits the concrete at a defined energy.			1
		the second second second second	
Through the use of the included conversion table	04	명	1
The rebound value can be conversion table		Eacl	
The rebound value can be converted to compressive strength			
The standard (Type N) hammers that display rebound values on a mechanical sliding scale.			1
For testing thin walled structural components with a thickness of less than 10 cm or rock cores			1
			1
Accessories included			\
1 x Test hammer, 1 x carbondum rubbing stone, 1 x Manual operation, 1			
x carrying bag PCTE -			









*	INTEGRATED REBAR DETECTOR	M	&E Cell, P&D I	Deptt, Govt:	of Sindh
	Integrated Rebar detector are mainly used for detecting the		1		
	the whole rebar, to provide test data with high precision and high speed; the and quick when carrying and first and the sensor coil, making it is convenient			Total Service	
	Specification Specification	- 55			
	Applicable range of Rebar (mm) φ6~φ50 Protective layer Small range:1~80				
23	Large range thickness range(mm):5~185  Power supply Built in high capacity lithium battery  Test range (mm)	02		Each	
	The first range: 1~90 the second range: 5~185		* Permission	\ <u> </u>	
	the second range: 5~185 Screen 320*240 Working hours ≥16h		i Propert Ajj		
	Size 219*92*106cm				
	Data transfer mode LISB\Windows				
	Operation Silicone keymed				B. Others of the control of the cont
	Storage 200K Measuring point of steel bar Display resolution 2.8-inch high-resolution color LCD screen (320×240 pixels)				
	Set shutdown time 5m, 10m, 15m, 20m, co	Harrista II.	Participant		
1	'CUT DIAMOND" Rosad Cutter fitted with 'Kipor" 15HP Air-cooled Diesel Engine complete with 20 inch cutting blade				
		01		Bach	Version of
-	PRESSURE WASHER		A P. S. BAYLANOLE		th Tanahar I
	PRESSURE WASHER				
	Engine Features:		ation E.A. we		
1	196cc Champion OHV Engine, 4 Stroke, Low oil shut off, single by linder, Recoil start, cast iron steel for durability				
1	Washer Specification				
1	Max Pressure: 2600 Psi	02		Each	
I	Flow Capacity: 2.2 gpm		- 1	E	
\ \frac{1}{V}	Pump: Axial Cam Wheel Size: 12" CHAMPION				
		example of the last	THE HEALTH RE		- N

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**Bidding Documents** M&E Cell, P&D Deptt, Govt: of Sindh LONGITUDE AND LATITUDE MEASURING DEVICE COMPLETE WITH APPROPRIATE ACCESSORIES TO COMPLETE THE JOB HEMISPHERE - GNSS Features Quad-Penta Band, GSM/GPRS/UMTS, GPS, Glonass, BeiDou, Galileo and SBAS, Novatel GNSS Technology & Q-Lock, all visible satellites are tracked with the highest possible sensitivity, IP68 dust & water proof, shock and vibration resistance, complete control with receiver keypad, quick swappable sim and micro sd cards, Internal GSM/GPRS Antenna, External power & radio port Specification Q-Lock Technology: Lowest noise & multiple Mitigation, Satellites (Max number tracked simultaneously: 60, Channels: 120, GPS Tracking: L1,L2, L2C, Glonass tracking: L1,L2, Beidou tracking: B1\*, Galileo tracking: E1\*, Positioning rate: 20Hz\* 5Hz SBAS: EGNOS, WAAS, MSAS, GAGAN Accuracy Static H/V (mm+ppm): 3+0.5/5+0.5 26 Static Long H/V (mm+ppm): 3+0.1/3.5+0.4 Kinematic H/V (mm+ppm): 02 8+1/15+1 Communication GSM/GPRS Module: Quad-Band GSM & Penta- Band; UMTS 800/850/900/1900/2100 MHz Internal Antenna Communication Port: USB, Serial & power Interfaces Keyboard: On/Off & Function keys LED Status & mode indicators: Positions, battery Bluetooth, RTK Receiver, RTK Transmit, Storage card, Rover base static, Data Recording: 8 GB removable micro SD Card GSM/TCP/IP: Removable sim card Power supply External power/internal battery: 10.5v to 28v/ removable 2.6 Ah: 7.4V Operating Time (Static/Rover): 9h/6h Protection class: IP68 Operating Temperature: -40 Deg. C TO +65 Deg. C Humidity: 100% condensing Complete with Base Station + Rover + Field Controller + Batteries + Charger + Antennas + Tribrach+ Tripod Stand + Fiber Pole



1	Bidding Documents	M&E	Cell, P	&D De	ptt, Govt	of Sindh	\
	DOPPLER FLOW TESTER	10 - 20 - 2 miles					\
			1				1
	Handheld portable Ultrasonic Doppler water flow meter Features & specification		1				1
			1				
	Measurement Accuracy: Flow ±1%, Heat ±2% Sensor Probe Measurement Range: DN15-100mm(TS-2)/DN50 700mm(TM-						
	1)/DN300-6000mm(TL-1)						
	Power supply mode: Rechargeable battery power supply (charger included)				e de la		
	Charging time: 8 hours		-	19	10 /	11776	36
	Use time: 12 hours or more			1	of Chy. No. 185		
	Working power supply: 90-230VAC (12 hours working after sufficient	NA SECURE ENTERED	and the	200			
	charge) including 2000mAh Ni-H Lithium battery	ACHERY LEGISLATION ACTUAL DATE OF THE		1			
	Accuracy level: indication value ±1%, flow rate greater than 0.2m/s	en unit e sufficient					
	Unit of Measure: Meter, Feet, Cubic Meter, Liter, Cubic Feet, US Gallon			resident follows			
	Applicable pipe: carbon steel, stainless steel, cast iron, copper, PVC,	02			Each		and parts
	aluminum, glass	ar alter of the apple	12502.78		直		
	steel, etc.						
	Liquid type: more than 30 kinds of pure liquids such as pure water and tap water				1, 15, 790		
	Data logging: built-in data logger, can store 32Mbit memory						
	Medium temperature: conventional -30-90°C, high temperature types up to -	8-			5		
	30-150°C	9 /	3 1		F - 19		
	Use humidity: 85% of the host PULSAR				kan ara	in pin ti	
	Housing Material: Flame Retardant ABS DFM 6.	nomina ja	45-40-12-14		Total Total		
	Host material: die-cast aluminum				1		
100	Accessories included						
	1 x TUF-2000H Ultrasonic Flow Meter, 3 x sensor (TS-2, TM-1,TL-1) 1 x						
	3M Steel tape, 1 x Oct Data Line, 1 x steel support chain, 1x 5m standard				1		
	sensor signal cable, 1x user manual, 1 x adapter		Firm				P. Park
	CONCRETE COMPRESSION TESTING MACHINE 'MATEST'		10 May 1		\		
-	'ITALY) MODEL C055 OR EQUIVALENT				\		
1-3			Ligação (Al		-1		
	Compression machine 2000 KN motorized with Digital Control Unit to	01			Each		
	test cubes upto 150 mm side and cylinders up to dia 160x320 mm		med til		面		
	TM1-CM 5000					$\mathbb{N}$	
	ULTRASONIC THICKNESS GUAGE 'SADT' MODEL SA40+						
	OR EQUIVALENT						
	Using new technique of multiple echo (echo-to-echo) it can measure wall						
	thickness under paint. For a normal ultrasonic thickness gauge, you must	i 1604 - Antonomy III					
	remove paint on work piece, but with new technology, it takes measurement		Man.				
	directly over the paint of work piece and you can get real thickness value of		7.00				
	work piece, it has two measuring modes: normal mode and multiple						
	echo(MEC) mode. By normal mode, it is a normal ultrasonic thickness gauge;						
	by MEC mode, it can measure over coatings.						New Control
	Specification Technique pulse calculated and a said dual push a contract of the contract of th						EHEZ SE
1	Technique: pulse echo with dual probe				SHOWN I		
1	Display: 4 digits LCD with backlight Measuring range: 0.7 to 300 0mm	LO VO					
1	Measuring range: 0.7 to300.0mm Resolution: 0.01mm 0.8-99.99mm, 0.1mm 100.0-300.0mm	02	garbigktig.	世典人	Each		
1	Velocity range: 500-9999m/sec.	27.7	The same of		<b>"</b>		
1	Display circle: 1 sec.						
	Coupling indication						
	Memory: 40 data can be stored and re-readable	To the tark			tirt pak		1 1
	Units: mm or inch					14 A. +	
1	Low battery indicator on LCD						
	Auto shut-off: after 5 min. of non-use						1
1	Power: 2 ea. 1.5V AA alkaline cells						\
	Operating temperature: 0-40°C				4 1 A		
1	Operating humidity: 20-90%RH						
1	Size: 124x67x30mm	1/					
1	Weight: 240g						-)
	Jones Janes	11/		11	OB	· Mi	
	la de la companya della companya della companya de la companya della companya del	HX -		1/4	7	Pa	ge 27 of 48
		11/	Ti	#		الحال	
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		and the same of th	//	6.5			

\*

	Bidding Documents	M&E	Cell, P&D D	eptt, Govt: of	Sindh
	OPTICAL MICROMETER TYPE OM5 FOR COMPLETEING				
	THE JOB OR EQUIVALENT ENGINE FEATURES				
	Optical micrometer is an optional accessory that mounts to the optical			1	CONTRACTOR ASSESSMENT
	automatic level for increased precision. For metric level rods or staffs.			. Australi fra cercere	
0 /	Perfect for high precision leveling, The Optical Micrometer mounts on the			4	rate son Anist
0/	automatic level telescope allowing for staff readings in increments of	02		Each	Little Calebra
/	0.1mm. Ideal for deformation studies or industrial measuring tasks, this	10100 4010 MI		al et 200 Mb. et 2	
	optical parallel plate micrometer also improves the accuracy of the auto		1	hard the first stage stage	\\\
	level from 0.7mm to 0.5mm per kilometer double run leveling. The OM5				
	enables surveyors and construction and Industrials professionals to				
	achieve the highest accuracy when using metric level rods or staffs.		1		1
	ON-SITE HANDHELD/ANDROID DATA COLLECTOR & RECORDER TYPE P8 I FOR COMPLETING THE JOB OR		1		and the second
	TOYING A TOYING				
	E-SURVEY P811				
	Rugged 5" Android handheld data collector and recorder that perform well in	340		Assessment	
	challenging environments such as			1	
	Forests, urban areas, land, plots for recording accurate measurements and	Mich		1	
	perform calculation on site or on field			11	
	Features			1 A areas	
	High performance CPU equipped with Octa-core 2.0 GHz processor and Android 9.0 System	FRANKSOFT	A Responsible reality		
	5" high capacitive screen with 1280x720 resolution			ANGLAND THE	ne in the
	With built-in 5200mAh lithium rechargeable and replaceable battery for full				
1000	day working		Talk and	++A	
	Dual Sim card with 4G Network	i Janeara		1 1	
1	All GNSS Constellation supported such as GPS, BDS, Galileo & Glonass	02			
	32GB Internal storage and supports SD Card expansion up to 128 GB With stylus pen to operate accurate even in rain mode.			I = I	
	IP67 Dustproof & waterproof			1	
Specific Control	System Specification	45 124		V \C	
	Processor: MT6762, OS: Android 9.0, RAM: 3GB, ROM: 32GB			1-25-13	
	Camera Specification			1 = 1	
	REAR: 13MP, Flash Light: Supported, Auto Focusing: Supported			100 P 100 P	
	Screen Specification		ti taka siya	Made an a	
	Screen size: 5", Resolution: 1280x720, Density: 320 dpi, Brightness: 400 nits, Touch panel: Capacitive, TFT, Touch: 10 touch points				
	GNSS Specification				$\Lambda$
	Channels: 72, Tracking: GPS, BDS, GLONASS, GALILEO, Accuracy:				
	Single 1-3m	lethic verse	la de la composición	De HI Ski	
9	Communication specification	The things	Garan dai		Amaria e
	GSM, Wifi, Bluetooth SD Card, USB MULTIPLE HANDHELD GAS MONITOR DETECTOR MODEL				
	K-400M OR EQUIVALENT	100			
	1 Power: 6x1 5V AA included PK-SKEI	MAC	The contract of the contract o		
	2. Frequency: 7.5 KHz	<b>KARTIN</b>	12.00		\
	2. Frequency: 7.5 KHz 3. Current Standby: 65mA Max: 150mA 4. Voltage: 7.2-9.6V	# - 4/V			
2	4. Voltage: 7.2-9.6V	04		Each	
	5. Operating Temperature: -20 to +60	at a said		Ä	
	6. Sensitivity: US 50 Cent: 200mm	Liver mig			
	7. Indication Model: LCD Mode				
	8. Stretch Length: 23-31 inches		Programme and		e garantar diploati. Bosoboas susceptivi
	9. Detector Diameter: 8.3 inches	NAME OF TAXABLE PARTY.		and the same and the same	

1	Bidding Documents	M&E	Cell, P&D D	eptt, Govt: o	fSindh
S. Harris	DOPPLER FLOW TESTER		1		1
	Handheld portable Ultrasonic Doppler water flow meter				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Features & specification				
2.5					
	Measurement Accuracy: Flow ±1%, Heat ±2%			Jackski data	
- 1	Sensor Probe Measurement Range: DN15-100mm(TS-2)/DN50 700mm(TM-1)/DN200 6000(TT-1)				
	1)/DN300-6000mm(TL-1)	BANK WA	SHEET CASE		
	Power supply mode: Rechargeable battery power supply (charger included)		1	100 A	2×6×2
	Charging time: 8 hours Use time: 12 hours or more	almost signing	Bakel Action	SO GRADINE TO THE	Brooker Because (1)
1	Working power supply: 90-230VAC (12 hours working after sufficient	Problement rune	dinastropens	a company section	
	charge) including 2000mAh Ni-H Lithium battery	Mahd Jaqay d	sast in Africa	a madang i	antinue di T
	Accuracy level: indication value ±1%, flow rate greater than 0.2m/s	Witnesso To d	nationic bit	Automobile I	
	Unit of Measure: Meter, Feet, Cubic Meter, Liter, Cubic Feet, US Gallon			Assessable 1	
	Applicable pipe: carbon steel, stainless steel, cast iron, copper, PVC,	PEL CHIP			Activities of the second
	aluminum, glass	02		Each	<b>第三世系之</b> 章 [
	steel, etc.	SHALL WAS	3430-1994-199		
	Liquid type: more than 30 kinds of pure liquids such as pure water and tap		(je)1200.51		
	water				
	Data logging: built-in data logger, can store 32Mbit memory		BERT HOS		
	Medium temperature: conventional -30-90°C, high temperature types up to -	000		N 18	1.00
	30-150°C	C Yall	344	1- 7	
	Use humidity: 85% of the host PULSAR	ección de designativo			APP IN A REPORT
			20 100	Annabation and	Christian Christian
	Housing Material: Flame Retardant ABS DFM 6.		4.49.36Ex.36.2	1	Mary American
	Host material: die-cast aluminum		10000-0119		Property 1
	Accessories included	and the second			
	1 x TUF-2000H Ultrasonic Flow Meter, 3 x sensor (TS-2, TM-1,TL-1) 1 x				
	3M Steel tape, 1 x Oct Data Line, 1 x steel support chain, 1x 5m standard			1 / 26/3/8/3	
	sensor signal cable, 1x user manual, 1 x adapter				
	CONCRETE COMPRESSION TESTING MACHINE 'MATEST'				
	'ITALY) MODEL C055 OR EQUIVALENT		71.76		
		har ji dayê ne salî	Allegade Report apprecia	1 - 1	
	Compression machine 2000 KN motorized with Digital Control Unit to	01		Each	
	test cubes upto 150 mm side and cylinders up to dia 160x320 mm			二 二二	
				1	
	TM1-CM 5000				
-	ULTRASONIC THICKNESS GUAGE 'SADT' MODEL SA40+		200248748	1500150000	
	OR EQUIVALENT				$\Lambda$
	THE PERSON NAMED OF THE PE	lara ma	Hamman A	all political (s)	
1	Using new technique of multiple echo (echo-to-echo) it can measure wall thickness under paint. For a normal ultrasonic thickness gauge, you must				
1	remove paint on work piece, but with new technology, it takes measurement				
	directly over the paint of work piece and you can get real thickness value of				
	work piece, it has two measuring modes: normal mode and multiple	ing you stanka	ty District Color		
	echo(MEC) mode. By normal mode, it is a normal ultrasonic thickness gauge;				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	by MEC mode, it can measure over coatings.			Commence of the last	
	Specification		ile. Viete a Laura		
1					
-	Distance & distant CD sold baselilists				
1	Measuring range: 0.7 to300.0mm  Resolution: 0.01mm 0.8-99.99mm, 0.1mm 100.0-300.0mm	AP NO		- 5	-1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N   1 N
1	Resolution: 0.01mm 0.8-99.99mm, 0.1mm 100.0-300.0mm	02		Each	
1	Velocity range: 500-9999m/sec.				
1	Display circle: 1 sec.				
1	Coupling indication			1	
1	Memory: 40 data can be stored and re-readable				
1	Units: mm or inch				
-	Low battery indicator on LCD	*			
-	Auto shut-off: after 5 min, of non-use				
1	Power: 2 ea. 1.5V AA alkaline cells			THE PERSON	
1	Operating temperature: 0-40°C				
1	Operating humidity: 20-90%RH				\
Y	Size: 124x67x30mm	./			
1	Weight: 240g				<u> </u>
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	0 %	F/A	1860		
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Bidding Documents			1
DUAL BORE INSPECTION CAMERA FOR BORE/WELL	M&E Cell,	P&D Deptt, Govt: of Sindh	\
WITH 300 METER CABLE TYPE V10-BSC FOR COMPLETING THE JOB OR EQUIVALENT	1		
Main Features			
Dual waterproof camera for deep well inspection			
Dia 63mm x L570mm stainless steel 700TVL Camera IP68 Waterproof up to 50Bar			
100m-500m twist wires cable with electric winch			
HD DRV Control Box with Audio/Video recording function			
Built-in 128G Solid state drives to storage video/audio files Builtin Compass and temperature sensor	•	\	
Dual Camera			
Ø 63mm L570mm stainless steel casing Waterproof IP68 operating depth 50 bars (725 PSI)			
Dual camera down & side viewing			
Pan 360° rotate endless View angle 120°			
Sensor resolution PAL 720Hx576V NTSC 720Hx480V	Constitution of the state of		
Horizon resolution 700 TVL 6 pcs high light LED (Down View)			
6 pcs high light LED (Side View)	02	Back A	
Camera weight: 6 Kg Electric Winch SHEN SHEN			
Winding speed : 0-20m/min			
Cable Speed: Adjustable Ø10mm Twisted pair cable (300M)			
Power supply: 230V		The second section of the second section is a second section of the second section of the second section is a second section of the second section sec	A manifest word
On screen depth encoder Electric cable rolling			
Control Unit			
Monitor 10" Industrial color monitor			
Display mode: 4:3			
Resolution: 1024*768 Control Panel			
Video input option: Borehole Camera or Pan & Tilt Camera			
Winch operating knob: (adjustable speed, cable up & down brake)			\
Camera Rotation control button (Clockwise & counter clockwise) Down & side camera select button & LED brightness control button.			
HD DVR Audio/Video recording and playback			
Video storage Medium: Builtin 128GB SSD or USB Device On Screen depth encoder temperature & direction.			
333333	Inefoliation	Calibration and	
	THEIRNAUOD,	Service Charge	
		Total Amount	
	G	ST (If applicable)	
4///		Grand Total	
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		Stamp & Sign	ature
		A seemals on MICII	
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		+ 50	

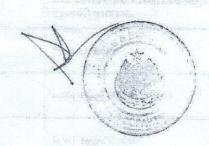
Part-V

### SCHEDULE OF REQUIREMENTS

The delivery schedule is hereafter expressed the date of delivery required along with location is as under:

Sr	Items /Qty	Time of Delivery from date of Award	Location of Supply	Phone No. & Email
1	As specified in Part – IV of this bidding documents	within three (03)	Assistant Director (A&A)(MEC) Monitoring & Evaluation Cell (MEC),	Phone No. 021-99211927 / 99211403
		months after contract signing	P&D Department, Room No. 419-E, 3rd Floor, Tughlaque House Sindh Secretariat No. 2, Karachi	Email: ddo.mecpdd@gmail.com





Tender Fee: Rs. 3000/-. (Non-Refundable)



#### **TENDER FORM**

TENDER NO. AD(A&A)/52(MEC)/P&D/2023/\_\_\_\_\_ "Procurement of Monitoring Equipment"

> Monitoring & Evaluation Cell, Planning & Development Department, Government of Sindh

Room No. 419-E, 3rd Floor, Tughlaque House, Sindh Secretariat No. 2, Karachi Phone: 021-99211927 / 99211403 Email: ddo.mecpdd@gmail.com



### LIST OF CONTENTS

Part-I	NOTICE INVITING TENDERS
Part-II	INSTRUCTIONS TO BIDDERS
Part-III	BID DATA SHEET
Part-IV	TECHINICAL SPECIFICATIONS AND BILL OF QUANTITIES
Part-V	SCHEDULE OF REQUIREMENT
Part-VI	SAMPLE FORMS
Form-I	LETTER OF ACCEPTANCE
Form-II	RELEVANT EXPERIENCE
Form-III	PRICE SCHEDULE IN PAK RUPEES
Form-IV	BID FORM AND PRICE SCHEDULE
Form-V	CONTRACT FORM
Form-VI	GENERAL CONDITIONS OF CONTRACT
Form-VII	SPECIAL CONDITIONS OF CONTRACT
Form-VIII	BID SECURITY FORM
Form-IX	PERFORMANCE SECURITY FORM
Form-X	INTEGRITY PACT



#### PART-I

#### GOVERNMENT OF SINDH PLANNING & DEVELOPMENT DEPARTMENT (MONITORING & EVALUATION CELL)

# **NOTICE INVITING TENDER**

The Monitoring & Evaluation Cell (MEC) in Planning & Development Department, Government of Sindh deals with the monitoring of development portfolio in Sindh. Now, it desires to improve its existing Monitoring & evaluation system. In this connection, it has received a fund allocation from the cost of ADP 2022-23 schemes No. 2632 titled as "Strengthening & Capacity Building of Regional Offices of M & E Cell at Hyderabad & Sukkur". It is intended that part of the proceeds of this allocated fund will be applied to eligible payments.

The Monitoring & Evaluation Cell (MEC), P & D Government of Sindh invites sealed bids on Single Stage Two Envelope Procedure Rule No. 46 (2) SPPRA Rules 2010 (Amended up to date) from manufacturers / firms / companies / distributors / suppliers for the following work on offer rate basis:

			202			
Name of Work	Issue From	Sale To	Submission	Opening	Tender Fees Rs.	Bid Security
"Procurement of Monitoring Equipment"	11/05/2023 (During	25/05/2023 (During	26/05/2023	26/05/2023	Rs.	2% of the
AD(A&A)/52(MEC)/P&D /2023/	working hours)	working hours)	Up to 3:00 pm	Up to 3:30 pm	3000/-	total bid amount

Address / Venue of Tender for Issuance / Submission & Opening of Bid

Assistant Director (A&A) (MEC), Monitoring & Evaluation Cell, P & D Department, Room No. 419-E, Tughlaque House, Sindh Secretariat No. 2, Karachi, Phone No. 021-99211927 / 99211403. (Email: ddo.mecpdd@gmail.com)

#### **Eligibility Criteria:**

01	The bidder must have at least five (05) years of experience in similar nature of work /relevant field.
02	Bidder should be Active Tax Payer and provide Income Tax Number Certificate (NTN) & GST Registration Certificate with FBR Valid Professional Tax Certificate & Registration with (SRB) Sindh Revenue Board for Sales Tax, SECP (Attach relevant documents) (if applicable)
03	The details of turn-over (in terms of Rupees) of at least last three years that average turn of last three years should not be less than Rs. 100 million per year in terms of financial statement or bank statement.
04	Affidavit that firm is not Blacklisted and involved in any active litigation in Pakistan.
05	ISO 9001 certification
06	<b>Note</b> : Bidder should quote for all items mentioned in Part-IV BOQ. In case of incomplete quoting, bid will not be considered for further evaluation.



#### Instruction:

- O1 The intending participants can submit their applications on their letter head in the office of undersigned for issuance of bidding documents with Tender Fee in shape of Pay Order should be drawn in favour of DDO "Strengthening & Capacity Building of Regional Offices of M & E Cell at Hyderabad & Sukkur".
- 02 Bidders are requested to give their Best & Final prices as "no negotiations" are permitted.
- 03 Bidding documents are available from the websites of Monitoring & Evaluation Cell (www.mecsindh.gov.pk) & SPPRA (www.pprasindh.gov.pk)
- 04 In case of undesirable circumstances on submission / opening date & time or if Government declares holiday the tender shall be submitted / opened on the next working day at the same time & venue.
- 05 M&E Cell P&D Deptt reserves the right to cancel the bidding process subject to the relevant provision of SPP Rules 2010 (Amended up to date).

Procurement Specialist (MEC)
Monitoring & Evaluation Cell, P & D Department

Room No. 419 E, 3<sup>rd</sup> Floor, Tughlaque House, Sindh Secretariat No. 2, Karachi Karachi Phone No. 021<u>-992</u>11927 / 99211403

#### PART-II

### INSTRUCTION TO BIDDERS

#### Source of Funds

"Strengthening & Capacity Building of Regional Offices of M&E Cell at Hyderabad & Sukkur" (ADP No. 2632)". The eligible payment under the contract is to be made from this approved project.

#### ii

Eligible Bidders This Invitation for Bids is open to all suppliers from eligible sourceas defined in the SPP Rules, 2010 (Amended up to date) and its Bidding Documents except as provided hereinafter.

> Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Procuring agency to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased underthis Invitation for Bids.

> Government-owned enterprises in the Province of Sindh may participate only if they are legally and financially autonomous, ifthey operate under commercial law, and if they are not a dependent agency of the Government of Sindh.

> Bidders shall not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by the any government organization.

#### iii Eligible Goods and Services

The origin of all the goods & related services to be supplied under the Contract should be mentioned.

Origin means the place where the goods are mint, grown or produce or the place from which the related services are supplied.

The Origin of goods and services is distinct from the nationality of bidders.

### Cost of Bidding

The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring agency named in the Bid Data Sheet, hereinafter referred to as "the Procuring agency," will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.



#### v Content of Bidding Documents

#### **B.** The Bidding Documents

The bidding documents include:

- (a) Invitation for Bids
- (b) Instructions to Bidders (ITB)
- (c) Bid Data Sheet
- (d) General Conditions of Contract (GCC)
- (e) Special Conditions of Contract (SCC)
- (f) Schedule of Requirements
- (g) Technical Specifications.
- (h) Bid Form and Price Schedules
- (i) Bid Security Form
- (i) Contract Form
- (k)Performance Security Form
- (1) Manufacturer's Authorization Form
- (m)Integrity Pact

The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents orto submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.

#### vi Clarification of Bidding Documents

A interested Bidder requiring any clarification of the bidding documents may notify the Procuring agency in writing. The Procuring agency will respond in writing to any request for clarification of the bidding documents which it receives no later than three working days prior to the deadline for the submission of bids prescribed in the Bid Data Sheet. Written copies of the Procuring agency's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all interested bidders that have received the bidding documents.

# vii Amendment of Bidding Documents

At any time prior to the deadline for submission of bids, the Procuring agency, for any reason, whether at its own initiative or in response to a clarification requested by a interested Bidder, may modify the bidding documents by amendment.

All interested bidders that have received the bidding documents will be notified of the amendment in writing, and will be binding on them.

In order to allow interested bidders reasonable time in which to take the amendment into account in preparing their bids, the Procuring agency, at its discretion, may extend the deadline for the submission of bids.



#### C. Preparation of Bids

- 1. Scope
- 1.1 The Monitoring & Evaluation Cell, Planning & Development Department, Government of Sindh, Karachi intends the subject procurement through National Competitive Bidding Single Stage Two Envelope Procedure 46 (2) of SPPRA Rules-2010 (Amended up to date).
- 2. Language of Bid
- 2.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder andthe Procuring agency shall be written in the English language.
- 3. Documents Comprising the Bid
- 3.1 The bid prepared by the Bidder shall comprise the following components:
  - a) Price Schedule completed in accordance with ITB Clauses 4, 5 and 6.
  - b) bid security furnished in accordance with ITB Clause-9.
- 4. Bid Prices
- 4.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.
  - 4.2 The prices shall be quoted on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location specified in the schedule of Requirements. No separate payment shall be made of the incidental services.
  - 4.3 Prices quoted by the by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet.
  - 4.4 Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet.
- 5. Bid Form
- 5.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.
- 6. Bid Currencies
- 6.1 Prices Shall be quoted in Pak Rupees.
- 7. Bidder's Eligibility
- 7.1 As defined in Bid Data Sheet.



- 8. Documents
  Establishing
  Goods'
  Eligibility
  and
  Conformity
  to Bidding
  Documents
- 8.1 The documents evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and Data, and shall consist of:
  - (a) a detailed description of the essential technical and performance characteristics of the goods;
  - (b) the Bidder shall note that standards for workmanship, material ,and equipment, as well as references to brand names or catalogue numbers designated by the Procuring agency in its Technical Specification are intended to be descriptive only and not restrictive :till stated otherwise in Technical Specifications or Bid Data Sheet .The Bidder may substitute alternative standards, brand names , and /or catalogue numbers in its bid, provided that demonstrates to the Procuring agency's satisfaction thatthe substitutions ensure substantial equivalence to those designated in the in the Technical Specifications
- 9. Bid Security
- 9.1 The bid security is required (in the amount specified in the biddata sheet) to protect the Procuring agency against the risk of Bidder's conduct, which would warrant the security's forfeiture The bid security shall be denominated in the currency of the bid:
  - a) at the Bidder's option, be in the form of either demand draft/call deposit or an unconditional bank guarantee from a reputable Bank:
  - b) be submitted in its original form: copies will not be accepted;
  - c) remain valid for a period of at least 14 days beyond the original validity period of bids, or at least 14 days beyond any extended period of bid validity.
- 9.2 bid security shall be released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.
- 9.3 The successful Bidder's bid security shall be discharged upon the Bidder signing the contract, and furnishing the performance security.
- 9.4 The bid security may be forfeited:
  - a) if a Bidder withdraws its bid during the period of bid validity or
  - b) in the case of a successful Bidder, if the bidder fails:
    - (i) to sign the contract in accordance or
    - (ii) to furnish performance security



#### 10. Period of Validity of Bids

- 10.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid opening prescribed by the Procuring agency. A bid valid for a shorter period shall be rejected by the Procuring agency as non responsive.
- 10.2 In exceptional circumstances, the Procuring agency may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security shall also be suitable extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required not be required nor per mitted to modify its bid.

#### 11. Format and Signing of Bid

- 11.1 The Bidder shall prepare an original bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" as appropriate. In the event of any discrepancy between them, the original shall govern.
- 11.2 The original bid shall be shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract.
- 11.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

#### D. Submission of Bids

#### 12. Sealing and Marking of Bids

12.1 The Bidder shall seal the original bid in envelope, duly marking the envelope as "ORIGINAL BID". The envelope shall then be sealed in an outer envelope. The inner and outer envelopes shall be addressed to the Procuring agency at the address given in the BDS, and carry statement "DO NOT OPEN BEFORE"

DATE at Time "

- 12.2 If the outer envelope is not sealed and marked as required, the Procuring agency shall assume no responsibility for the bid's misplacement or premature opening.
- 13. Deadline for Submission of Bids
- 13.1 Bids must be received by the Procuring agency at the address specified in Bid Data Sheet, not later than the time and date specified in Bid Data Sheet.
- 13.2 The Procuring agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents, in such case all rights and obligations of the Procuring agencyand bidders previously subject to the deadline will thereafter be subject to the deadline.



#### 14. Late Bids

14.1 Any bid received by the Procuring agency after the deadline for submission of bids prescribes by the Procuring agency shall be rejected and returned unopened to the Bidder.

# 15. Modification and Withdrawal of Bids

- 15.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Procuring agency prior to the deadline prescribed forsubmission of bids.
- 15.2 No bid may be modified after the deadline for submission of bids.
- 15.3 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiry of the period of bid validity withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security.

#### E. Opening and Evaluation of Bids

# 16. Opening of Bids by the Procuring agency

16.1 The Procuring agency will open all bids in the presence of bidder's representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register/attendance sheet evidencing their attendance.

The bidders' names, bid modifications or withdrawals, bid prices,

- 16.2 discounts, and the presences or absence of requisite bid security and such other details as the Procuring agency, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 14.
  - Bids (and modifications sent pursuant to ITB Clause 15.2) that are not
- 16.3 opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn bids will be returned unopened to the bidders.

The Procuring agency will prepare minutes of the bid opening.

# 17. Clarification of Bids

16.4

17.1 During evaluation of the bids, the Procuring agency may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

# 18. Preliminary Examination

18.1 The Procuring agency shall examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.



18.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.

- 18.3 Prior to the detailed evaluation, the Procuring agency will determine the substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Procuring agency's determination of a bid's responsiveness is to be based on the contents of the bid itself.
- 18.4 If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.
- 19. Evaluation and Comparison of Bids
- 19.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive.
- 19.2 The Procuring agency's evaluation of a bid will be on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location and shall exclude any allowance for price adjustment during the period of execution of the contract.
- 20. Contacting the procuring agency
- 20.1 No Bidder shall contact the procuring agency on any matter relating to its bid, from the time of bid opening to the time the announcement of Bid Evaluation Report. If the Bidder wishes to bring additional information to the notice of the procuring agency, it should do so in writing.
- 20.2 Any effort by a Bidder to influence the Procuring agency in its decision on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.



#### F. Award of contract

#### 21. Post – Qualification

- 21.1 In the absence of prequalification, the procuring agency may determine to its satisfaction whether that selected Bidder having submitted the lowest evaluation responsive bid is qualified to perform the contract satisfactorily.
- 21.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Claus-7 as well as such other information as the Procuring agency deems necessary and appropriate.
- 21.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Procuring agency will proceed to the next lowest evaluated bid to perform satisfactorily.

#### 22. Award Criteria

- 22.1 The Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.
- 22 a Procuring
  Agency's
  right to vary
  quantities at
  the time of
  award
- The Procuring Agency reserves the right to increase/decrease the quantity of the required items and /or purchase part items already tendered either in full or in part. The Procuring Agency reserves the right to accept or reject any or all of the Tenders; dividebusiness amongst more than one bidder.
- 23. Procuring agency's Right to Accept any Bid and to Reject any or All Bids
- 23.1 Subject to relevant provisions of SPP Rules 2010 (Amended up to date), the Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award.
- 23.2 Pursuant to Rule 45 of SPP Rules 2010 (Amended up to date), Procuring agency shall hoist the evaluation report on the web site of Authority and that of procuring agency if its website exists, and intimate to all the bidders at least 03 working days prior to award of contract.



## 24. Notification of Award

- 24.1 Prior to the expiration of the period of bid validity, the Procuring agency shall notify the successful Bidder in writing, that its bid has been accepted.
- 24.2 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 26, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge its bid security.

# 25. Signing of Contract

- 25.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.
- 25.2 Within thirty (30) days or any other period specified in BDS, of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.

# 26. Performanc e Security

- Within twenty (20) days or any other period specified in BDS, of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.
- 26.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 25 or ITB Clause 26.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.

# 27. Corrupt or Fraudulen t Practices

- 27.1 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009and Rules made there under:
  - (a) "Corrupt and Fraudulent Practices" means either one or any combination of the practices given below;
    - (i) "Coercive Practice" means any impairing or harming, or threatening to impair or harm, directly or indirectly, any



party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;

- (ii) "Collusive Practice" means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
- (iii) "Corrupt Practice" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
- (iv) "Fraudulent Practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

b) "Obstructive Practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.



## Part-III

## [Bid Data Sheet]

The following specific data for the subject procurement to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB) Part One. Whenever there is a conflict, the provisions herein shall prevail over those in ITB

120000000000000000000000000000000000000	1.22	Introduction		
ITB 1.1	Name of Procuring Agency: Monitoring & Evaluation Cell (MEC), Planning & Development Department, Government of Sindh, Room No. 419-E, 3rd Floor, Tughlaque House, Sindh Secretariat No. 2, Karachi . Phone No. 021-99211927 / 99211403			
ITB 1.1	Name of MEC Project: "Strengthening & Capacity Building of Regional Offices of M&E Cell at Hyderabad & Sukkur" (ADP 2022-23 No. 2632)".			
ITB 1.1		ame of Contract: "Procurement of Monitoring Equipment"		
		Bid Price and Currency		
ITB 4	Pri	ces quoted by the Bidder shall be "fixed" and in" Pak Rupees"		
		Preparation and Submission of Bids		
ITB 7	Ma	ndatory Selection / Eligibility / Responsiveness criteria		
	1	The bidder must have at least five (05) years of experience in similar nature of work / relevant field.		
	2	Bidder should be Active Tax Payer and provide Income Tax Number Certificate (NTN), GST Registration certificate with FBR, Valid Professional Tax Certificate & Registration with SRB, (Attach relevant documents)		
	3	The details of turn-over (in terms of Rupees) of at least last three years that average turn of last three years should not be less than Rs. 100 million per year in terms of financial statement or bank statement		
	4	Affidavit that firm is not Blacklisted and involved in any active litigation in Pakistan.		
	5	SECP Incorporation certificate (if applicable)		
	6	ISO 9001 certification		
	7	Note: Bidder should quote for all items mentioned in Part-IV BOQ. In case of incomplete quoting, bidwill not be considered for further evaluation.		
ITB 9	Amount of Bid Security: 2 % amount of Bid Value in the shape of Pay order or Bank Guarantee in favour of DDO"Strengthening & Capacity Building of Regional Offices of M&E Cell at Hyderabad & Sukkur"			
ITB 10	Bid	validity period: 90 days		
ITB 12	Sul	omission of Bids:		
	i) A Single Stage-Two-Envelope Procedure Rule No. 46 (2) SPPRA Rules 2010 (Amended up to date) shall be adopted for submission of bids.			
	ii) The Bid security in required shape & amount should be enclosed in a clearly marked financial bid envelope.			
	iii) Tender Name & No should be written on the envelope.			
ITB 13 & 16	The state of the s			
	ii. F	inancial Proposal will be opened for technically qualified bidder in due course of time.		

ITB 19.1 Bid Evaluation & Comparison Criteria: Most Advantageous Bid.



#### **Bidding Documents**

TB 25.2	Within three (03) days of receipt of the Contract Form, the successful Bidder shall sign and date the contract Agreement and return it to the Procuring agency.
ITB 26.1	Successful bidder to submit performance security at the rate 05% of total contract amount in form of Deposit at Call or Pay Order or a Bank Guarantee from any scheduled bank in Pakistan drawn in favor of DDO "Strengthening & Capacity Building of Regional Offices of M&E Cell at Hyderabad & Sukkur". on the day of contract signing. No Insurance Guarantee will be accepted.

#### Other Terms & Conditions:

- i. Bidder should quote price only in PKR with all corrected applicable taxes and duties
- ii. Bid should be accompanied with Client List
- iii. Bid should strictly compliant with technical specifications; no optional/ alternative item will be accepted
- iv. Bidders are advised that before filling the bidding documents all pages of bidding documents should carefully be rechecked. If any page(s) / paper(s) of bidding documents are missing that can be downloaded from the official website of this department and SPPRA, and also can be obtained from the office of the Assistant Director (A&A) (MEC), P&D Department, Govt of Sindh, Room No. 419-E, 3rd Floor, Tughlaque House, Sindh Secretariat No. 2, Karachi. Phone No. 021-99211927 / 99211403. Incomplete, tender shall be rejected.
- During filling of tender bidders should ensure to provide proper office address, working timings, valid telephone contact numbers and e-mail IDs for effective communication.
- All Bidding documents must be signed, named & stamped by authorized person of the Manufacturer/Firms /Companies/Distributors/Suppliers along withauthorized letter.
- Incomplete, conditional and tender without required bid security in the specified form/format as specified in the bidding documents, shall be rejected. Each page of bidding document should be signed and stamped
- viii. Contract Agreement and Integrity Pact both are mandatory for all bidder.
- ix. The bidder shall bear all costs associated with the preparation and submission of his bid and MEC will in no case be responsible or liable for those costs, regardless of the outcome of the bidding process.
- x. Any attempt by a Bidder to influence MEC in the examination, evaluation, comparison, and post-qualification of the bids or Contract award decisions will result in the rejection of its bids.
- xi. The Manufacturer/Firms/Companies/Distributors/Suppliers should indicate the support capabilities for all the hardware provided during the course of the warranty.
- This tender and any contract executed under this tender shall be governed by and construed in accordance with the laws of Pakistan. The MEC and all Manufacturer/firms/companies /distributors/suppliers responding to this tender and parties to any contract executed pursuant to this tender shall submit to the exclusive jurisdiction of the Pakistani courts. The arbitration proceeding will be governed by the Arbitration Act, 1940, and the substantive and procedural law of Pakistan. The venue shall be Karachi.



## PART-IV

# TECHNICAL SPECIFICATIONS AND BILL OF QUANTITIES FOR THE WORK



	MONITORING EQUIPMENTS				
Sr#	ITEM DESCRIPTION	QTY	RATE	UNIT	AMOUNT
Hink	DRONES			APPEN	
1	Main features of the Product 1" 20MP CMOS Sensor Gimbal-Stabilized 4K 60/20MP Imaging Flight Autonomy with Redundant Sensors Four Directions of Obstacle Avoidance Top Speed of 44 mph in Sport Mode Maximum Control Range of 4.3 Miles Visual Tracking of Moving Subject Up to 30 Minutes Flying Time Remote Controller with 1080p Display	04		Each	
	WIRELESS CRACK WIDTH GUAGE				
2	Features & Specs  Wireless crack width gauge is used to measure the width of cracks such as bridges, tunnels, towers, buildings, concrete components, pavement, metal components and so on. The Wireless crack width gauge uses modern electronic imaging technology to image the original structure on the tablet computer and automatically read out the real and reliable crack width data through high precision scale on screen				
	Host parameters: Android system tablet Test scope: 0~10 mm Measurement accuracy: 0.01mm Estimable accuracy: 0.01mm Magnification: Digital 60 times Width Detection: stand by Storage capacity: 32G(expandable) Data transmission mode: Wireless cloud transmission(optional) Probe powder supply mode: Built-in rechargeable lithium battery Operational mode: Touch screen +shortcut Connection mode: Wifi Interpretation method: Automatic interpretation/ manual interpretation	04		Each	
	ULTRASONIC PULSE VELOCITY METER				
3	Technical Parameters  Measuring range: 0 - 3000 μs - accuracy +/- 0,1 μs  Selection of the ultrasonic pulse amplitude adjustable from 250 to 1000V  Single or continuous acquisition mode with automatic or manual saving.  Zero calibration with depuration of the time for the pulse to go through the probes.  Capacity of data acquisition, processing and filing of the test data up to 30.000 samples.	08		Each	
	Interface mini USB for PC connection. The standard appliance includes: The instrument in basic configuration in a practical palmer container. Two 55kHz probes with connection cables. Calibrating cylinder and contact paste. Battery rechargeable pack NiMh 4,8V > 2000m/A with low battery condition alarm. Anti-shock case holding the unit and the accessories. External feeder 230V and battery charger 12V 500m/A. Case dimensions: 400x340x110 mm	S D CELL		щ	

	Biddin	g Docur	nents
PO	RTABL	E ULT	RAS

	Bidding Documents	Mae Cell,	P&D Deptt, Govt: of Sindh
	PORTABLE ULTRASONIC THICKNESS GAUGE		
4	Measuring ranges from 0.039 to 8.85 in/1 to 225mm, Resolution: 0.01mm, you can get accurate (±0.5%H+0.05mm) readings in inch or mm in 0.5 seconds. Sound velocity from 1000 to 9999m/s Multi-Functional: 2.4" HD color screen display with backlit & 5 selectable color display, storage up to 500 data, statistic view, calibration, auto-off, and restores factory settings function. Versatile Uses: Widely used for measuring Metal and Nonmetal materials, Steel, Aluminum, Copper, Brass, Zinc, Plastic, PVC, Glass, Ceramics, Pipes and any other good ultrasonic wave conductor as long as it has parallel top and bottom surfaces. What You Get: 1x Digital ultrasonic thickness gauge, 1x Probe 5MHz, Built-in metal calibration block, 1x USB Cable, 3x Rechargeable Battery, 1x Operation Manual, and 12 months warranty, and a friendly 24/7 professional customer service team.	04	Each
5	PORTABLE ULTRA SONIC COATING THICKNESS GAUGE  1. Measuring range: 0 ~ 1500um/0~59mils, Accuracy: ±(3%H+1µm), 2. Resolution of 0.1 mils 3. Aluminum Calibration plates, Plastic shim test set, carrying case.	08	Each
6	PORTABLE HANDHELD METAL LOCATOR  1. Power:6 x 1.5V AA included 2. Frequency:7.5 KHz 3. Current: Standby: 65mA Max: 150mA 4. Voltage:7.2-9.6V 5. Operating Temperature: -20 to +60 6. Sensitivity: US 50 Cent: 200mm 7. Indication Mode: LCD Mode 8. Stretch Length:23-31 inches 9. Detector Diameter:8.3 inc	04	Each
7	CONCRETE COVERMETER Rebar location Rebar orientation Depth of cover Cover reading thickness mm or inches Large graphic display with backlight Multiple language menu structure Signal strength bar Interchangeable heads with led and keypad User selectable bar range sizes and numbers Auto size mode for quick bar diameter determination Orthogonal mode for bar diameter determination Other models of search head available on order for Narrow pitch search, Deep cover search, Borehole. See accessories. RS 232 output to PC EDTS MS EXCEL link software Data logging Adjustable beep volume & carphone socket	06	Each



Bidding Documents	M&E Cell, P&D Deptt, Govt: of Sindi
ridding Documents	

	Bidding Documents	Mac cen, rab b	
8	LASER MEASURING & MARKING EQUIPMENT LASER LEVEL  The laser level has one horizontal 360 Degree and two vertical laser lines in a 90 Degree angle, plus one plumb down point, for the most useful laser configurations in one tool  Up to 4x better visibility: With green laser technology, the line level delivers up to 4x better visibility than laser levels with red laser lines Easy-to-use: A sliding on/off switch and two-button keypad enables one-handed control of the green laser level Precise results: For highly accurate measuring, the line level delivers precise results within ± 0.4 mm/m (lines) and ±/- 1.0 mm/m (plumb point)  Self-levelling: The laser level can self-level up to ± 4	04	Bach
	LASER DISTANCE METER		
9	Laser Measure includes multiple measurement capabilities such as area, distance, length, volume, continuous measurement, addition and subtraction. Measuring distance extends up to 135 feet  MEMORY: Conveniently stores up to 10 measurements to increase productivity. Real time laser measurements adjust as the user moves closer and farther away, just like a tape measure	04	Each
	VISIBILITY: Laser Measure features a backlit screen for better visibility and resolution in dark work areas  ACCURACY: measures to within +/ 1/16 in. for extreme accuracy and precision		
	THERMOMETER FOR ASPHALT, BITUMEN & CONCRETE BITUMEN THERMOMETER WITH ACCESSORY	06	
10	Measurement Instruments Certification: Ansi Standard K-type Power Source: Battery Powered Number of Batteries: 1 9V batteries required. (included) Item Length 11 inches Maximum Storage Temperature 140 Degrees Fahrenheit Minimum Storage Temperature 20 Degrees Fahrenheit Upper Temperature Rating: 1999 Degrees Fahrenheit Response Time 0.5 seconds Resolution 3 1/2 digit Immersion Depth 8 Inches Item Weight 1.28 pounds Product Dimensions 11 x 7 x 1 inches Material Stainless Steel		Each
	Measurement System Fahrenheit and Cclsius  OPTIONAL ACCESSORY "K-TYPE Thermocouple with Wire & Handle for above Bitumen Thermometer k-Type Thermocouple Probe with Wire & Handle.	06	



ja .	Bidding Documents	M&E Cell, P	&D Deptt, Govt: of Sindh
	Portable Water Quality Analyzer PH/MV Electronic Data Logger with Printer/phMeter		
11	Specification  Measuring Range: 0 to 14pH-1999 to 2000mV  Accuracy: ±(0.01pH +1 dgt.)±(2mV +1 dgt.)  Resolution: 0.01pH - 0.1/1mV  Temperature  Measuring Range: 32 to 230°F (0 to 110°C)  Accuracy: ±0.4°F (0.2°C) +1 dgt.  Resolution: 0.1°F (0.1°C)  Auto Shut-off  Low Battery Indicator	04	Each
	High Quality Portable Pocket Type 5 in 1 Meter		
12	TDS/EC/PH/Salinity/Temperature Meter  This 4-in-1 meter measures Conductivity, Total dissolved Solids (TDS), Salinity & Temperature	04	Each
	ELECTONIC TACHOMETER TYPE ZTS-420 L8 COMPLETE WITH APPROPRIATE ACCESSORIES FOR COMPLETING THE JOB OR EQUIVALENT		
13	Main features Measurement Method: Absolute encoding Minimum readout: 1"/5"/10" Accuracy: 2" Reflectorless Range: 800M With single prism: 7500M Measuring Time: 1.5 Second Measuring Time: 1.5 Second Magnification: 30X Field of view: 1°30' (2.7m at 100m) Minimum focusing distance: 1.5M Reticle: illuminated Interface: Bluetooth/RS232/SD Card4/USB Pen Drive Internal Memory Data Storage: 20,000 Points Data Format: ASDCII Display: 2.8-inch High resolution backlight black and white display with contrast adjustment/ Graphics: 240 x 320 pixels / Character: 6 lines x 25 characters Keyboard: 2 sides Alphanumeric backlit crystal keyboard Laser Plummet Type: Laser point, 4 brightness levels adjustment Centering Accuracy: 1 mm at 1.5m instrument height Battery Type: Rechargeable Li-ion battery Voltage Capacity: ZBA-400: 7.4V (DC) / 3000mAh Battery timing: Optimal 16 hours/10 hours typical Operating Temperature: -20°C ~+50°C Storage Temperature: -40°C ~+70°C Dust & Water Proof (IEC60529Standard)/Humidity: IP55 Accessories Included: 2.Nos. Battery, 1.No. Charger, 1.No. Mini USB, 1.No. Tool kit, 1.No. Manual operation, 1.No. Rain/Dust protective cover,	04	Each



	Bidding Documents	M&E Cell, P	&D Deptt, Govt: of Sindh
	TRAVELING BEAM DEVICE	mayeta i same	
	Used to detect and check any irregularity in both bituminous and concrete road surfaces. The unit consists essentially of a 3-meter-long beam fixed on two rigid wheels at the extremities. In the middle of the beam a sensing unit comprising a wheel connected to an indicator provides a magnification of 4:1 and measures deviations of the surface. The deviations are shown on a scale calibrated in increments of 2 mm up to 10 mm and 5 mm up to 25 mm. The beam is supplied as three sub-assemblies which are quickly assembled on site.  Dimension: 790x3200x1080 mm approx.  Weight: 55 kg approx.		
14	ACCESSORIES B098-01N AUTOGRAPHIC RECORDING DEVICE When connected to the Travelling Beam Device mod. B098N, it provides a	04	Each
	permanent record of the surface profile. It records up to 1000 metre surface on the special chart paper rolls. Supplied complete with 10 chart rolls and 2 fibre-tipped pens. B098-03N DYE-MARKER with paint bottle, used to identify suspect areas.  B098-05 WOODEN CARRYING CASE to house the Travelling Beam Device. Dimensions: 1480x680x510 mm approx.  SPARES  B098-11 Pack of 10 chart rolls for approx. 1000 metre run.  B098-12 Fibre-tipped pen for use with the recorder.  B098-13 Dyc-marker paint bottle.		
	GASOLINE POWERED PORTABLE UNWESTLCORE DRILLING		
15	Drilling range: Ø15-305mm Rated voltage: 220V- Rated power: 50-60Hz Input power: 4550W No-load speed: 380r / min Diamond drilling machine is a new type of tool that can drill holes in reinforced concrete, masonry, rock, ceramics and refractory materials. It has the characteristics of dust-free operation, high efficiency, smooth hole wall and accurate size. It is suitable for equipment installation, water and electricity, gas installation, civil engineering quality inspection, airport runway, highway, railway, railway bridge tunnel and other construction, quality inspection, installation fields.	01	Each
16	Utility locator series uses industry-leading digital signal processing to identify underground assets deeper, faster and more accurately than any other system  A pipe & cable locator uses conductive or inductive methods to find hidden pipes, cables, Manhole Covers etc with a high level of accuracy. For example, a conductive pipe locator may be used to apply a tracing signal to a coated metallic pipe at an access point such as valve or meter	04	Each
17	DIGITAL VERNIER CALLIPERSPECIFICATION:  Measuring range: 0-150mm /0-6 inch.; Accuracy: + 0.02 mm/ 0.001 in. (100 - 150 mm). Resolution: 0.01mm/ 0.0005 in Repeatability: 0.01mm/ 0.0005 in Maximum measurement speed: 1m/s; Power: 1 x 1.5V SR44 (silver oxide cell) battery.	04	Each

M&E Cell	, P&D Deptt	, Govt: of Sindh
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	Bidding Documents	M&E Cell,	P&D Deptt, Govt: of Sindh
18	Item Type: Diameter Gage Material: Stainless Steel STAINLESS STEEL WIRE WELDING GAUGE: Metal sheets welding thickness gauge is made of high quality stainless steel, sturdy and durable, an useful measuring tool for help you save time and material.	04	Each
19	THERMOGRAPHY INFRA RED IRT  Features & Specs Temperature Testing The measuring range is -10 °C to 400 °C Capturing an astonishing level of detail through high thermal sensitivity, isolating the smallest temperature anomalies. Resolution: 32x32 pixel resolution, 33° Field of View, capture a clear accurate image focused throughout the field of view IR Thermal imaging camera technics Use 2-megapixel white lens and 2.2 TFT LCD screen to visualize targets more flexibly Integrated Visual Display Combine Infrared and visible images for simpler analysis and edit and optimize image	04	Each
20	MULTI FUNCTION DIGITAL MOISTURE METER  Digital Multi-function moisture meter use for measuring the moisture content of Soil, Cement, Sand, Plater, Concrete and Mortar etc.  Specification Display:4 digital LCD Measuring range :0-50% Operation condition: Temperature:0-60°C Humidity:5%-90%RH Resolusion:0.1 Accuracy: ± 2%n(Non- saturation condition) Power supply: 4x1.5 AAA size (UM-4)(not included) battery Dimensions:140mm×60mm×22mm Needle: 280mm Weight:210g	01	Each



Documents	M&E Cell, P&D Deptt, Govt: of Sindh

	Bidding Documents	M&E Cell, P	&D Deptt, Govt: of Sindh
	OPTICAL MEASURING INSTRUMENT		THE RESIDENCE THE RESIDENCE
	Features & specification		
	High precision engineering auto level		
	*Magnetically damped compensator that supports accurate instrument		
	leveling		
	*High resolution telescope for quick and clear target sighting		
	*Designed and developed for best performance in various civil		
	engineering and construction projects		
	Magnification: 32 x		
	Length of Tube: 218 mm		
	Image: Erect		
	Objective Aperture: 45 mm		
	Field of View: 1°20'		
	Resolution (JIS Standard) 2.5"		
	Minimum Focus: 3 m (from the centre of the instrument)		
21	Focusing Know: 2 speed	02	Each
	Stadia Ratio: 100		
	Horizontal Circle (Diameter):		
	103 mm		
	Horizontal Circle: 1°		
	Automatic Compensator		
	Accuracy: 0.3"		
	Range: ± 15'		
	Circular Bubble Sensitively: ≤ 8°/2 mm		
	Sighting Device: Collimator		
	Standard Deviation: ± 0.7 mm (1km double run leveling)** ± 0.4 mm, Waterproof Grade: IPX6		
		and the later of the later	
	Size: 218 (L) x 132 (W) x 142 (H) mm		
	Weight: 1.71 kg Accessories included		회원(등) 전통이 살았다. 회사는 경기 방법이
	Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench		
	Adjusting Pin, Aluminum Tripod stand & Aluminum staff pole		
	CONCRETE SCHIMIDT HAMMER		
	Concrete Test hammer ASTM, EN, DM, BS and NF Test standards		
	Description & Specification		
	Type 'N' range 10 to 70 N/mm2 (100 to 700 kgf)/cm2)		
	Impact energy 0.225 mkg (2.207 joules)		
	Included certificate calibration by KAN		
	For noon-destructive strength testing of concrete and structural		
	components		
	In operation, the hammer hits the concrete at a defined energy		5 7
22	Its rebound is dependent on the hardness concrete	04	Each
	Through the use of the included conversion table		
	The rebound value can be converted to compressive strength		
	The standard (Type N) hammers that display rebound values on a		
	mechanical sliding scale.		
	For testing thin walled structural components with a thickness of less		
	than 10 cm or rock cores		
	Accessories included		
	1 x Test hammer, 1xcarbondum rubbing stone, 1 x Manual operation, 1		
	x carrying bag		



	Bidding Documents	M&E Cell, P8	kD Deptt, Govt: of Sindh	
23	Integrated Rebar detector are mainly used for detecting the internal reinforcement position, the protective layer thickness, reinforcement spacing and diameter of rebar. It can accurately draw the distribution map of the whole rebar, to provide test data with high precision and high speed; the integrated structure of the host and the sensor coil, making it is convenient and quick when carrying and field operation; It is characterized in coil structure design, faster speed, higher accuracy, stronger resolution.  Specification  Applicable range of Rebar (mm) φ6~φ50  Protective layer Small range:1~80  Large range thickness range(mm):5~185  Power supply Built in high capacity lithium battery Test range (mm)  The first range: 1~90 the second range: 5~185  Screen 320*240  Working hours ≥16h Size 219*92*106cm  Data transfer mode USB\Wireless Operation Silicone keypad  Storage 200K Measuring point of steel bar  Display resolution 2.8-inch high-resolution color LCD screen (320×240 pixels)  Set shutdown time 5m, 10m, 15m, 30m, 60m, 90m	02	Each	
24	CONCRETE /ASPHALT CUTTER SAW  'CUT DIAMOND" Rosad Cutter fitted with 'Kipor" 15HP Air-cooled Diesel Engine complete with 20 inch cutting blade	01	Each	
25	PRESSURE WASHER Engine Features: 196ce Champion OHV Engine, 4 Stroke, Low oil shut off, single cylinder, Recoil start, cast iron steel for durability Washer Specification Max Pressure: 2600 Psi Flow Capacity: 2.2 gpm Pump: Axial Cam Wheel Size: 12"	02	Each	



M&E Cell, I	P&D De	eptt, Govt	: of Sindh
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	Bidding Documents	M&E Cell, P&I	D Deptt, Govt: of Sindh	
	Edding Documents  LONGITUDE AND LATITUDE MEASURING DEVICE COMPLETE WITH APPROPRIATE ACCESSORIES TO COMPLETE THE JOB  Features Quad-Penta Band, GSM/GPRS/UMTS, GPS, Glonass, BeiDou, Galileo and SBAS, Novatel GNSS Technology & Q-Lock, all visible satellites are tracked with the highest possible sensitivity, IP68 dust & water proof, shock and vibration resistance, complete control with receiver keypad, quick swappable sim and micro sd cards, Internal GSM/GPRS Antenna, External power & radio port Specification	M&E Cell, P&I	D Deptt, Govt: of Sindh	
26	Q-Lock Technology: Lowest noise & multiple Mitigation, Satellites (Max number tracked simultaneously: 60, Channels: 120, GPS Tracking: L1,L2, L2C, Glonass tracking: L1,L2, Beidou tracking: B1*, Galileo tracking: E1*, Positioning rate: 20Hz* 5Hz SBAS: EGNOS, WAAS, MSAS, GAGAN Accuracy Static H/V (mm+ppm): 3+0.5/5+0.5 Static Long H/V (mm+ppm): 3+0.1/3.5+0.4 Kinematic H/V (mm+ppm): 8+1/15+1 Communication GSM/GPRS Module: Quad-Band GSM & Penta-Band; UMTS 800/850/900/1900/2100 MHz	02	Each	
	Internal Antenna Communication Port: USB, Scrial & power Interfaces Keyboard: On/Off & Function keys LED Status & mode indicators: Positions, battery Bluetooth, RTK Receiver, RTK Transmit, Storage card, Rover base static, Data Recording: 8 GB removable micro SD Card GSM/TCP/IP: Removable sim card Power supply External power/internal battery: 10.5v to 28v/ removable 2.6 Ah: 7.4V Operating Time (Static/Rover): 9h/6h Protection class: IP68 Operating Temperature: -40 Deg. C TO + 65 Deg. C Humidity: 100% condensing Complete with Base Station + Rover + Field Controller + Batteries + Charger + Antennas + Tribrach+ Tripod Stand + Fiber Pole			



	Bidding Documents	M&E Cell, P&D D	eptt, Govt: of Sindh
	DOPPLER FLOW TESTER		
27	Handheld portable Ultrasonic Doppler water flow meter Features & specification Measurement Accuracy: Flow ±1%, Heat ±2% Sensor Probe Measurement Range: DN15-100mm(TS-2)/DN50 700mm(TM-1)/DN300-6000mm(TL-1) Power supply mode: Rechargeable battery power supply (charger included) Charging time: 8 hours Use time: 12 hours or more Working power supply: 90-230VAC (12 hours working after sufficient charge) including 2000mAh Ni-H Lithium battery Accuracy level: indication value ±1%, flow rate greater than 0.2m/s Unit of Measure: Meter, Feet, Cubic Meter, Liter, Cubic Feet, US Gallon Applicable pipe: carbon steel, stainless steel, cast iron, copper, PVC, aluminum, glass steel, etc. Liquid type: more than 30 kinds of pure liquids such as pure water and tap water Data logging: built-in data logger, can store 32Mbit memory Medium temperature: conventional -30-90°C, high temperature types up to - 30-150°C Use humidity: 85% of the host Sensor Protection Level: IP67 Housing Material: Flame Retardant ABS Host material: die-cast aluminum Accessories included 1 x TUF-2000H Ultrasonic Flow Meter, 3 x sensor (TS-2, TM-1,TL-1) 1 x 3M Steel tape, 1 x Oct Data Line, 1 x steel support chain, 1x 5m standard sensor signal cable, 1x user manual, 1 x adapter	02	Each
28	CONCRETE COMPRESSION TESTING MACHINE 'MATEST' 'ITALY) MODEL C055 OR EQUIVALENT  Compression machine 2000 KN motorized with Digital Control Unit to test cubes upto 150 mm side and cylinders up to dia 160x320 mm	01	Each
29	ULTRASONIC THICKNESS GUAGE 'SADT' MODEL SA40+ OR EQUIVALENT Using new technique of multiple echo (echo-to-echo) it can measure wall thickness under paint. For a normal ultrasonic thickness gauge, you must remove paint on work piece, but with new technology, it takes measurement directly over the paint of work piece and you can get real thickness value of work piece. it has two measuring modes: normal mode and multiple echo(MEC) mode. By normal mode, it is a normal ultrasonic thickness gauge; by MEC mode, it can measure over coatings.  Specification Technique: pulse echo with dual probe Display: 4 digits LCD with backlight Measuring range: 0.7 to300.0mm Resolution: 0.01mm 0.8-99.99mm, 0.1mm 100.0-300.0mm Velocity range: 500-9999m/sec. Display circle: 1 sec. Coupling indication Memory: 40 data can be stored and re-readable Units: mm or inch Low battery indicator on LCD Auto shut-off: after 5 min. of non-use Power: 2 ea. 1.5V AA alkaline cells Operating temperature: 0-40°C Operating humidity: 20-90%RH Size: 124x67x30mm Weight: 240g	02	Each

M&E Cell,	P&D De	ptt, Govt:	of Sindh
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	Bidding Documents	M&E Cell, P	&D Deptt, Govt: of Sindh	
- U 1034	OPTICAL MICROMETER TYPE OM5 FOR COMPLETEING			
30	THE JOB OR EQUIVALENT ENGINE FEATURES  Optical micrometer is an optional accessory that mounts to the optical automatic level for increased precision. For metric level rods or staffs. Perfect for high precision leveling, The Optical Micrometer mounts on the automatic level telescope allowing for staff readings in increments of 0.1mm. Ideal for deformation studies or industrial measuring tasks, this optical parallel plate micrometer also improves the accuracy of the auto level from 0.7mm to 0.5mm per kilometer double run leveling. The OM5 enables surveyors and construction and Industrials professionals to achieve the highest accuracy when using metric level rods or staffs.	02	Each	
31	ON-SITE HANDHELD/ANDROID DATA COLLECTOR & RECORDER TYPE P8 I FOR COMPLETING THE JOB OR EQUIVALENT  Rugged 5" Android handheld data collector and recorder that perform well in challenging environments such as Forests, urban areas, land, plots for recording accurate measurements and perform calculation on site or on field Features High performance CPU equipped with Octa-core 2.0 GHz processor and Android 9.0 System 5" high capacitive screen with 1280x720 resolution With built-in 5200mAh lithium rechargeable and replaceable battery for full day working Dual Sim card with 4G Network All GNSS Constellation supported such as GPS, BDS, Galileo & Glonass 32GB Internal storage and supports SD Card expansion up to 128 GB With stylus pen to operate accurate even in rain mode. IP67 Dustproof & waterproof System Specification Processor: MT6762, OS: Android 9.0, RAM: 3GB, ROM: 32GB Camera Specification REAR: 13MP, Flash Light: Supported, Auto Focusing: Supported Screen Specification Screen size: 5", Resolution: 1280x720, Density: 320 dpi, Brightness: 400 nits, Touch panel: Capacitive, TFT, Touch: 10 touch points GNSS Specification Channels: 72, Tracking: GPS, BDS, GLONASS, GALILEO, Accuracy: Single 1-3m Communication specification GSM, Wifi, Bluetooth SD Card, USB	02	Each	
32	MULTIPLE HANDHELD GAS MONITOR DETECTOR MODEL K-400M OR EQUIVALENT  1. Power: 6x1.5V AA included 2. Frequency: 7.5 KHz 3. Current Standby: 65mA Max: 150mA 4. Voltage: 7.2-9.6V 5. Operating Temperature: -20 to +60 6. Sensitivity: US 50 Cent: 200mm 7. Indication Model: LCD Mode 8. Stretch Length: 23-31 inches 9. Detector Diameter: 8.3 inches	04	Each	



Bidding	Documents
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Bidding Documents	M&E Cell, P8	&D Deptt, Govt: of Sind	n
DUAL BORE INSPECTION CAMERA FOR BORE/WELL WITH 300 METER CABLE TYPE V10-BSC FOR COMPLETING THE JOB OR EQUIVALENT  Main Features  Dual waterproof camera for deep well inspection Dia 63mm x L570mm stainless steel 700TVL Camera IP68 Waterproof up to 50Bar 100m-500m twist wires cable with electric winch HD DRV Control Box with Audio/Video recording function Built-in 128G Solid state drives to storage video/audio files Builtin Compass and temperature sensor Dual Camera Ø 63mm L570mm stainless steel casing Waterproof IP68 operating depth 50 bars (725 PSI) Dual camera down & side viewing Pan 360° rotate endless View angle 120° Sensor resolution 700 TVL 6 pes high light LED (Down View) 6 pes high light LED (Side View) Camera weight: 6 Kg Electric Winch Winding speed: 0-20m/min Cable Speed: Adjustable Ø10mm Twisted pair cable (300M) Power supply: 230V On screen depth encoder Electric cable rolling Control Unit Monitor 10° Industrial color monitor Display mode: 4:3 Resolution: 1024*768 Control Panel Video input option: Borehole Camera or Pan & Tilt Camera Winch operating knob: (adjustable speed, cable up & down, brake) Camera Rotation control button (Clockwise & counter clockwise) Down & side camera select button & LED brightness control button. HD DVR Audio/Video recording and playback Video storage Medium: Builtin 128GB SSD or USB Device On Screen depth encoder temperature & direction.	02	Each	
on soron aspar energy temperature of unconem		Calibration and Service Charge	
		Total Amount	
	G	ST (If applicable)	
		Grand Total	

Stamp & Signature

#### Part-V

### SCHEDULE OF REQUIREMENTS

The delivery schedule is hereafter expressed the date of delivery required along with location is as under:

Sr	Items /Qty	Time of Delivery from date of Award	Location of Supply	Phone No. & Email
	As specified in Part – IV of this	within three (03)	Assistant Director (A&A)(MEC) Monitoring & Evaluation Cell (MEC), P&D Department, Room No. 419-E,	Phone No. 021-99211927 / 99211403
1	bidding documents	months after contract signing	3rd Floor, Tughlaque House Sindh Secretariat No. 2, Karachi	Email: ddo.mecpdd@gmail.com



Dear

herewith and made part of this Bid.

### **PART-VI** SAMPLE FORMS

Form-I

	Letter of Acceptance
	Date:
To:	
Assi	stant Director (A&A)(MEC),
	nning & Development Department,
	Floor, Room No. 419-E
Sind	lh Secretariat No. 2, (Tughlaq House),
Kar	achi.
Sir:	
Ha	ving examined the bidding documents, the receipt of which is hereby duly
cknowl	edged, we, the undersigned, offer to supply and deliver the required item in ity with the said bidding documents for the sum of [total bid amount in words and figures]
	other sums as may be ascertained in accordance with the Schedule of Prices attached

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the Deposit at Call or Pay Order or guarantee of a scheduled bank in a sum equivalent to Five (05) percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Bid for a period of 90 days from the date fixed for Bid opening under Clause 10 of the Instructions to Bidders, and it shall remain binding upon usand may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this \_\_\_\_\_day of \_\_\_\_\_2023 [signature] [in the capacity of]

Duly authorized to sign Bid for and on behalf of



### Form-II

## Relevant Experience

S. No	Name of Organization with addresses	Assignment Description	Cost	Start Date	End Date	Remarks
					Anti-	
						Para Para



## Form-III

## Price Schedule in Pak Rupees

MO	NITORING EQUIPMENTS				
r#	Description of Item	Qty	Rate	Unit	Amount
		Installation, Ca	alibration a	nd Service Charge	
				Total Amount	
				GST (If applicable)	
				Grand Total	
	al Rupees (in words)		and signed		p & Signs
is hereby	certified that the terms and conditions have bee	en read, agreed upon a	and signed		
is hereby 1/s:		en read, agreed upon a			
is hereby 1/s : Contact Per	certified that the terms and conditions have bee	en read, agreed upon a			
t is hereby  1/s:  Contact Per  Address:	certified that the terms and conditions have been son:	en read, agreed upon a			
is hereby  1/s: ontact Per ddress: el #	certified that the terms and conditions have been son:	en read, agreed upon a			
is hereby  1/s:  Contact Per  ddress:  fel #  ax:  1/obile:	certified that the terms and conditions have been son:	en read, agreed upon a			p & Signa



Form-IV

#### **Bid Form and Price Schedule**

Assistant Director (A&A)(MEC),
Planning & Development Department,
3rd Floor, Room No. 419-E
Sindh Secretariat No. 2, (Tughlaq House),
Karachi.

Dear Sir,

To:

Having examined the bidding documents including Addenda Nos. [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver [description of goods and services] in conformity with the said bidding documents for the sum of [total bid amount in words and figures] or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the Deposit at Call or Pay Order or guarantee of a scheduled bank in a sum equivalent to Five (05) percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring agency.

We agree to abide by this Bid for a period of [90] days from the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptancethereof and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this	day of	2023
[signature]	[in the capacity	v of J
Stamp:		

Form-V

#### Contract Form

THIS AGREEMENT made the \_\_\_\_ day of \_\_\_\_ 2023 between Assistant Director (A&A), Monitoring & Evaluation Cell (MEC), Planning & Development Department, Government of Sindh, Karachi (hereinafter called "the Procuring agency") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part:

WHEREAS, the Procuring agency invited bids for certain goods and ancillary services, viz., [brief description of goods and services] and has accepted a bid by the Supplier for the supply of those goods and services in the sum of [contract price in words and figures] (hereinafter called "the Contract Price").

#### NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
- The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
- (a) the Bid Form and the Price Schedule submitted by the Bidder;
- (b) the Schedule of Requirements;
- (c) the Technical Specifications.
- (d) the General Conditions of Contract;
- (e) the Special Conditions of Contract;
- (f) the Procuring agency's Notification of Award and;
- 3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract
- 4. The Procuring agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written

Signed, sealed, delivered by	the	(for the Procuring
agency)		
Signed, sealed, delivered by	the	(for the Supplier)



#### Form-VI

#### **General Conditions of Contract**

#### 1. Definitions

In this Contract, the following terms shall be interpreted as indicated:

- (a) "The Contract" means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- (c) "The Goods" means all of the equipment, machinery, and/or other materials, which the Supplier is required to supply to the Procuring agency under the Contract.
- (d) "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
- (e) "GCC" mean the General Conditions of Contractcontained in this section.
- (f) "SCC" means the Special Conditions of Contract.
- (g) "The Procuring agency" means the Monitoring & Evaluation (MEC), Planning & Development Department, Government of Sindh.
- (h) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
- (i) "SPP Rules 2010" means the Sindh Public ProcurementRules 2010 (Amended up to date).
- (i) "Day" means calendar day.

The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution



2. Standards

Bidding Documents Procurement Cell

#### 3. Patent Rights

The Supplier shall indemnify the Procuring agency against all third- party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Islamic Republic of Pakistan.

# 4. Performance Security

Within twenty (20) days, or any other duration as specified in SCC, of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.

The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

The performance security shall be denominated in the Pak rupces and shall be an unconditional bank guarantee, pay order, call deposit as, provided in the bidding documents or another form acceptable to the Procuring agency;

The performance security will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.

#### 5 Inspections and Tests

The Procuring agency or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring agency. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring agency.

The Procuring agency's right to inspect test and, where necessary, reject the Goods after the Goods' arrival shall in no way be limited or waivedby reason of the Goods having previously been inspected, tested, and passed by the Manufacturer.

Nothing in GCC Clause 5 shall in any way release the Supplier from any warranty or other obligations under this Contract.



#### 6. Packing

The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage.

# 7. Delivery and Documents

Delivery of the Goods/Services shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping/ transportation and/or other documents to be furnished by the Supplier are specified in SCC.

#### 8. Insurance

No need of Insurance for Local Supplies, However Supplier is responsible to deliver the goods/services in perfect condition to the end user.

#### 9. Transportation

The Supplier is required under the Contact to transport the Goods/Services to a specified place of destination and shall be arranged by the Supplier, and related costs shall be deemed to have been included in the Contract Price.

#### 10. Incidental Services

- 10.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) training of Procuring agency's personnel, at the Supplier's plant and/or onsite, in assembly, start up, operation, maintenance, and/or repair of the supplied Goods.



Bidding Documents M&E Cell, P&D Deptt

11. Spare Parts 11.1 The Supplier should provide any or all of the notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Procuring agency may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:
  - advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements; and
  - (ii) following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

#### 12. Warranty

- 12.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of desired models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 12.2 This warranty / maintenance period shall remain valid for twelve (12) months after the Goods/Services, or any portion thereof as the casemay be, have been delivered to and accepted at the final destination indicated in the Contract.
- 12.3 The Procuring agency shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 12.4 Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Procuring agency.
- 12.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Procuring agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring agency may have against the Supplier under the Contract.



13.1 The Supplier's request(s) for payment shall be made to the Procuring agency in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 07, and upon fulfillment of other obligations

stipulated in the Contract

- 13.2 The firm should submit stamp duty as per Government Rule before execution of work.
- 13.3 Within 30 days after the issuance of inspection certificate and consignee's receipt certificate as mentioned in SSC clause 6.
- 13.4 If the supply is not according to the specifications or unsatisfactory, the Contract will rejected and cancelled at the risk and cost of Firm
- 13.5 If the firm fails to execute the contract/supply order as per condition, action will be taken against them which may be their black listing and Earnest Money. / Security Deposit will be forfeited.
- 13.6 In case of late delivery @ 0.1% per day will be charged on bid amount deducted from the bill, but not more than 10% of contract value.
- 13.7 The currency of payment is Pak. Rupees.
- 14. Prices Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid,
- 15. Contract Amendments No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
- 16. Delays in the 16.1 Delivery of the Goods and performance of Services shall be made by Supplier's the Supplier in accordance with the time schedule prescribed by the Performance Procuring agency in the Schedule of Requirements.
  - 16.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions obstructing timely delivery of the Goods and performance of Services, the Supplier shall promptly notifythe Procuring agency in writing of the fact of the delay, its likely durationand its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
  - 16.3 Except as provided under GCC Clause 19 a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 17 unless an extension of time is agreed upon pursuant to GCC Clause 16.2 without the application of liquidated damages.

### 17. Liquidated Damages

Subject to GCC Clause 19, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 18.

### 18. Termination for Default

- 18.1 The Procuring agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
  - (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 16; or
    - (b) If the Supplier fails to perform any other obligation(s) under the Contract.
  - (c) If the Supplier, in the judgment of the Procuring agency has engaged in corrupt or fraudulent practices in competing for orin executing the Contract.
- 18.2 In the event the Procuring agency terminates the Contract in whole or in part, pursuant to GCC Clause 18.1, the Procuring agency may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and supplier shall be liable to the Procuring agency for any excess costs for such similar Goods or services. However, the Supplier shall continue performance of the Contract to the extent not terminated.



#### **Bidding Documents**

19. Force Majeure 19.1 Notwithstanding the provisions of GCC Clauses 16, 17 and 18, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

> 19.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's faultor negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, warsor revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

> 19.3 If a Force Majeure situation arises, the Supplier shall promptlynotify the Procuring agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring agency in writing, the Supplier shall continue to perform its obligations under the Contractas far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

### 20. Termination for Insolvency

20.1 The Procuring agency may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accursed or will accrue thereafter to the procuring agency.

### 21. Termination for Convenience

21.1 The Procuring agency, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring agency's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective

- 21.2 The Goods that are compete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring agency at the Contract terms and prices. For the remaining Goods, the Procuring agency may elect:
- (a) to have any portion completed and delivered at the Contract terms and prices; and / or
- (b) To cancel the remainder and pay to the Supplier and agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier



22. Resolution of Disputes

Resolution of dispute shall be through Mechanism for Redressal of Grievances as provided in the rules or through Arbitration Act 1942.

23. Governing Language

The Contract shall be written in English language all correspondence and other documents pertaining to the Contract which are exchangedby the parties shall be written in the same language.

24. Applicable Law The Contract shall be interpreted in accordance with the SPP Rules 2010 (amended up to date).

25. Taxes and Duties

Supplier shall be entirely responsible for all taxes, duties (including stamp duty), license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.

26. Overriding
effect of Sindh
Public
Procurement
Rules 2010
(Amended up to
date)

In case of conflict or primacy of interpretation the provisions of SPP Rules 2010 (amended up to date) shall have an overriding effect notwithstanding anything to the contrary contained in these biddingdocuments



### Form-VII

### **Special Conditions of Contract**

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

### 1. Definitions (GCC Clause 1)

GCC 1 (g)—The Procuring Agency: Monitoring & Evaluation Cell (MEC), P&D Department, Govt: of Sindh, Karachi, Room No. 419-E, 3<sup>rd</sup> Floor, Tughlaq House, Sindh Secretariat No. 02, Karachi.

GCC 1 (h)— "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.

### 2. Performance Security (GCC Clause 4)

GCC 4—Successful bidder to submit performance security at the rate 05% of total contract amount in form of Deposit at Call or Pay Order or a Bank Guarantee from any scheduled bank in Pakistan drawn in favor of DDO ("Strengthening & Capacity Building of Regional Offices of M&E Cell at Hyderabad & Sukkur". on the day of contract signing. No Insurance Guarantee will be accepted.

### 3. Inspections and Tests (GCC Clause 5)

Technical Inspection team nominated by Director General M&E Cell, P&D Deptt, Government of Sindh shall inspect the procured goods and ensure that delivered items meets the agreement specifications and sign/issue acceptance certificates against the Payment Invoice.

### 4. Delivery and Documents (GCC Clause 7)

GCC 10—Supplier shall supply and install the good within Days after signing the contract and shall submit the following.

- (i) Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) Packing List identifying the contents of Supply;
- (iii) Delivery note.
- (iv) Warranty and guarantee certificate;



### 5. Warranty (GCC Clause 12)

The equipment shall bear Standard warranty (with free parts & labor) period from the date of installation / acceptance.

### 6. Payment (GCC Clause 13)

-The Supplier's request(s) for payment shall be made to the Procuring Agency in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 7, and upon fulfillment of other obligations stipulated in the Contract.

-Invoices should be in Pak Rupees and should be in the name of Director General (MEC), P&D Deptt, Govt: of Sindh.

-Payment shall be made against the invoice after complete delivery and its confirmation through Inspection Certificate issued by Director General (MEC), P&D Deptt, Govt: of Sindh's authorized technical Inspection team.

-Tax shall be deducted/withheld as per applicable sales tax and income tax law.

### 7. Liquidated Damages (GCC Clause 17)

If the Supplier fails to deliver the required services within the time period(s) specified in the contract, the Purchaser shall, without prejudice to its other remedies under the contract deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.1 percent of the Contract Price for each day of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the purchaser may consider termination of the contract.

### 8. Termination For Convenience (GCC Clause 21)

The Monitoring & Evaluation Cell, P&D Department, Government of Sindh, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience and such action cannot be challenged in any court of law.

#### 9. Resolution of Disputes (GCC Clause 22)

In case of any dispute regarding goods & services, the decision of the Monitoring & Evaluation Cell, P&D Department, Government of Sindh shall be final & binding.



### Form-VIII

### **Bid Security Form**

Whereas [name of the Bidder] (hereinafter called "the Bidder") has submitted its bid dated [date of submission of bid] for the supply of [name and/or description of the goods] (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that WE [name of bank] of [name of country], having our registered office at [address of bank] (hereinafter called "the Bank"), are bound unto [name of Procuring agency] (hereinafter called "the Procuring agency") in the sum of for which payment well and truly to be made to the said Procuring agency, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this \_\_\_\_\_\_day of \_\_\_\_\_\_\_2023.

### THE CONDITIONS of this obligation are:

- If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
- 2. If the Bidder, having been notified of the acceptance of its Bid by the Procuring agency during the period of bid validity:
  - (a) fails or refuses to execute the Contract Form, if required; or
  - (b) fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders;

we undertake to pay to the Procuring agency up to the above amount upon receipt of its first written demand, without the Procuring agency having to substantiate its demand, provided that in its demand the Procuring agency will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including twenty eight (28) days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the above date.



[signature of the bank]

### Form-IX

### **Performance Security Form**

To:
Director General (MEC),
P&D Department,
3rd Floor, Room No. 414
Sindh Secretariat No. 2, (Tughlaq House),
Karachi.
WHEREAS [name of Supplier] (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. [reference number of the contract] dated2023 to supply [description of goods and services] (hereinafter called "the Contract").
AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.
AND WHEREAS we have agreed to give the Supplier a guarantee:
THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of [amount of the guarantee in words and figures], and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of [amount of guarantee] as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.
This guarantee is valid until the day of2023.
Signature and seal of the Guarantors
[name of bank or financial institution]
[address]
[date]



Form-X

### INTEGRITY PACT

### DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Value:		
Contract Title:		
he procurement of an Government of Sindh entity owned or control Without epresents and warrant hayable to anyone an unyone within or ourselection, including its charcholder, sponsor cickback, whether designed to the procurement of the procur	y contract, right, interest (GoS) or any administrational state of the contract of the contrac	y declares that it has not obtained or induced to privilege or other obligation or benefit from the subdivision or agency thereof or any other any corrupt business practice.  Of the foregoing, [Name of Supplier Contractor Consultant] and the brokerage, commission, fees etc. paid or or give and shall not give or agree to give to by or indirectly through any natural or juridical interaction, gratification, bribe, finder's fee or er or otherwise, with the object of obtaining or interest, privilege or other obligation or benefit, (PA), except that which has been expressly
leclared pursuant here   Name of     Isclosure of all agree     ransaction with PA ar	Supplier Contractor Consultant Coments and arrangements	with all persons in respect of or related to the on or will not take any action to circumvent the
bove deciaration, rep	resentation of warranty.	
naking any false decli action likely to defeat hat any contract, right as aforesaid shall, with	Supplier/Contractor/Consultant ac arration, not making full the purpose of this decl t. interest privilege or o	cepts full responsibility and strict liability for disclosure, misrepresenting facts or taking any laration, representation and warranty. It agrees other obligation or benefit obtained or procured ther right and remedies available to PA under ble at the option of PA.
naking any false declination likely to defeat hat any contract, right as aforesaid shall, with any law, contract or of Notwith Name of Supplier Course or Caccount of its corrupt equivalent to ten time cickback given by a	Supplier Contractor/Consultant acaration, not making full the purpose of this decl t, interest, privilege or othout prejudice to any other instrument, be voidal histanding any rights an amount agrees to indemnibusiness practices and the the sum of any comment of supplier Contractor Consultant and contract, rights and contract of any contract of any contract, rights and contract of any contrac	disclosure, misrepresenting facts or taking any aration, representation and warranty. It agrees ther obligation or benefit obtained or procured ther right and remedies available to PA under





# GOVERNMENT OF SINDH PLANNING & DEVELOPMENT DEPARTMENT (MONITORING & EVALUATION CELL)

Room No. 419-E, 3rd Floor, Tughlaq House, Sindh Secretariat No. 2, Karachi, Phone # 021-99211927 www.mecsinsh.gov.pk

" Say No To Corruption"

## CORRIGENDUM

## NOTICE INVITING TENDER

With reference to Monitoring & Evaluation Cell, Planning & Development Department, Government of Sindh Notice Inviting Tender advertisement No. (INF-KRY NO. 1693/23) published in Daily "Dawn", Daily "Jang" and Daily Kawish dated: 4th May, 2023 for "Procurement of Monitoring Equipment" following correction is being made in bidding document i.e.

How to apply					
For	Read				
Page-3 Eligibility Criteria	Page-3 Eligibility Criteria				
Bidder should be Active Tax Payer and provide Income Tax Number Certificate (NTN) & GST Registration Certificate with FBR Valid Professional Tax Certificate & Registration with (SRB) Sindh Revenue Board for Sales Tax (if applicable), SECP (Attach relevant documents)	Bidder should be Active Tax Payer and provide Income Tax Number Certificate (NTN) & GST Registration Certificate with FBR Valid Professional Tax Certificate & Registration with (SRB) Sindh Revenue Board for Sales Tax, SECP (Attach relevant documents) (if applicable)				
Page-15 Part-III Data Sheet (ITB 7 Mandatory Selection / Eligibility / Responsiveness criteria)	Page-15 Part-III Data Sheet (ITB 7 Mandatory Selection / Eligibility / Responsiveness criteria)				
5. SECP Incorporation certificate	SECP Incorporation certificate (if applicable)				

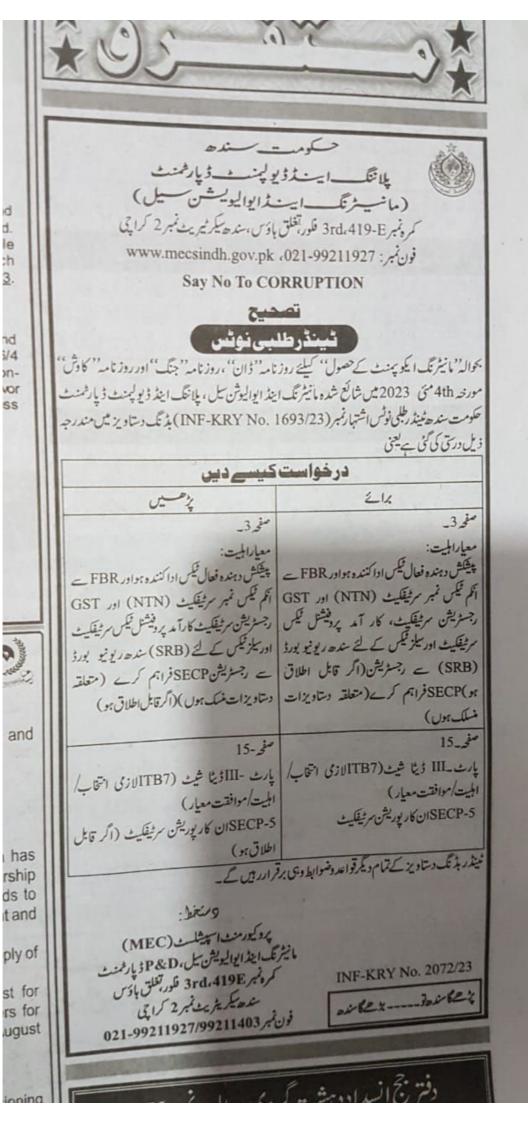
All the other terms & conditions of the tender bidding document shall remain the same

Procurement Specialist (MEC)

Monitoring & Evaluation Cell, P & D Department
Room No. 419 E, 3<sup>rd</sup> Floor, Tughlaque House,
Sindh Secretariat No. 2, Karachi
Phone No. 021-99211927 / 99211403

INF-KRY: 2072/23

پارهندي سنڌ در ..... والدي سنڌ





## گورنمینت آفسند پلاننگ ایند دولپمینت دپارتمینت (مانیترنگ ایند اویلیوئیشن سیل)

روم نمبر. E - 419, ثرد فلور، تغلق هائوس، سنڌ سيڪريٽريٽ نمبر. 2, ڪراچي، فون # 99211927-9921 www.mecsindh.gov.pk

## تصمیح تینبر گھرائٹ لاءِ نوٽیس

"مانيترنگاوزار جي پروڪيورمينٽ"لاءِ مانيترنگاينڊ آويليوئيشن سيل، پلاننگ اينڊ ڊولپمينٽ ڊپارٽمينٽ, سنڌ حڪومت جو ٽينڊر گهرائڻ لاء نوٽيس اشتهار نمبر (INF/KRY NO. 1693/2023) روزاني "ڊان", روزاني "حنگ" ۽ روزاني "ڪاوش" ۾ تاريخ 04 مئي 2023 تي شايع ٿيل جي حوالي سان اطلاع ٿو ڏجي تہ واڪ دستاويزن ۾ هيٺيون درستگيون ڪيون ويون آهن.

درخواست كيئن ذّجي.						
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اهلیت معیار						
واڪ ڏيندڙ ايڪٽو ٽيڪس پيئر هجي ۽ انڪم						
تيكس نمبر سرتيفكيت (NTN) ۽ FBR سار						
GST رجستریشن سرتیفکیت کارگر پیش						
ور ٽيڪس سرٽيفڪيٽ ۽ سيلز ٽيڪس لا						
سنڌ روينيو بورڊ (SRB) سان رجسٽريشن.						
SECP (لاڳاپيل دستاويز لڳايو).						
پيج نمبر 15						
پارت-اا ا دينا شيت (TB 7 الازمي چوند /						
اهليت/ موت ڏيڻ جو معيان)						
* 613 A STOP 5						
5. SECP انكارپوريشن سرٽيفكيت						

تيندر واك دستاويزن جابيا سمورا شرط ع ضابطا ساكيا رهندا.

پروکیور میشت اسپیشاست (MEC) مانیترنگ ایند اویلیوئیشن سیل، P&D دهارتمینت روم نمبر 419E لرد قلور، تفلق هائوس، سنڌ سیڪريتریت نمبر- 2، ڪراچي فون نمبر: 9211403/99211402 مين

INF/KRY.No.2072/2023

پڙهندي سنڌ ..... ته وڌندي سنڌ

## DAWN THURSDAY MAY 4, 2023

### GOVERNMENT OF SINDH PLANNING & DEVELOPMENT DEPARTMENT (MONITORING & EVALUATION CELL)

## OTICE INVITING TENDER

The Monitoring & Evaluation Cell (MEC) in Planning & Development Department, Government of Sindh deals with the monitoring of development portfolio in Sindh. Now, it desires to improve its existing Monitoring & evaluation system. In this connection, it has received a fund allocation from the cost of ADP 2022-23 schemes No. 2632 titled as "Strengthening & Capacity Building of Regional Offices of M & E Cell at Hyderabad & Sukkur". It is intended that part of the proceeds of this allocated fund will be applied to eligible payments.

The Monitoring & Evaluation Cell (MEC), P & D Government of Sindh invites sealed bids on Single Stage Two Envelope Procedure Rule No. 46 (2) SPPRA Rules 2010 (Amended up to date) from manufacturers / firms / companies / distributors / suppliers for the following work on offer rate basis:

	Tender Schedule Date and Time Tender Fees					
Name of Work	Issue	Sale	Submission	Opening	Rs.	Bid Security
	From	То	Submission	Opening	7.0.	
"Procurement of	11/05/2023	25/05/2023	26/05/2023	26/05/2023	1	2% of the
Monitoring Equipment"	(During working	(During working	Up to	Up to	Rs. 3,000/-	total bid
AD(A&A)/52(MEC)/P&D/2023/-		hours)	3:00 pm	3:30 pm		amount

### Address / Venue of Tender for Issuance / Submission & Opening of Bid

Assistant Director (A&A) (MEC), Monitoring & Evaluation Cell, P & D Department, Room No. 419-E, Tughlaque House, Sindh Secretariat No. 2, Karachi, Phone No. 021-99211927 / 99211403. (Email: ddo.mecpdd@gmail.com)

### Eligibility Criteria:

	The bidder must have at least five (05) years of experience in similar nature of work / relevant field.
0.	
02	Bidder should be Active Taxpayer and provide income tax rember occurred (1717) a derived responsible to the first provide income tax rember occurred (1717) a derived responsible to the first provide income tax rember occurred (1717) a derived responsible to the first provide income tax rember occurred (1717) a derived responsible to the first provide income tax rember occurred (1717) a derived responsible to the first provide income tax rember occurred (1717) a derived responsible to the first provide income tax rember occurred (1717) a derived responsible to the first provide income tax rember occurred (1717) a derived responsible to the first provide income tax rember occurred (1717) a derived responsible to the first provide income tax rember occurred (1717) a derived responsible to the first provide income tax rember occurred (1717) a derived (1717)
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03	The details of turnover (in terms of inappear) or bank statement or bank statement million per year in terms of financial statement or bank statement million per year in terms of financial statement or bank statement per year in terms of financial statement or bank statement million per year in terms of financial statement or bank statement million per year in terms of financial statement or bank statement million per year in terms of financial statement or bank statement million per year in terms of financial statement or bank statement million per year in terms of financial statement or bank statement million per year in terms of financial statement or bank statement million per year in terms of financial statement or bank statement million per year in terms of financial statement or bank statement million per year in terms of financial statement or bank statement million per year in terms of financial statement or bank statement million per year in terms of financial statement million per year in terms of the financial statement million per year i
L	million per year in terms of financial statement of burn statement
04	Affidavit that firm is not blacklisted and interest
05	ISO 9001 certification   Iso 9001 certificatio
06	Affidavit visconsidered for further evaluation.  ISO 9001 certification  Note: Bidder should quote for all items mentioned in Part-IV BOQ. In case of incomplete quoting, bid will not be considered for further evaluation.

- 01. The intending participants can submit their applications on their letterhead in the office of undersigned for issuance of bidding documents with Tender Fee in shape of Pay Order should be drawn in favour of DDO "Strengthening & Capacity Building of Regional Offices of M & E Cell at Hyderabad & Sukkur".
- 02. Bidders are requested to give their Best & Final prices as "no negotiations" are permitted.
- 03. Bidding documents are available from the websites of Monitoring & Evaluation Cell (www.mecsindh.gov.pk) & SPPRA (www.pprasindh.gov.pk) 03. Diduling document declares and assessment declares holiday the tender shall be submitted /

opened on the next working day at the same time & venue.

05. M&E Cell P&D Deptt reserves the right to cancel the bidding process subject to the relevant provision of SPP Rules 2010 (Amended up to date).

Procurement Specialist (MEC) Monitoring & Evaluation Cell, P & D Department

Room No. 419 E, 3rd Floor, Tughlaque House. Sindh Secretariat No. 2, Karachi Karachi Phone No. 021-99211927 / 99211403

پڙهندي سنڌ ته ..... وڏندي سنڌ.

INF-KRY: No. 1693/23

يلا تنك ايت وي لينه في يارهمنث (مانسية تكاين أيالويشن ية ظف ايلا و لينت اليارانت ، عكومت منده ش ما نيز تك ايلا اي اليويش تكل (MEC)، منده ش واع لينت يورث فوليو كي ما نيز تك و يل كرتا سيد اب يده وجودها تغرقك ايذ اجاليدين سعم عن يهتري كا توارشند بيدال سليط عن ات 2022-2002 ADP اسكيو فير 2632 بعنوان" حدراً ما وارتكر عن MARE کیل کے علاقائی وقاتر کی اسٹر چھنتھ کے ایڈ کھوٹٹی بلڈ تک کی لاگٹ سے ایک فنڈ ایڈ کیش موصول ہوئی ہے میڈ قواہاں ہے کہ اس مختص کرووفنڈ کی پالتوں ك أو كاطار الله الكون يركيا جائد. ہا نیز تک ایڈ ایوالیویش تل (MEC) کی ایٹر وی و پارائشٹ، حکومت مندھ آفر ریٹ بنیاد پرمندرجہ ویل کاموں کے لئے میونینچر رزافر مزاکینیزا وسوی يوارز/سيا اززئ المرحله والنافرطريقه رول تمر (2)46 ايس في في آرات رواز 2010 (ترميم شدونا بدمال) يرمر بمير يتفتشين طلب كرنا ہے۔ نيسنة دسفيذول تاريخ اوروقت فيزيض بديكورق 128/18 اصيددا أصنرونست かど كل يوقلش 26-05-2023 26-05-2023 25-05-2023 11-05-2023 "مانيرتك الكويمنث كاحسول" 3000/-( K=51) ( K=51) AD(A&A)/52(MEC) ماليت كي 296 £ 3:30 /5the 411 FE 3:00 /P&D/2023/---(when بیشکش کے اجرا/جمع کرانے اور کھلنے کے لئے ٹینڈر کایتا/مقام استنت دَارُ يَشر (A&A)(MEC) ما نَتْرَكُ اينْدُ الإليانِينْ مِيل P&D في المنت كم وفير 419-2 يقلق باؤس مندو ميكر بزيت فمبر 2، كراجي قون فير 021-99211927/99211403، (ائ كتاب ddo.mecpdd@gmail.com)\_ التنظير وباندوا كاطرت كيانوجيت كام أحقاقة العبير عن كم از كم 05 برس ترتير بدكا فاز مأحال وو\_ ا وليكش وبنده فعال تكن اواكننده بواور FBR سه أتح يكن فمير مرفيكيث (NTN) اور تي ايس في رجستريش مرفيكيث كارآمد يروفيشش فيس سرنیکیٹ اور کارنیکس کے کے (SRB) ستہ ہدر ہے ہو ہوا ، SECP ہے دہستریشن قرائیم کرے۔ (متعلقہ دینا ویزات خسک کریں) کم از کم گذشته تمن برس کے زن اوور ( رویوں کی زمزش ) کی تصیات کہ گذشته تمن برس کا اوسا فرن اوور مالیاتی گشوار و یا ویک انٹیفنٹ کی فرمز مر 100 فين روي في سال علم شاو-حق المدكرة م ولك العالمين اور واكتان عن كى قوال مقد الدى عربا والتي عربا والتي المراه والتي المراء ISO 9001 ميليم -05 لوٹ : اینکٹل دیندہ Part-IV BOQ میں درج شدہ قام آ کو کے لئے اینکٹل کریں ، یکمل اینکٹل کرنے کی صورت بھی اینکٹل رح پر مشتیع by -8= 19 CO 31 4 38-01- قوا اختد شركا رفين الحل سارة رويل اوا من DDO الزينصق إيذ تحق الندنك آف ريخل آخر MAR تل بمقام عيد را إوايذ تكم ك ما الله بد محد و الدرات ك الرائد الله و المحلى ك المراج عن المين المرابق بالمناه و التي المراج المرابط إلى .. 02 والكثر واندكان سار في كام إن اور في ليشير وسية كى ورفوات ب ويداكر "كنت والنيد" كى اجازت للك ب-03۔ یڈنگ دیتاویزات مائیٹرنگ ایڈ ایوالیاشن کل (www.mecsindh.gov.pk) اور (SPPRA (www.pprasindh.gov.pk ویب سأنش عدمتاب في-44۔ جع کرائے کا کھنے کی تاریخ اوروقت کونا ٹوفکھ ارصور تھال یا حکومت کی جانب سے تعطیل کے اعلان کی صورت میں نینڈ رائی وقت اور مقام پر آنکدہ بیم کار - 55 VI / Tagle 41-28-19.4 M&E\_05 بارامنت كو SPP رائز 2010 (ترميم شدونا بال) كى حفاق فق عروط بذك على كوشور في كرف كافق عاصل ب-وستخطائي و كورمنسف الميشلت (MEC) مانسيةر كا\_اين فراي اليويسشن مسيل، P&D فريار امنت INF/KRY-No.1693/2023 كر ونبير 3rd.419E فكور بخلق باؤس منده يكرينريث فبر2 مرايق ox82x --- Fox82% كرا يى فون كسيد 321-99211927/99211403 Natio unse ر دون م من وي موسيو هو وينسلم اعقر شكوته و دولو اين بهنه من شطابت طامل الموصود في المحافظ الم گورنمینت آف سنڌ

## پلاننگ ایند دولپمینت دپارتمینت (مانیترنگ ایند اویلیوئیشن سیل)

ر گھرائڻ لاءِ ن پلائنگ ایند دولیمینت دیار تعینت، سنڌ حڪوم

اويليوئيشن سيل (MEC) سنڌ پر پورتفوليو نهڻ جي عمل جي تڪراني ڪند

هاڻي اهو پنهنجو مُوجودنگراني ۽ ڇنڊڇاڻجو نظام سٽارڻ ڇاهي ٿو. ان حواتي ۾. ان کي اي ڊي ٻي اسڪير 23-2022 اسڪيو نمبر. 2632 بعنوان "حيدرآباد ۽ برطي ۽ ڪئييہ مر ايند اي سيل جي ريجنل آفيسن جي مض

الأكت الاه فنذ الوكيش وصول في آهي. أن مختص كيل فنذ جي

ادائگين تي خرچ ڪرڻ جو ارادو آهي. مائيٽرنگ اينڊ اويليوئيشن سيل (MEC). P&D گورنمينٽ آف سنڌ آڄ اگھ آليد 1. 2010 (هيستائين ترميم ٿيل) جي اد تي هيٺين ڪمن لاءِ ايس پي پي آر اي رولز 2010 (هيستائين ترميم ٿيل) جي د کورون

رول (2)46 تعت مينوفيڪچررز / فرمن / ڪمپنين / ڊسٽريبيوٽرز / سپلائرز کان خگل استيج ٽو اينويلپ طريقيَکارَ تي مهريند واک گهرائي ٿو . راڪ كرجونالو ٽينبر شيبيول تاريخ ۽ وقت

. بلغ

(CC)

بو هو 20 س

مبع: 202

گهڙي

جمع كرائن كولڻ في رپيا سيكبورنم اجراء / وكرو تائين ا مُشْرِنْ لَكُورْ لِمِي \$25.5.2023 | 25.5.2023 | 3000 كارواك پروغورست<sup>5</sup> (آفیس (آفیس تیهري 3. نهري 3.30) (آفیس (آفیس وگي تاثین وگي تاثین وگي تاثین ن**يهري 3**- انهري 3.30 رپيا رقعرجو

2% واك اجراءً / جمع كرائن ۽ كولڻ لاء تينبر جي ايڊريس/هنڌ: اسستنت دائريڪٽر (A&A) مانيٽرنگ ايند اويليونيشن سيل. پي ايند ڊي

دپارٽمينٽ, روم نمبر. 419-إي. تغلق هائوس. م ڪراچي، فـون نـمـبـر. 02199211927 ر. 02199211927 / 99211403. (إي مـ

.(ddo.mecpdd@gmail.com واك ڏيندڙ لازمي طور لاڳاپيل شعبي/ ساڳي نوعيت جي ڪمر ۾ گهٽ ۾

گهٽ 5 سالن جو تجربو رکندڙ هجي. .2 ي ۽ انڪر ٽيڪس ن ٽي اين ۽ جي ايس ٽي. ايف بي آر سان رجسٽريشن سرٽيفڪ رٽيفڪيٽ ۽ ايس آر ب**ي** سان رج

يلز ٽيڪس لاءِ سنڌ روينيو بورد, SECP (لاڳاپيل دستاويز لڳايا وڃن). .3 ٽرن اوور جا تفص يل (ديين جي صودت ۾) گهٽ ۾ گهٽ گذريل ٽن سالن ج سراسر ترن اوور گذریل تن ۔ سال 100 ملين رپين کان گھٽ نہ ھ

منترا الد (4) رحمت تيتمينت يا بينك استيتم م نامو ترقرم پاڪستان ۾ بليڪلسٽ ٿيل نر آهي ۽ نرئي ڪنهن مقدم 4

بازي ۾ ملوث آهي. 5. \_ ISO 9001 سرٽينڪ نوت: واك ديندر يارت-١٧ 800 م جاڻايل سعورن أنتمز لاو اكه آجي. ان .6 مكمل آج جي صورت ۾ واڪ تي وڏيڪ جندچاڻ لاءِ غور ند ڪيو ويندو.

شود. خواهشدند شرکت کندوّ وای دستارین بی آبوا ۶ لاه پنهنیمی، درخواست پنهنیمی لیتر حید تی حیث صحیح کندوّ بی آفیس پر بعب طرائق سان گذ تیندر فی بصودت پی آدیر بیش بی بی او "حیدآباد با سکر پر ایبر ایند اِی

ميل جي ريجنل آفيسن جي مضبوطي ۽ ڪئيسٽي بلينگ ۽ جمع ڪرائش. واڪ ڏيندڙن کي درخواست تي ڪجي تريتهنجا بهترين ۽ حتمي اڳو. ڏين جيئن .2 تر ڳالهين جي اجازت نه هوندي. .3

شرنگ ایند اویلیوٹیشن يا ج (www.mecs.ndh.gov.pk جن پـي پـي آر اي ( www.pprasindh.gov.pk) تی دستیاب آهن

.4 جمع ڪرائڻ / کولڻ واري تاريخ ۽ وقت تي اٺٽر حالتن ٿيڻ يا حڪومت پاران ورت ۾ ٽينبر ورندڙ ڪم ڪار واري ڏينهن ساڳئي وقت ۽ وڪل ڪرڻ جي م هند تي جمع كيا / كوليا ويندا.

ايم اينڌ اي سيل پي اينڊ ڊي ڊپار ٽمينٽ ايس پي پي رولز 2010 (هيستائين ترميم ٿيل) جي لاڳاپيل فقرن جي شرط سان واڪ عمل کي منسوخ ڪرڻ جي .5 ىق محفوظ ركى تى.

پروكيورمينت اسپيشلست (MEC) مانيترنگ ايند اويليوئيشن سيل، P&D بپارتمينت

ئرية بار. نير، 419 إي، ثرة فلون تفلق هائوس نڌ سيڪريٽريٽ نمبر. 2، ڪراچي مرين نمبر. 2, ڪرليي فرن نمبر: 1021-9921127/99211403 INF/KRY.No.1693/2023

پڙهندي سنڌ ..... تہ وڌندي سنڌ



### GOVERNMENT OF SINDH PLANNING & DEVELOPMENT DEPARTMENT

### **NOTIFICATION**

NO: SO(ADMN-I) (P&D)12(97)2012 In suppression of this department's Notification No. SO(ADMN-1)/(P&D)12(97)/2012, dated 26<sup>th</sup> December, 2022 and in pursuance of Rule 7 & 8 of SPPRA Rules, 2010 (Amended 2019), Procurement Committee for procurement of Goods/Works/Non-Consulting Services in respect of ADP scheme namely i.e. "Strengthening & Capacity Building of Regional Offices of Monitoring & Evaluation Cell at Hyderabad and Sukkur included in ADP Gr. S.No. 2632 2022-23 is hereby re-constituted with following composition/TORs:-

1	Deputy Director (A&A) Monitoring & Evaluation Cell, Planning & Development Department, GoS	Chairman
2	Regional Monitoring Evaluation Officer (RMEO), Regional Office Karachi, Monitoring & Evaluation Cell, Planning & Development Department, GoS	Member /Secretary
3	Representative of Industries Department, GoS (Not below the rank of BS-18)	Member

### Terms of Reference for the Procurement committee:

- 1. Preparing Bidding Documents.
- 2. Carrying out technical as well as financial evaluation of the bids.
- 3. Preparing evaluation report provided in Rule-45.
- 4. Making recommendations for the award of contract to the competent authority.
- 5. Perform any other function ancillary and incidental to the above.

-SYED HASSAN NAQVI-CHAIRMAN, P&D BOARD, SINDH

NO: SO(ADMN-I) (P&D)12(97)2012 |590

Karachi, 14th February, 2023

A copy is forwarded for information and necessary action to:

- i. The Secretary to Government of Sindh, Industries & Commerce Department, Karachi.
- ii. The Chairman/All Members of Committee.
- iii. P.S. to Chairman, P&D Board Sindh, Karachi.
- iv. P.S. to Secretary (Planning) P&D Deptt, Govt. of Sindh, Karachi
- v. P.S. to DG (MEC), Monitoring & Evaluation Cell, P&D Deptt, Govt. of Sindh, Karachi.

vi. Master File

(IMRAN SIBTAIN)

SECTION OFFICER (ADMIN-I)

PH: 021-991211926



### GOVERNMENT OF SINDH PLANNING & DEVELOPMENT DEPARTMENT

### **NOTIFICATION**

NO: SO(ADMN-I) (P&D)12(97)2012 In suppression of this department's Notification No. SO(ADMN-1)/(P&D)12(97)/2012/13, dated 09.10.2019 and in pursuance of Rule 31 of SPPRA Rules, 2010 (Amended 2019), a Complaint Redressal Committee (CRC) to receive any grievance during the procurement in respect of ADP scheme namely i.e. "Strengthening & Capacity Building of Regional offices of Monitoring & Evaluation Cell at Hyderabad and Sukkur included in ADP Gr. S.No. 2632 2022-23 is hereby re-constituted with following composition/TORs:-

01	Director, Monitoring & Evaluation Cell, Planning & Development Department, GoS	Chairman
02	Representative of AG Sindh	Member
03	An Independent Professional from relevant field	Member
	(To be nominated by Head of Procuring Agency)	

### **TERMS OF REFERENCES (TORs)**

- a. The Complaint Redressal Committee (CRC) upon receiving a complaint from an aggrieved bidder may, if satisfied;
- b. Prohibit the Procurement Committee from acting or deciding in a manner, inconsistent with these rules and regulations;
- c. Annul in whole or in part, any unauthorized act or decision of the Procurement Committee; and
- d. Recommend to the Head of Department that the case be declared a mis-procurement if material violation of Act, Rules, Regulations, orders, instructions or any other law relating to public procurement has been established.
- e. Reverse any decision of the Procurement Committee or substitute its own decision for such a decision; Provided that the complaint Redressal committee shall not make any decision to award the contract.

-SYED HASSAN NAQVI-CHAIRMAN, P&D BOARD, SINDH

### NO. SO(ADMN-I)(P&D)12(97)/12:

AD TARAS

Karachi, 26th December, 2022

A copy is forwarded for information and necessary action to:

- 1. The Accountant General Sindh, Karachi.
- 2. The Chairman/All Members of Committee.
- 3. Deputy Director (A&A), Monitoring & Evaluation Cell, P&D Deptt, Govt. of Sindh, Karachi.
- 4. P.S to Chairman P&D Board Sindh, Karachi.
- 5. P.S to Secretary (Planning), P&D Board Sindh Karachi.

6. P.S to DG (MEC), P&D Department, Government of Sindh, Karachi.

(IMRAN SIBTAIN) SECTION OFFICER (ADMIN-I

PH: 021-991211926



### No. AD(A&A)/052/MEC/P&D/2023 296 GOVERNMENT OF SINDH PLANNING & DEVELOPMENT BOARD SINDH, (MONITORING & EVALUATION CELL)

Karachi, dated: 3rd May, 2023

(Saeed Ahmed Nizamani) Procurement Specialist (MEC) Tel: 021-99211927

The Director Information (Advertisement), Information Department, Government of Sindh, Karachi.

Subject:-

Publication of Notice Inviting Tenders (NIT) in respect of ADP Scheme Namely "Strengthening & Capacity Building of Regional Offices of M&E Cell at Hyderabad & Sukkur (ADP 2022-23 # 2632).

I am directed to refer to the subject noted above and to enclose (8) copies of Notice Inviting Tender publication with a request that the publicity may kindly be arranged through three leading newspapers e.g. the Daily DAWN, JANG & KAWISH as per Government policy latest by Wednesday, 6th May, 2023.

It is further requested that the requisite bill may kindly be sent to Monitoring & Evaluation Cell, Planning & Development Department, Karachi along with the cutting of

newspapers.

C.C. to:-

1. P.S. to Chairman, P&D Board Smdh, Karachi. 2. P.S. to Secretary (Planning), P&D Department, Govt: of Sindh, Karachi.

3. P.S to DG (MEC), P&D Department, Govt: of Sindh, Karachi 4. The Deputy Director (A&A) MEC, P&D Department, Govt: of Sindh, Karachi

5. The Assistant Director (A&A) MEC, P&D Department, Govt: of Sindh, Karachi

6. File Record.

# GOVERNMENT OF SINDH PLANNING & DEVELOPMENT DEPARTMENT (MONITORING & EVALUATION CELL)

## NOTICE INVITING TENDER

The Monitoring & Evaluation Cell (MEC) in Planning & Development Department, Government of Sindh deals with the monitoring of development portfolio in Sindh. Now, it desires to improve its existing Monitoring & evaluation system. In this connection, it has received a fund allocation from the cost of ADP 2022-23 schemes No. 2632 titled as "Strengthening & Capacity Building of Regional Offices of M & E Cell at Hyderabad & Sukkur". It is intended that part of the proceeds of this allocated fund will be applied to eligible payments.

The Monitoring & Evaluation Cell (MEC), P & D Government of Sindh invites sealed bids on Single Stage Two Envelope Procedure Rule No. 46 (2) SPPRA Rules 2010 (Amended up to date) from manufacturers / firms / companies / distributors / suppliers for the following work on offer rate basis:

	Tender Schedule Date and Time				02000		
Name of Work	Issue From		Issue Sale	C. L. J.	Opening	Tender Fees Rs.	Bid Security
			То	Submission			
"Procurement of Monitoring Equipment"	11/05/2023 (During	25/05/2023 (During	26/05/2023 Up to	26/05/2023 Up to	Rs.	2% of the total bid	
AD(A&A)/52(MEC)/P&D /2023/	working hours)	working hours)	3:00 pm	3:30 pm	3,000/-	amount	

### Address / Venue of Tender for Issuance / Submission & Opening of Bid

Assistant Director (A&A) (MEC), Monitoring & Evaluation Cell, P & D Department, Room No. 419-E, Tughlaque House, Sindh Secretariat No. 2, Karachi, Phone No. 021-99211927 / 99211403. (Email: ddo.mecpdd@gmail.com)

### Eligibility Criteria:

	(05) years of experience in similar nature of work /
01	The bidder must have at least five (05) years of experience in similar nature of work / relevant field.
02	Bidder should be Active Tax Payer and provide Income Tax Number Certificate (NTN) & GST Registration Certificate with FBR Valid Professional Tax Certificate & Registration with (SRB) Sindh Revenue Board for Sales Tax, SECP (Attach relevant documents)  The details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of at least last three years that average turn of the details of turn-over (in terms of Rupees) of
03	The details of turn-over (in terms of Rupees) of at least last three years that are soft financial last three years should not be less than Rs. 100 million per year in terms of financial statement or bank statement.  Affidavit that firm is not Blacklisted and involved in any active litigation in Pakistan.
04	Affidavit that firm is not Blacklisted and involved in the
05	ISO 9001 certification Part-IV BOQ. In case of incomplete
06	ISO 9001 certification  Note: Bidder should quote for all items mentioned in Part-IV BOQ. In case of incomplete quoting, bid will not be considered for further evaluation.



### Instruction:

- The intending participants can submit their applications on their letter head in the office of undersigned for issuance of bidding documents with Tender Fee in shape of Pay Order should be drawn in favour of DDO "Strengthening & Capacity Building of Regional Offices of M & E Cell at Hyderabad & Sukkur".
- 02 Bidders are requested to give their Best & Final prices as "no negotiations" are permitted.
- 03 Bidding documents are available from the websites of Monitoring & Evaluation Cell (www.mecsindh.gov.pk) & SPPRA (www.pprasindh.gov.pk)
- O4 In case of undesirable circumstances on submission / opening date & time or if Government declares holiday the tender shall be submitted / opened on the next working day at the same time & venue.
- 05 M&E Cell P&D Deptt reserves the right to cancel the bidding process subject to the relevant provision of SPP Rules 2010 (Amended up to date).

Procurement Specialist (MEC)

Monitoring & Evaluation Cell, P & D Departme

Room No. 419 E, 3rd Floor, Tughlaque House

Sindh Secretariat No. 2, Karachi

Karachi Phone No. 021-9921192

2 xl



### No. AD(A&A)/052/MEC/P&D/2023 / 298 GOVERNMENT OF SINDH / PLANNING & DEVELOPMENT BOARD SINDH, (MONITORING & EVALUATION CELL)

Karachi, dated: 19th May, 2023

(Saeed Ahmed Nizamani)
Procurement Specialist (MEC)
Tel: 021-99211927

The Director Information (Advertisement), Information Department, Government of Sindh, Karachi.

Subject:-

Corrigendum Advertisement

Publication of Notice Inviting Tenders (NIT) in respect of ADP Scheme Namely "Strengthening & Capacity Building of Regional Offices of M&E Cell at Hyderabad & Sukkur (ADP 2022-23 # 2632).

I am directed to refer to the subject noted above and to enclose herewith (8) copies of Corrigendum Notice Inviting Tender publication with a request that the publicity may kindly be arranged through three leading newspapers e.g. the Daily DAWN, JANG & KAWISH as per Government policy latest by Saturday, 20th May, 2023.

It is further requested that the requisite bill may kindly be sent to Monitoring & Evaluation Cell, Planning & Development Department, Karachi along with the cutting of newspapers.

C.C. to:-

1. P.S. to Chairman, P&D Board Sindh, Karachi.

2. P.S. to Secretary (Planning), P&D Department, Govt: of Sindh, Karachi.

3. P.S to DG (MEC), P&D Department, Govt: of Sindh, Karachi

4. The Deputy Director (A&A) MEC, P&D Department, Govt: of Sindh, Karachi

5. File Record.



# GOVERNMENT OF SINDH PLANNING & DEVELOPMENT DEPARTMENT (MONITORING & EVALUATION CELL)

Room No. 419-E, 3<sup>rd</sup> Floor, Tughlaq House, Sindh Secretariat No. 2, Karachi, Phone # 021-99211927 <a href="www.mecsindh.gov.pk">www.mecsindh.gov.pk</a>

" Say No To Corruption"

## **CORRIGENDUM**

## NOTICE INVITING TENDER

With reference to Monitoring & Evaluation Cell, Planning & Development Department, Government of Sindh Notice Inviting Tender advertisement No. (INF-KRY NO. 1693/23) published in Daily "Dawn", Daily "Jang" and Daily Kawish dated: 4th May, 2023 for "Procurement of Monitoring Equipment" following correction is being made in bidding document i.e.

How to apply					
For	Read				
Page-3 Eligibility Criteria	Page-3 Eligibility Criteria				
Bidder should be Active Tax Payer and provide Income Tax Number Certificate (NTN) & GST Registration Certificate with FBR Valid Professional Tax Certificate & Registration with (SRB) Sindh Revenue Board for Sales Tax (if applicable), SECP (Attach relevant documents)	Bidder should be Active Tax Payer and provide Income Tax Number Certificate (NTN) & GST Registration Certificate with FBR Valid Professional Tax Certificate & Registration with (SRB) Sindh Revenue Board for Sales Tax, SECP (Attach relevant documents) (if applicable)				
Page-15 Part-III Data Sheet (ITB 7 Mandatory Selection / Eligibility / Responsiveness criteria)  5. SECP Incorporation certificate	Page-15 Part-III Data Sheet (ITB 7 Mandatory Selection / Eligibility / Responsiveness criteria)  5. SECP Incorporation certificate (if applicable)				

All the other terms & conditions of the tender bidding document shall remain the same

SAL

Procurement Specialist (MEC)
Monitoring & Evaluation Cell, P & D Department

Room No. 419 E, 3<sup>rd</sup> Floor, Tughlaque House, Sindh Secretariat No. 2, Karachi Phone No. 021-99211927 / 99211403

