

# **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
11. **Financial Bid Opening date:** 30-05-2023

## 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 Most Advantageous bidder in BOQ Items	
2	Al-Meo Builders & Developers, Karachi	274,744,821.83/-	274,564,871.8	2nd	-	Not Accepted. Firm has quoted high price	

### Signatures of the Members of the Committee

  
**Mosarrat Mokhtar**  
 Deputy Director (Inspection)  
 Industries & Commerce  
 Department  
 Member  
 Procurement Committee

  
**Ghulam Hassan Bughio**  
 Deputy Director(A&A)  
 MEC, Planning & Development  
 Department  
 Chairman  
 Procurement Committee

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

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

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

**ENGR. AURANGZEB VISTRO**  
 Regional Monitoring & Evaluation Officer (MEC)  
 Planning & 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 Monitoring Equipment

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

Opening Date: 30-May-2023

As per Tender/ Requirement				M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks	
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate	Amount	
1	Drones	4	Each	<b>Main features of the Product</b> 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	Brand: DJI Model: Mavic 3 Classic:	1504500.0	6018000.0	Brand: DJI Model: Phantom 4 Pro:	1680526.5	6722106.0	The Bid offered by M/s Asif & Company is comparatively lower.
2	WIRELESS CRACK WIDTH GAUGE	4	Each	<b>Features &amp; Specs</b> 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 <b>Specification</b> 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	Brand: IWINTESTIN G Model: F 230	1640370.0	6561480.0	Brand: MATEST Model: C 399	1809328.1	7237312.4	The Bid offered by M/s Asif & Company is comparatively lower

As per Tender/ Requirement					M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate	Amount	
3	Ultrasonic Pulse Velocity Meter,	8	Each	Measuring range: 0 - 3000 $\mu$ s - accuracy +/- 0.1 $\mu$ s 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	Brand: MATEST Model: C 369 N	1540669.0	12325352.0	Brand: MATEST Model: C 369 N	1720927.3	13767418.2	The Bid offered by M/s Asif & Company is comparatively lower
4	Portable Ultrasonic Thickness Gauge	4	Each	Measuring ranges from 0.039 to 8.85 in/1 to 225mm, Resolution: 0.01mm. you can get accurate ( $\pm 0.5\%t + 0.05$ mm) 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 backlight & 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.	Brand: Wintact Model: WT 100A	225000.0	900000.0	Brand: EVIDENT Model: 45 MG	254475.0	1017900.0	The Bid offered by M/s Asif & Company is comparatively lower



As per Tender/ Requirement					M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate	Amount	
5	Portable Ultrasonic Coating Thickness Gauge,	8	Each	Measuring range: 0 ~ 1500um/0~59mils, Accuracy: $\pm(3\%H+1\mu m)$ , Resolution of 0.1 mils Aluminum Calibration plates, Plastic shim test set, carrying case.	Brand: B.N.C Tooling Model: GTS 8202	545617.0	4364936.0	Brand: Defelkso Model: Positector 6000	614364.7	4914917.9	The Bid offered by M/s Asif & Company is comparatively lower
6	Portable Handheld Metal Locator	4	Each	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	616148.0	2464592.0	Brand: EIA Model: ALIS-RT	689469.6	2757878.4	The Bid offered by M/s Asif & Company is comparatively lower
7	Concrete Covermeter	6	Each	<b>Main Features</b> 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	3275975.0	19655850.0	Brand: Controls Model: B8-09A	3606848.5	21641090.9	The Bid offered by M/s Asif & Company is comparatively lower



As per Tender/ Requirement					M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate	Amount	
8	LASER MEASURING & MARKING EQUIPMENT LASER LEVEL	4	Each	<p><b>SPECIFICATIONS:</b></p> <p>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</p> <p>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</p> <p>Easy-to-use: A sliding on/off switch and two-button keypad enables one-handed control of the green laser level</p> <p>Precise results: For highly accurate measuring, the line level delivers precise results within <math>\pm 0.4</math> mm/m (lines) and <math>\pm 1.0</math> mm/m (plumb point)</p> <p>Self-levelling: The laser level can self-level up to <math>\pm 4</math></p>	Brand: DONGCHEN G Model: DFF06-41	365000.0	1460000.0	Brand: BOSCH Model: GLL-2-15 G	415735.0	1662940.0	The Bid offered by M/s Asif & Company is comparatively lower
9	LASER DISTANCE METER	4	Each	<p>Laser Measure includes multiple measurement capabilities such as area, distance, length, volume, continuous measurement, addition and subtraction. Measuring distance extends up to 135 feet</p> <p>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</p> <p>VISIBILITY: Laser Measure features a backlit screen for better visibility and resolution in dark work areas</p> <p>ACCURACY: measures to within <math>\pm 1/16</math> in. for extreme accuracy and precision</p>	Brand: UNI-T Model: LM40	389600.0	1558400.0	Brand: BOSCH Model: GLM40	439079.2	1756316.8	The Bid offered by M/s Asif & Company is comparatively lower

As per Tender/ Requirement				M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks	
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate		Amount
10	Thermometer for Asphalt, Bitumen & Concrete Bitumen Thermometer	6	Each	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 <b>OPTIONAL ACCESSORY "K-TYPE Thermocouple Wire &amp; Handle for above Bitumen Thermometer</b> k-Type Thermocouple Probe with Wire & Handle.	Brand: MN Measurement Instruments Model: DM6801-	144976.0	869856.0	Brand: MYZOX Model: AST10	135262.6	811575.7	The Bid offered by M/s Asif & Company is comparatively lower
11	Portable Water Quality Analyzer PH/MV Electronic Data Logger with Printer/ph Meter	4	Each	<b>Specification</b> 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	442926.1	1771704.3	Brand: TOA DK Model: P30	500063.5	2000254.2	The Bid offered by M/s Asif & Company is comparatively lower
12	High Quality Portable Pocket Type 5 in 1 TDC/EC/PH/S alinity/Temperature Meter	4	Each	This 4-in-1 meter measures Conductivity, Total Dissolved Solids (TDS), Salinity, and Temperature.	Brand: Multifunction Model: EZ-9909	161285.8	645143.2	Brand: AZ Instruments Model: 8721AZ	157898.8	631595.2	The Bid offered by M/s Asif & Company is comparatively lower



As per Tender/ Requirement				M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks	
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate		Amount
13	Electronic Tacheometer Type ZTS-420L8 complete with appropriate accessories for completing the job or Equivalent	4	Each	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, 1.No.	Brand: HI Target Model: ZTS -420L8	2329350.0	9317400.0	Brand: PENTAX Model: R200	2564614.4	10258457.4	The Bid offered by M/s Asif & Company is comparatively lower




As per Tender/ Requirement				M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks	
Sr #	Item Detail	Qty	Per Unit	Description	Item Qouted	Rate	Amount	Item Qouted	Rate		Amount
14	Traveling Beam Device:	4	Each	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 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.	Brand: MATEST Model: B098N	4091800.0	16367200.0	Brand: MATEST Model: B098N	6231811.4	24927245.6	The Bid offered by M/s Asif & Company is comparatively lower



As per Tender/ Requirement					M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate	Amount	
15	GASOLINE POWERED Portable Universal Core Drilling Machine	1	Each	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.	Brand: Lucky CM Model: OB.305B	2346799.0	2346799.0	Brand: KOR-IT Model: K-501-G25	3255010.2	3255010.2	The Bid offered by M/s Asif & Company is comparatively lower
16	UNDERGRO UND CABLE & PIPE LOCATOR	4	Each	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.	Brand: Leica Model: DD 100/200 Series	8064290.0	32257160.0	Brand: LEICA Model: DD130/230	10048105.3	40192421.4	The Bid offered by M/s Asif & Company is comparatively lower
17	Digital Vernier Calliper Specification:	4	Each	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.	Brand: INGCO Model: HD01150	91725.2	366900.8	Brand: LOUISEWAR E Model: RO-04	90817.1	363268.5	The Bid offered by M/s Asif & Company is comparatively lowe
18	Steel Diameter Gauge plate Specification:	4	Each	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.	Brand: HERCHR Model: 4809 INSIZE	59056.8	236227.2	Brand: HERCHR Model:	57674.9	230699.5	The Bid offered by M/s Asif & Company is comparatively lower

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



As per Tender/ Requirement				M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks	
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate		Amount
				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 (Diameter): 103 mm Horizontal Circle: 1° Automatic Compensator Accuracy: 0.3" Range: ± 15' Circular Bubble Sensitivity: ≤ 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: 1.71 kg Accessories included Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench Adjusting Pin, Aluminum Tripod stand & Aluminum staff pole							
21	Optical Measuring Instrument	2	Each		Brand: Pentax Model: AL-M Series	658500.0	1317000.0	Brand: PENTAX Model: ALM	733569.0	1467138.0	The Bid offered by M/s Asif & Company is comparatively lower

As per Tender/ Requirement					M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate	Amount	
22	Concrete Schmidt Hammer	4	Each	Concrete 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.	Brand: MATEST Model: IWIN-HT1225	407745.0	1630980.0	Brand: PCTE:	441587.8	1766351.4	The Bid offered by M/s Asif & Company is comparatively lower
23	Integrated Rebar Detector	2	Each	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) $\phi 6-\phi 50$ 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 $\geq 16h$ 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)	Brand: OBRK Model: R 900	1707650.0	3415300.0	Brand: UTEST Model: UTC-2082	1926229.2	3852458.4	The Bid offered by M/s Asif & Company is comparatively lower



As per Tender/ Requirement					M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate	Amount	
24	Concrete/Asphalt Cutter Saw	1	Each	"CUT DIAMOND" Rosad Cutter fitted with "KIPOR" 15HP Aircooled Diesel Engine, complete with 20 inch cutting blade	Brand: CUTSDIAM ANT Model: MC 500	1760700.0	1760700.0	Brand: CLIPPER Model: GC 55	1991351.7	1991351.7	The Bid offered by M/s Asif & Company is comparatively lower
25	Pressure Washer	2	Each	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"	Brand: Champion Model: 100382	656000.0	1312000.0	Brand: Champion Model: 100382	720288.0	1440576.0	The Bid offered by M/s Asif & Company is comparatively lower
26	Longitude and Latitude Measurement Device complete with appropriate accessories to complete the job	2	Each	<b>Features</b> 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 <b>Specification</b> 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 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	Brand: ZENITH Model: Geo Max/GNSS	8109595.0	16219190.0	Brand: HEMISPHERE Model: GNSS	9017075.2	18034150.4	The Bid offered by M/s Asif & Company is comparatively lower



As per Tender/ Requirement				M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks		
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate		Amount	
				LED Status & mode indicators: Positions, battery Bluetooth, RTK Receiver, RTK Transmitt, 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 + Tribtrach+ Tripod Stand + Fiber Pole								
				<b>Features &amp; specification</b> 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								
27	Doppler Flow Tester Handheld portable Ultrasonic- Doppler water flow meter	2	Each	Brand: Ultrasonic Model: TUF- 2000H	1157194.3	2314388.5	6.1	Brand: PULSAR Model: DFM	1304157.9	2608315.8	The Bid offered by M/s Asif & Company is comparatively lower	

As per Tender/ Requirement					M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate	Amount	
				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							
28	Concrete Compression Testing Machine "MATEST" (Italy) Model C055 OR EQUIVALEN	1	Each	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	7850500.0	7850500.0	Brand: TMI Model: CM 5000	8635550.0	8635550.0	The Bid offered by M/s Asif & Company is comparatively lower
29	Ultrasonic Thickness Gauge "SADT" Model SA40+ OR EQUIVALEN T	2	Each	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 to 300.0mm 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+	742200.5	1484400.9	Brand: SADT Model: SA 40+	843566.3	1690732.6	The Bid offered by M/s Asif & Company is comparatively lower





As per Tender/ Requirement				M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks	
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate		Amount
30	Optical Micrometer Type OM5 for completing the job or equivalent	2	Each	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.	Brand: SOKKIA Model: OM 5	2154775.5	4309551.0	Brand: SOKKIA Model: OM 5	2523242.1	5046484.2	The Bid offered by M/s Asif & Company is comparatively lower
31	On-site Handheld Android Data collector & recorder Type P8II for completing the job or equivalent	2	Each	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	Brand: e-Survey Model: P8II	1414910.0	2829820.0	Brand: e-Survey Model: P8II	1629976.3	3259952.6	The Bid offered by M/s Asif & Company is comparatively lower

As per Tender/ Requirement					M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate	Amount	
				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	4	Easch	<b>Product description</b> 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: Boscan Model: K-400M	518742.3	2074969.0	Brand: PK-SAFETY Model: GX-3R	594478.6	2377914.5	The Bid offered by M/s Asif & Company is comparatively lower

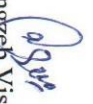


As per Tender/ Requirement				M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks			
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate		Amount		
				Main Features Dual waterproof camera for deep well inspection Dia 63mm x L570mm stainless steel 700TVL Camera 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 Buitlin 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									
33	Dual Bore inspection camera for bore/well with 300 Meter Cable type V10-BSC for completing the job or equivalent	2	Each		Brand: Mechatronics Model: V-10	14567300.0	29134600.0	Brand: SHENZHEN Model: V10-BCS	16111433.8	32222867.6	The Bid offered by M/s Asif & Company is comparatively lower		

As per Tender/ Requirement					M/s Asif & Company			M/s Al Meo Builders & Developers			Remarks
Sr #	Item Detail	Qty	Per Unit	Description	Item Quoted	Rate	Amount	Item Quoted	Rate	Amount	
				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							1200000.0			2245300.0	
Total Amount							198076208.8			232654594.8	
GST (if Applicable)							35653717.6			41910277.1	
Grand Total							233729926.3			274564871.8	

  
 Musarrat Mokhtar  
 Deputy Director (Inspection)  
 Industries & Commerce Deptt  
 (Member)  
 MUSARRAT MOKHTAR  
 Deputy Director (Inspection)  
 Industries & Commerce Department  
 Government of Sindh

  
 Ghulam Hassat 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)

**ENGR. AURANGZEB VISTRO**  
 Regional Monitoring & Evaluation Officer (MEC)  
 Planning & 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:	<u>Open Competitive Bidding (National Competitive Bidding) (Single Stage – Two Envelope)</u>
Description of work:	<b>“Procurement of Monitoring Equipment” against ADP scheme No. 2632 titled as “Strengthening &amp; Capacity Building of Regional Offices of M &amp; E Cell at Hyderabad &amp; Sukkur”</b>

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 Tuesday, 30<sup>th</sup> 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 checking	2% Bid Security amount submitted	Bid Security detail	Bank/Branch
1	Asif & Company, Karachi	233,729,926.34/-	233,729,926.34/-	5,000,000/-	BC06070197	Soneri Bank (0046)
2	Al-Meo Builders & Developers, Karachi	274,744,821.83/-	274,564,871.8	5,500,000/-	BC No.09862608	Bank Al-Habib (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
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 Most Advantageous bidder in BOQ Items	
2	Al-Meo Builders & Developers, Karachi	274,744,821.83/-	274,564,871.8	2nd	-	Not Accepted. Firm has quoted high price	

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.

PROCUREMENT COMMITTEE MEMBERS			
Name/Designation	Department		Signature
Ghulam Hassan Bughio Deputy Director (A&A)	MEC, P&D Deptt, Govt: of Sindh	Chairman	
Aurangzeb Vistro RMEO Karachi Region	MEC, P&D Deptt, Govt: of Sindh	Member/Secretary	
Musarrat Mokhtar Deputy Director (Inspection)	Industries & Commerce Deptt, Govt: of Sindh	Member	





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

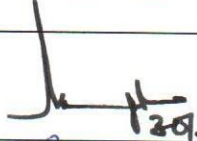
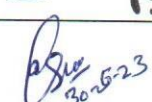
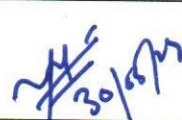
**ATTENDANCE SHEET**

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, 30<sup>th</sup> May, 2023

Opening Time: 11:30 am

PROCUREMENT COMMITTEE MEMBERS				
<u>Sr.No.</u>	<u>Name /Designation</u>	<u>Department</u>		<u>Signature</u>
1.	Ghulam Hassan Bughio, Deputy Director (A&A) (MEC)	M&E Cell, P&D Department, Govt: of Sindh	In Chair	 12/5/23
2.	Aurangzeb Vistro RMEO (Karachi Region),	M&E Cell, P&D Department, Govt: of Sindh	Member/ Secretary	 30/5/23
3.	Musarrat Mokhtar Deputy Director (Inspection)	Industeries & Commerce Department, Govt: of Sindh	Member	 30/5/23

## ATTENDANCE SHEET



(BIDDERS /REPRESENTATIVES)

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, 30<sup>th</sup> May, 2023

Opening Time: 11:30 am

Sr No	Firm Name	Rep Name	Contact No	Signature
1	Asif & Company	Danish	0312-8257519	
2	AI-MEO Builders	Khuzaim	03022278212	
3				







## MEETING NOTICE

No. AD(A&A)/052/MEC/P&D/2023 / 708  
GOVERNMENT OF SINDH  
PLANNING & DEVELOPMENT BOARD SINDH,  
(MONITORING & EVALUATION CELL)

Karachi, dated: 29<sup>th</sup> 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,**  
Bungalow No. B-133, Block-N,  
North Nazimabad,  
**Karachi.**

Subject: -

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

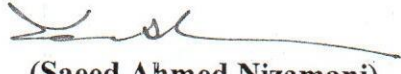
Ref

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.
- P.S. 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 Monitoring Equipment

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

Opening Date: 26-May-2025

As per Tender/ Requirement			As per Vendors		Remarks	
Sr #	Item Detail	Qty	Description	M/s Asif & Company		M/s Al-Meo Builders & Developers
1	Drones	4	<b>Main features of the Product</b> 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	Brand: DJI Model: Mavic 3 Classic	Brand: DJI Model: Phantom 4 Pro	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
2	WIRELESS CRACK WIDTH GAUGE	4	<b>Features &amp; Specs</b> 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  <b>Specification</b> Host parameters: Android system tablet Test scope: 0~10 mm Measurement accuracy: 0.01 mm Estimable 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	Brand: IWINTESTING Model: F 230	Brand: MATEST Model: C 399	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified



As per Tender/ Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
3	Ultrasonic Pulse Velocity Meter,	8	Measuring range: 0 - 3000 $\mu$ s - accuracy $\pm$ 0.1 $\mu$ s 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	Brand: MATEST Model: C 369 N	Brand: MATEST Model: C 369 N	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
4	Portable Ultrasonic Thickness Gauge	4	Measuring ranges from 0.039 to 8.85 in/1 to 225mm, Resolution: 0.01mm. you can get accurate ( $\pm$ 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.	Brand: Wintact Model: WT 100A	Brand: EVIDENT Model: 45 MG	BBoth Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
5	Portable Ultrasonic Coating Thickness Gauge,	8	Measuring range: 0 ~ 1500um/0~59mils, Accuracy: $\pm$ (3%H+1 $\mu$ m), Resolution of 0.1 mils Aluminum Calibration plates, Plastic shim test set, carrying case.	Brand: B.N.C Tooling Model: GTS 8202	Brand: Defelkso Model: PosiTector 6000	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified

As per Tender/ Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
6	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  <b>Main Features</b> 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: 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	Concrete Covermeter	6	<b>SPECIFICATIONS:</b> 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 $\pm 0.4$ mm/m (lines) and $\pm 1.0$ mm/m (plumb point) Self-levelling: The laser level can self-level up to $\pm 4$	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
8	LASER MEASURING & MARKING EQUIPMENT LASER LEVEL	4	<b>SPECIFICATIONS:</b> 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 $\pm 0.4$ mm/m (lines) and $\pm 1.0$ mm/m (plumb point) Self-levelling: The laser level can self-level up to $\pm 4$	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



As per Tender/ Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
9	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	6	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"	Brand: MN Measurement Instruments Model: DM6801-	Brand: MYZOX Model: AST10	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
11	Portable Water Quality Analyzer PH/MV Electronic Data Logger with Printer/ph Meter	4	<b>Specification</b> 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: HANNA Model: HI935005  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




As per Tender/ Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
12	High Quality Portable Pocket Type 5 in 1 TDC/EC/PH/Salinity /Temperature Meter	4	This 4-in-1 meter measures Conductivity, Total Dissolved Solids (TDS), Salinity, and Temperature.  Main features Measurement Method: Absolute encoding Minimum readout: 1"/5"/10" Accuracy: 2" Reflectless 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, 1.No.	Brand: Multifunction Model: EZ-9909	Brand: AZ Instruments Model: 8721AZ	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
13	Electronic Tacheometer Type ZTS-420L8 complete with Appropriate accessories for completing the job or Equivalent	4		Brand: HI Target Model: ZTS -420L8	Brand: PENTAX Model: R200	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified






As per Tender/ Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
14	Traveling Beam Device:	4	<p>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 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.</p> <p>The beam is supplied as three sub-assemblies which are quickly assembled on site.</p> <p>Dimension: 790x3200x1080 mm approx.  Weight: 55 kg approx.  ACCESSORIES  B098-01N  AUTOGRAPHIC RECORDING DEVICE</p> <p>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.</p> <p>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.</p> <p>Drilling range: Ø15-305mm  Rated voltage: 220V -  Rated power: 50-60Hz  Input power: 4550W  No-load speed: 380r / min</p>	Brand: MATEST Model: B098 N	Brand: MATEST Model: B098 N	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
15	GASOLINE POWERED Portable Universal Core Drilling Machine	1	<p>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.</p>	Brand: Lucky CM Model: OB.305B	Brand: KOR-IT Model: K-501-G25	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified

As per Tender/ Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
16	UNDERGROUND CABLE & PIPE LOCATOR	4	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.	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: 0.01 mm/ 0.0005 in. - Repeatability: 0.01mm/ 0.0005 in. - Maximum measurement speed: 1m/s;Power: 1 x 1.5V SR44 (silver oxide cell) battery.	Brand: INCCO Model: HDCCD01150	Brand: LOUISEWARE Model: RO-04	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
18	Steel Diameter Gauge plate Specification:	4	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.	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
19	Thermography Infrared IRT	4	Features & specs 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 techniques 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	Brand: Noyafa Model: NF-521	Brand: NOYAF A Model: NF-521	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified



As per Tender/ Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
20	Multi Function Digital Moisture Meter	1	<p>Digital Multi function moisture meter use for measuring the moisture content of Soil, Cement, Sand, Plater, Concrete and Mortar etc.</p> <p>Specification</p> <p>Display:4 digital LCD Measuring range :0-50% Operation condition: Temperature:0-60°C Humidity:5%-90%RH Resolution:0.1 Accuracy: ± 2%(Non- saturation condition) Power supply: 4x1.5 AAA size (UM-4)(not included) battery Dimensions:140mm×60mm×22mm Needle: 280mm Weight:210g</p> <p>Features &amp; specification</p> <p>High precision engineering auto level</p> <p>* Magnetically damped compensator that supports accurate instrument leveling</p> <p>* High resolution telescope for quick and clear target sighting</p> <p>* Designed and developed for best performance in various civil engineering and construction projects</p> <p>Magnification: 32 x</p> <p>Length of Tube: 218 mm</p> <p>Image: Erect</p> <p>Objective Aperture: 45 mm</p> <p>Field of View: 1°20'</p> <p>Resolution (JIS Standard) 2.5"</p> <p>Minimum Focus: 3 m (from the centre of the instrument)</p> <p>Focusing Know: 2 speed</p> <p>Stadia Ratio: 100</p> <p>Horizontal Circle (Diameter): 103 mm</p> <p>Horizontal Circle: 1°</p> <p>Automatic Compensator</p> <p>Accuracy: 0.3"</p> <p>Range: ± 15'</p> <p>Circular Bubble Sensitivity: ≤ 8'/2 mm</p> <p>Sighting Device: Collimator</p> <p>Standard Deviation: ± 0.7 mm</p> <p>(1km double run leveling)** ± 0.4 mm, Waterproof Grade: IPX6</p> <p>Size: 218 (L) x 132 (W) x 142 (H) mm</p> <p>Weight: 1.71 kg</p> <p>Accessories included</p> <p>Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench</p> <p>Adjusting Pin, Aluminum Tripod stand &amp; Aluminum staff pole</p>	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	2		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

As per Tender/ Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
22	Concrete Schmidt Hammer	4	<p>Concrete Test Hammer ASTM, EN, DIN, BS and NF Test Standards, Description &amp; Specification Type "N" range 10 to 70 N/mm<sup>2</sup> (100 to 700 kgf/cm<sup>2</sup>) Impact Energy 0.225 mJ (2.207 joules) Included certificate calibration by KAN For non-destructive strength testing of concrete and structural components.</p> <p>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.</p> <p>For testing thin walled structural components with a thickness of less than 10 cm or rock cores.</p> <p>Accessories included 1 x Test Hammer, 1 x Carbondum rubbing stone, 1 x Manual Operation, 1 x Carrying bag.</p>	Brand: MATEST Model: IWIN-HT225	Brand: PCTE:	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
23	Integrated Rebar Detector	2	<p>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.</p> <p>Specification Applicable range of Rebar (mm) <math>\phi 6 \sim \phi 50</math> 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 <math>\geq 16h</math> 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</p>	Brand: OBRK Model: R 900	Brand: UTEST Model: UTC-2082	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified



As per Tender/ Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
24	Concrete/Asphalt Cutter Saw	1	"CUT DIAMOND" Rosad Cutter fitted with "KIPOR" 15HP Aircooled Diesel Engine, complete with 20 inch cutting blade	Brand: CUTSDIAMANT Model: MC 500	Brand: CLIPPER Model: GC 55	BBoth Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
25	Pressure Washer	2	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"	Brand: Champion Model: 100382	Brand: CHAMPION Model: 100382	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
26	Longitude and Latitude Measurement Device complete with appropriate accessories to complete the job	2	<p><b>Features</b></p> <p>Quad-Penta Band, GSM/GPRS/UMTS, GPS, Glonass, BeiDou, Galileo and SBAS, Novatel GNSS Technology &amp; Q-Lock, all visible satellites are tracked with the highest possible sensitivity, IP68 dust &amp; water proof, shock and vibration resistance, complete control with receiver keypad, quick swappable sim and micro sd cards, Internal GSM/GPRS Antenna, External power &amp; radio port</p> <p><b>Specification</b></p> <p>Q-Lock Technology: Lowest noise &amp; 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</p> <p>SBAS: EGNOS, WAAS, MSAS, GAGAN</p> <p>Accuracy</p> <p>Static H/V (mm+ppm) : 3+0.5/5+0.5</p> <p>Static Long H/V (mm+ppm) : 3+0.1/3.5+0.4 Kinematic H/V Communication</p> <p>GSM/GPRS Module: Quad-Band GSM &amp; Penta- Band; UMTS 800/850/900/1900/2100 MHz</p> <p>Internal Antenna Communication Port: USB, Serial &amp; power Interfaces</p> <p>Keyboard: On/Off &amp; Function keys</p> <p>LED Status &amp; 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</p>	Brand: ZENITH Model: Geo Max/GNSS	Brand: HEMISPHERE Model: GNSS	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified

As per Tender/ Requirement			As per Vendors		Remarks	
Sr #	Item Detail	Qty	Description	M/s Asif & Company		M/s Al-Meo Builders & Developers
			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 + Tribraach+ Tripod Stand + Fiber Pole Handheld portable Ultrasonic Doppler water flow meter <b>Features &amp; specification</b> Measurement Accuracy: Flow $\pm 1\%$ , Heat $\pm 2\%$ 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 $\pm 1\%$ , 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			
27	Doppler Flow Tester	2		Brand: Ultrasonic Model: TUF-2000H	Brand: PULSAR Model: DFM 6.1	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified



As per Tender/ Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
28	Concrete Compression Testing Machine "MATEST" (Italy) Model C055 OR EQUIVALENT	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
29	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 to 300.0mm 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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As per Tender/Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
30	Optical Micrometer Type OM5 for completing the job or equivalent	2	<p><b>Engine Features</b></p> <p>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.</p> <p>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</p> <p><b>Features</b></p> <p>High performance CPU equipped with Octa-core 2.0 GHz processor and Android 9.0 System</p> <p>5" high capacitive screen with 1280x720 resolution</p> <p>With built-in 5200mAh lithium rechargeable and replaceable battery for full day working</p> <p>Dual Sim card with 4G Network</p> <p>All GNSS Constellation supported such as GPS, BDS, Galileo &amp; Glonass</p> <p>32GB Internal storage and supports SD Card expansion up to 128 GB</p> <p>With stylus pen to operate accurate even in rain mode.</p> <p>IP67 Dustproof &amp; waterproof</p> <p>System Specification</p> <p>Processor: MT6762, OS: Android 9.0, RAM: 3GB, ROM: 32GB</p> <p>Camera Specification</p> <p>REAR: 13MP, Flash Light: Supported, Auto Focusing: Supported</p> <p>Screen Specification</p> <p>Screen size: 5", Resolution: 1280x720, Density: 320 dpi, Brightness: 400 nits, Touch panel: Capacitive, TFT, Touch: 10 touch points</p> <p>GNSS Specification</p> <p>Channels: 72, Tracking: GPS, BDS, GLONASS, GALILEO, Accuracy: Single 1-3m</p> <p>Communication specification</p> <p>GSM, Wifi, Bluetooth SD Card, USB</p>	Brand: SOKKIA Model: OM 5	Brand: SOKKIA Model: OM5	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified
31	On-site Handheld Android Data collector & recorder Type P8II for completing the job or equivalent	2	<p>32GB Internal storage and supports SD Card expansion up to 128 GB</p> <p>With stylus pen to operate accurate even in rain mode.</p> <p>IP67 Dustproof &amp; waterproof</p> <p>System Specification</p> <p>Processor: MT6762, OS: Android 9.0, RAM: 3GB, ROM: 32GB</p> <p>Camera Specification</p> <p>REAR: 13MP, Flash Light: Supported, Auto Focusing: Supported</p> <p>Screen Specification</p> <p>Screen size: 5", Resolution: 1280x720, Density: 320 dpi, Brightness: 400 nits, Touch panel: Capacitive, TFT, Touch: 10 touch points</p> <p>GNSS Specification</p> <p>Channels: 72, Tracking: GPS, BDS, GLONASS, GALILEO, Accuracy: Single 1-3m</p> <p>Communication specification</p> <p>GSM, Wifi, Bluetooth SD Card, USB</p>	Brand: e-Survey Model: P8II	Brand: e-Survey Model: P8II	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified



As per Tender/ Requirement				As per Vendors		Remarks
Sr #	Item Detail	Qty	Description	M/s Asif & Company	M/s Al-Meo Builders & Developers	
32	Multiple Handheld Gas Monitor Detector Model K-400M or equivalent	4	<b>Product description</b> 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 <b>Main Features</b> 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 Built-in 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	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	Dual Bore inspection camera for bore/well with 300 Meter Cable type V10-BSC for completing the job or equivalent	2		Brand: Mechatronics Model: V-10	Brand: SHENZHEN Model: V10-BCS	Both Vendors i.e. M/s Asif & Company & M/s Al-Meo Builders & Developers are qualified

As per Tender/ Requirement			As per Vendors		Remarks	
Sr #	Item Detail	Qty	Description	M/s Asif & Company		M/s Al-Meo Builders & Developers
		1	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.			

  
 Musarrat Mokhtar  
 Deputy Director (Inspection)  
 Industries & Commerce Deptt  
 (Member)  
**MUSARRAT MOKHTAR**  
 Deputy Director (Inspection)  
 Industries & Commerce Department  
 Government of Sindh

  
 Ghulam Hassam Bughio  
 Deputy Director (A&A)  
 MEC, P&D Department  
 (Chairman)  
 Director  
 Monitoring & Evaluation Cell  
 Planning & Development Department  
 Government of Sindh  
 Karachi

  
 Aurangzeb Vistro  
 RMEO Karachi Region  
 MEC, P&D Department  
 (Member/Secretary)  
**ENGR. AURANGZEB VISTRO**  
 Regional Monitoring & Evaluation Officer (MEC)  
 Planning & Development Department  
 Government of Sindh  
 Karachi



## ELIGIBILITY 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 Monitoring Equipment

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

S. No	Particulars	M/s Asif & Company	M/s Al-Meo Builders & Developers
1	The bidder must have at least five (05) years of experience in similar nature of work / relevant field.	Yes	Yes
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)	Yes	Yes
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	Yes	Yes
4	Affidavit that firm is not Blacklisted and involved in any active litigation in Pakistan.	Yes	Yes
5	SECP Incorporation certificate (if applicable)	NA	NA
6	ISO 9001 certification	Yes	Yes
7	Has the bidder quoted for all items mentioned in Part-IV BOQ	Yes	Yes

  
Musarrat Mokhtar  
Deputy Director (Inspection)  
Industries & Commerce Deptt

(Member)

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

(Chairman)

  
Aurangzeb Vistro  
RMEO Karachi Region  
MEC, P&D Department

(Member/Secretary)

**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).

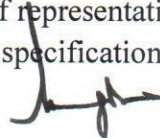
2. The meeting was attended by following participants of the procurement committee. (Attendance sheet is enclosed).

- 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.






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.

### PROCUREMENT COMMITTEE MEMBERS

Name/Designation	Department		Signature
Ghulam Hassan Bughio Deputy Director (A&A)	MEC, P&D Deptt, Govt: of Sindh	Chairman	
Aurangzeb Vistro RMEO Karachi Region	MEC, P&D Deptt, Govt: of Sindh	Member/Secretary	
Musarrat Mokhtar Deputy Director (Inspection)	Industries & Commerce Deptt, Govt: of Sindh	Member	



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

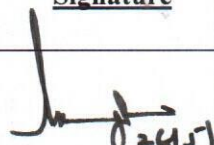
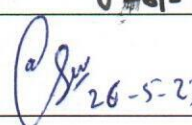

**ATTENDANCE SHEET**

**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, 26<sup>th</sup> May, 2023

**Opening Time:** 3:30 pm

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



## ATTENDANCE SHEET



(BIDDERS /REPRESENTATIVES)

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, 26<sup>th</sup> May, 2023

Opening Time: 3:30 pm

Sr No	Firm Name	Rep Name	Contact No	Signature
1	Asif S company	Danish	0312-8253519	
2	Al-mco builders	Khuram	03022278212	
3				
4				
5				
6				
7				

Account Payee Only



**Soneri Bank**  
Roshan Har Qadam

Gulshan Blk 7 Br.-0046

Banker Cheque No. **BC 06070197**  
Ref. No: **FT23145C9NFG**  
**6070197**

Pay to DDO "STRENGTHENING & CAPACITY BUILDING OF REGIONAL OFFICES OF\*\*\*\*\* or Order  
M & E CELL AT HYDERABAD & SUKKUR"

Rupees FIVE MILLION ONLY

2	5	0	5	M	2	Y	3	Y
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PKR

\*\*\*\*5,000,000.00\*\*

Please do not write below this line.

Payable at any Soneri Bank branch.

  
Authorized Signatory  
PA No.

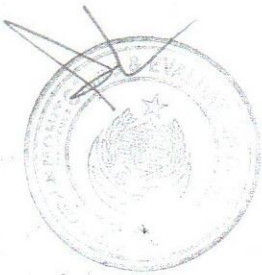
  
Authorized Signatory  
PA No.

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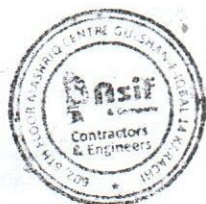


**PART-IV**

**TECHNICAL SPECIFICATIONS AND  
BILL OF QUANTITIES FOR THE WORK**



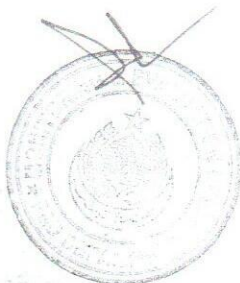
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MONITORING EQUIPMENTS					
Sr #	ITEM DESCRIPTION	QTY	RATE	UNIT	AMOUNT
1	<b>DRONES</b> <i>DJI /Mavic 3 classic</i> <b>Main features of the Product</b> 1" 20MP CMOS Sensor Gimbal-Stabilized 4K 60/20MP Imaging Flight Autonomy with Redundant Sensors Four 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	1504,500.00	Each	6018,000.00
2	<b>WIRELESS CRACK WIDTH GAUGE</b> <b>Features &amp; Specs</b> <i>IWIN TESTING/F230</i> 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 <b>Specification</b> 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	1640,770.00	Each	6561,480.00
3	<b>ULTRASONIC PULSE VELOCITY METER</b> <b>Technical Parameters</b> <i>Matest/C 369N</i> Measuring range: 0 - 3000 $\mu$ s - accuracy $\pm$ 0.1 $\mu$ s 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 500mA. Case dimensions: 400x340x110 mm	08	1540,669.00	Each	12,325,352.00



4	<b>PORTABLE ULTRASONIC THICKNESS GAUGE</b> Measuring ranges from 0.039 to 8.85 in/1 to 225mm, Resolution: 0.01mm. you can get accurate ( $\pm 0.5\%H + 0.05\text{mm}$ ) readings in inch or mm in 0.5 seconds. <i>Wintact / WT 100 A</i> 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	<b>PORTABLE ULTRA SONIC COATING THICKNESS GAUGE</b> <i>B.N.C Tooling / GTS 8202</i> 1. Measuring range: 0 ~ 1500um/0~59mils, Accuracy: $\pm(3\%H + 1\mu\text{m})$ , 2. Resolution of 0.1 mils 3. Aluminum Calibration plates, Plastic shim test set, carrying case.	08	545,617.00	Each	4364,936.00
6	<b>PORTABLE HANDHELD METAL LOCATOR</b> <i>Smart Sensor / MD-300II</i> 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	616,148.00	Each	2,464,592.00
7	<b>CONCRETE COVERMETER</b> <i>Controls / BS 1881-204</i> 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 & earphone socket	06	327,597.50	Each	19,655,850.00



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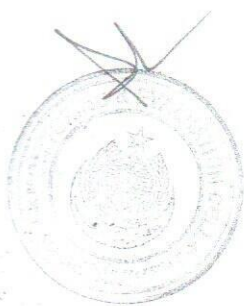




8	<b>LASER MEASURING &amp; MARKING EQUIPMENT LASER LEVEL</b> <b>DongCheng/ DFF06-41</b> The laser level has one horizontal 360 Degree and two vertical laser lines in a 90 Degree angle, plus one plumb down point, for the most useful laser configurations in one tool Up to 4x better visibility: With green 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 $\pm 0.4$ mm/m (lines) and $\pm 1.0$ mm/m (plumb point) Self-levelling: The laser level can self-level up to $\pm 4$	04	365,000.00	Each	1,460,000.00
9	<b>LASER DISTANCE METER</b> <b>UNI-T / LM40</b> 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 $\pm 1/16$ in. for extreme accuracy and precision	04	389,600.00	Each	1,558,400.00
10	<b>THERMOMETER FOR ASPHALT, BITUMEN &amp; CONCRETE BITUMEN THERMOMETER WITH ACCESSORY</b> <b>MN Measurement Instruments</b> <b>DM6801</b> 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 <b>HANNA/ HI935005</b> <b>OPTIONAL ACCESSORY "K-TYPE Thermocouple with Wire &amp; Handle for above Bitumen Thermometer k-Type Thermocouple Probe with Wire &amp; Handle.</b>	06	144,976.00	Each	869,856.00



11	<b>Portable Water Quality Analyzer PH/MV Electronic Data Logger with Printer/phMeter</b> <b>Specification</b> <i>Az Instrument / AZ 9861</i> Measuring Range: 0 to 14pH-1999 to 2000mV Accuracy: $\pm(0.01\text{pH} + 1 \text{ dgt.}) \pm(2\text{mV} + 1 \text{ dgt.})$ Resolution: 0.01pH - 0.1/1mV Temperature Measuring Range: 32 to 230°F (0 to 110°C) Accuracy: $\pm 0.4^\circ\text{F}$ (0.2°C) +1 dgt. Resolution: 0.1°F (0.1°C) Auto Shut-off Low Battery Indicator	04	442,926.08	Each	1,771,704.32
12	<b>High Quality Portable Pocket Type 5 in 1 Meter TDS/EC/PH/Salinity/Temperature Meter</b> <b>Multi Function / EZ-9909</b> This 4-in-1 meter measures Conductivity, Total dissolved Solids (TDS), Salinity & Temperature	04	161,285.80	Each	645,143.20
13	<b>ELECTONIC TACHOMETER</b> <b>TYPE ZTS-420 L8 COMPLETE WITH APPROPRIATE ACCESSORIES FOR COMPLETING THE JOB OR EQUIVALENT</b> <b>HI-Target / ZTS-420L8</b> <b>Main features</b> 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, 1.No.	04	232,9350.00	Each	937,400.00



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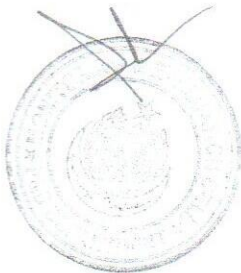




14	<b>TRAVELING BEAM DEVICE</b>  Used to detect and check any irregularity in both bituminous and concrete road surfaces. The unit consists essentially of a 3-meter-long beam fixed on two rigid wheels at the extremities. In the middle of the beam a sensing unit comprising a wheel connected to an indicator 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.  <b>ACCESSORIES</b> <i>Matest / B098N</i> B098-01N <b>AUTOGRAPHIC RECORDING DEVICE</b> 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. <b>SPARES</b> 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	<i>409,800.00</i>	Each	<i>16,367,200.00</i>
15	<b>GASOLINE POWERED PORTABLE UNIVERSAL CORE DRILLING MACHINE</b> <i>Lucky CM / OB.305B</i>  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	<i>2,346,799.00</i>	Each	<i>2,346,799.00</i>
16	<b>UNDERGROUND CABLE &amp; PIPE LOCATOR</b> <i>Leica/DD100/200 Series</i> 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	<i>8,064,290.00</i>	Each	<i>32,257,160.00</i>
17	<b>DIGITAL VERNIER CALLIPERS SPECIFICATION:</b> 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. <i>INGCO / HD001150</i>	04	<i>91,725.20</i>	Each	<i>366,900.80</i>

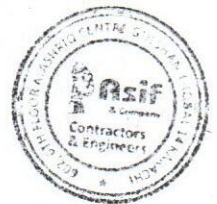


18	<b>STEEL DIAMETER GAUGEPLATE SPECIFICATION</b> Item Type: Diameter Gage Material: Stainless Steel <b>INSIZE/HERCHR</b> <b>STAINLESS STEEL WIRE WELDING GAUGE:</b> Metal sheets welding thickness gauge is made of high quality stainless steel, sturdy and durable, an useful measuring tool for help you save time and material.	04	59,056.51	Each	236,227.24
19	<b>THERMOGRAPHY INFRA RED IRT</b> 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	243,950.00	Each	975,800.00
20	<b>MULTI FUNCTION DIGITAL MOISTURE METER</b> <b>TSINGTAO PMS 710 / China</b> 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 Resolution:0.1 Accuracy: ± 2% (Non- saturation condition) Power supply: 4x1.5 AAA size (UM-4)(not included) battery Dimensions:140mm×60mm×22mm Needle: 280mm Weight:210g	01	185,402.00	Each	185,402.00



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<p>21</p>	<p><b>OPTICAL MEASURING INSTRUMENT</b>  Features &amp; 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 (Diameter): 103 mm  Horizontal Circle: 1°  Automatic Compensator  Accuracy: 0.3"  Range: ± 15'  Circular Bubble Sensitivity: ≤ 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: 1.71 kg  Accessories included  Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench  Adjusting Pin, Aluminum Tripod stand &amp; Aluminum staff pole</p> <p><i>Pentax/AL-M series</i></p>	<p>02</p>	<p>658,500.00</p>	<p>Each</p>	<p>1,317,000.00</p>
<p>22</p>	<p><b>CONCRETE SCHIMDT HAMMER</b>  Concrete Test hammer ASTM, EN, DM, BS and NF Test standards  Description &amp; 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 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, 1xcarbendum rubbing stone, 1 x Manual operation, 1 x carrying bag</p> <p><i>Matest / IWIN-HT225</i></p>	<p>04</p>	<p>407,745.00</p>	<p>Each</p>	<p>1,639,980.00</p>





**INTEGRATED REBAR DETECTOR**

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)  $\phi 6 \sim \phi 50$   
 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  $\geq 16h$   
 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

OBRK/R900

02

1,707,650.00

Each

3,415,300.00

23

**CONCRETE / ASPHALT CUTTER SAW**

'CUT DIAMOND' Rosad Cutter fitted with 'Kipor' 15HP Air-cooled Diesel Engine complete with 20 inch cutting blade

Cuts Diamant / MC 500

01

1,760,700.00

Each

1,760,700.00

24

**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"

Champion / 100382

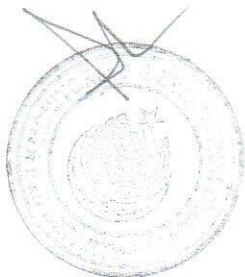
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656,000.00

Each

1,312,000.00

25



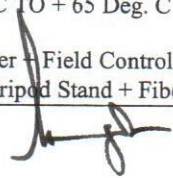
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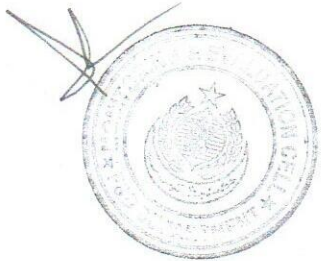
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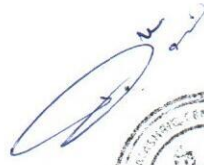
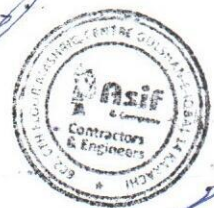
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26	<p><b>LONGITUDE AND LATITUDE MEASURING DEVICE COMPLETE WITH APPROPRIATE ACCESSORIES TO COMPLETE THE JOB</b></p> <p>Features Quad-Penta Band, GSM/GPRS/UMTS, GPS, Glonass, BeiDou, Galileo and SBAS, Novatel GNSS Technology &amp; Q-Lock, all visible satellites are tracked with the highest possible sensitivity, IP68 dust &amp; water proof, shock and vibration resistance, complete control with receiver keypad, quick swappable sim and micro sd cards, Internal GSM/GPRS Antenna, External power &amp; radio port</p> <p>Specification Q-Lock Technology: Lowest noise &amp; 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 &amp; Penta- Band; UMTS 800/850/900/1900/2100 MHz Internal Antenna Communication Port: USB, Serial &amp; power Interfaces Keyboard: On/Off &amp; Function keys LED Status &amp; 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</p>	02	8,109,595.00	Each	16,219,190.00
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**DOPPLER FLOW TESTER**

Handheld portable Ultrasonic Doppler water flow meter  
 Features & specification  
 Measurement Accuracy: Flow  $\pm 1\%$ , Heat  $\pm 2\%$   
 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  $\pm 1\%$ , 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

27

02

1157,194.25

Each

2,214,388.50

Ultra Sonic / TUF-2000H

**CONCRETE COMPRESSION TESTING MACHINE 'MATEST' 'ITALY) MODEL C055 OR EQUIVALENT**

Compression machine 2000 KN motorized with Digital Control Unit to test cubes up to 150 mm side and cylinders up to dia 160x320 mm

28

01

7950,500.00

Each

7950,700.00

Matest / C055

**ULTRASONIC THICKNESS GAUGE '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 to 300.0mm  
 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

SADT / SA 40

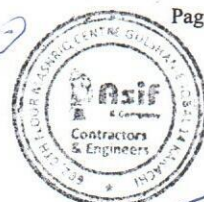
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02

742,200.45

Each

1,484,400.90





30	<b>OPTICAL MICROMETER TYPE OM5 FOR COMPLETEING THE JOB OR EQUIVALENT ENGINE FEATURES</b> <i>Sokkia / OM5</i> <p>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.</p>	02	2,54,775.50	Each	4,309,551.00
31	<b>ON-SITE HANDHELD/ANDROID DATA COLLECTOR &amp; RECORDER TYPE P8 I FOR COMPLETING THE JOB OR EQUIVALENT</b> <i>E-survey / P8 II</i> <p>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</p> <p>Features</p> <p>High performance CPU equipped with Octa-core 2.0 GHz processor and Android 9.0 System</p> <p>5" high capacitive screen with 1280x720 resolution</p> <p>With built-in 5200mAh lithium rechargeable and replaceable battery for full day working</p> <p>Dual Sim card with 4G Network</p> <p>All GNSS Constellation supported such as GPS, BDS, Galileo &amp; Glonass</p> <p>32GB Internal storage and supports SD Card expansion up to 128 GB</p> <p>With stylus pen to operate accurate even in rain mode.</p> <p>IP67 Dustproof &amp; waterproof</p> <p>System Specification</p> <p>Processor: MT6762, OS: Android 9.0, RAM: 3GB, ROM: 32GB</p> <p>Camera Specification</p> <p>REAR: 13MP, Flash Light: Supported, Auto Focusing: Supported</p> <p>Screen Specification</p> <p>Screen size: 5", Resolution: 1280x720, Density: 320 dpi, Brightness: 400 nits,</p> <p>Touch panel: Capacitive, TFT, Touch: 10 touch points</p> <p>GNSS Specification</p> <p>Channels: 72, Tracking: GPS, BDS, GLONASS, GALILEO, Accuracy: Single 1-3m</p> <p>Communication specification</p> <p>GSM, Wifi, Bluetooth SD Card, USB</p>	02	1,414,910.00	Each	2,829,820.00
32	<b>MULTIPLE HANDHELD GAS MONITOR DETECTOR MODEL K-400M OR EQUIVALENT</b> <i>Bosean / K-400M</i> <ol style="list-style-type: none"> <li>1. Power: 6x1.5V AA included</li> <li>2. Frequency: 7.5 KHz</li> <li>3. Current Standby: 65mA Max: 150mA</li> <li>4. Voltage: 7.2-9.6V</li> <li>5. Operating Temperature: -20 to +60</li> <li>6. Sensitivity: US 50 Cent: 200mm</li> <li>7. Indication Model: LCD Mode</li> <li>8. Stretch Length: 23-31 inches</li> <li>9. Detector Diameter: 8.3 inches</li> </ol>	04	519,742.25	Each	2,074,969.00



**DUAL BORE INSPECTION CAMERA FOR BORE/WELL  
WITH 300 METER CABLE TYPE V10-BSC FOR  
COMPLETING THE JOB OR EQUIVALENT**

*Vicam Mechatronics/V10*

**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  
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  
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.

33

02

*14,567,200.00*

Each

*29,134,600.00*

**Installation, Calibration and  
Service Charge**

*1,200,000.00*

**Total Amount**

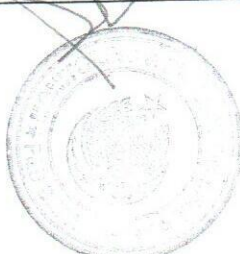
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**18%  
GST (If applicable)**

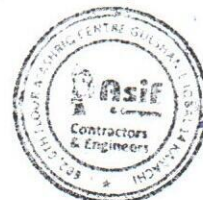
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**Grand Total**

*23,372,926.34*



*Handwritten signatures and initials.*

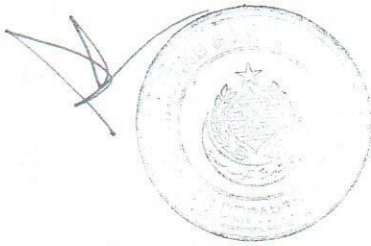


**Stamp & Signature**

**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 bidding documents	within three (03) months after contract signing	<b>Assistant Director (A&amp;A)(MEC)</b> 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





Account Payee Only

# Bank AL Habib Limited

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

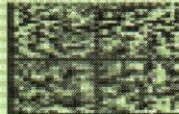
**NOT OVER PKR 5,500,000.00 ONLY**

Pay to DDO "STRENGTHENING & CAPACITY BUILDING OF REGIONAL or Order  
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**

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PKR

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

Signatory

PA/Attorney No

Signatory

PA/Attorney No

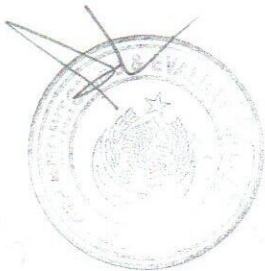
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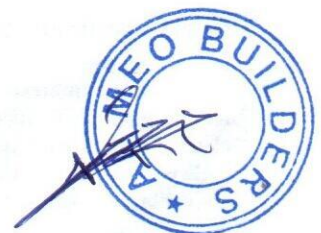
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**PART-IV**

**TECHNICAL SPECIFICATIONS AND  
BILL OF QUANTITIES FOR THE WORK**



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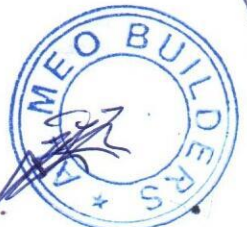




MONITORING EQUIPMENTS					
Sr #	ITEM DESCRIPTION	QTY	RATE	UNIT	AMOUNT
1	<b>DRONES</b> <i>DJI-Phantom 4 Pro</i> <b>Main features of the Product</b> 1" 20MP CMOS Sensor Gimbal-Stabilized 4K 60/20MP Imaging Flight Autonomy with Redundant Sensors Four Directions of Obstacle Avoidance Top Speed of 44 mph 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	<i>1680,526.50</i>	Each	<i>6722,106.00</i>
2	<b>WIRELESS CRACK WIDTH GAUGE</b> <b>Features &amp; Specs</b> <i>MATEST-C399</i> 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 <b>Specification</b> 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	<i>1809328.11</i>	Each	<i>723732.44</i>
3	<b>ULTRASONIC PULSE VELOCITY METER</b> <i>MATEST-C369N</i> <b>Technical Parameters</b> Measuring range: 0 - 3000 $\mu$ s - accuracy +/- 0.1 $\mu$ s 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	<i>1720927.27</i>	Each	<i>13767,418.18</i>

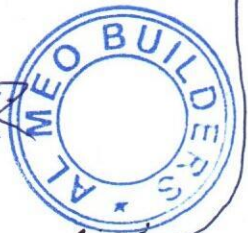


4	<b>PORTABLE ULTRASONIC THICKNESS GAUGE</b> <b>EVIDENT - 45M9</b> Measuring ranges from 0.039 to 8.85 in/1 to 225mm, Resolution: 0.01mm. you can get accurate ( $\pm 0.5\%H + 0.05\text{mm}$ ) readings in inch or mm in 0.5 seconds. Sound velocity from 1000 to 9999m/s Multi-Functional: 2.4" HD color screen 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	254,475.00	Each	1017,900.00
5	<b>PORTABLE ULTRA SONIC COATING THICKNESS GAUGE</b> <b>DEFELSKO-6000</b> 1. Measuring range: 0 ~ 1500um/0~59mils, Accuracy: $\pm(3\%H + 1\mu\text{m})$ , 2. Resolution of 0.1 mils 3. Aluminum Calibration plates, Plastic shim test set, carrying case.	08	614,364.74	Each	4914,917.94
6	<b>PORTABLE HANDHELD METAL LOCATOR</b> <b>EIA-ALIS-RT</b> 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	689,469.61	Each	2757878.45
7	<b>CONCRETE COVERMETER</b> <b>CONTRAS 38-09A</b> 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 & earphone socket	06	360,684.48	Each	21,641,090.85





8	<b>LASER MEASURING &amp; MARKING EQUIPMENT LASER LEVEL</b> <b>BOSCH</b> 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 $\pm 0.4$ mm/m (lines) and $\pm 1.0$ mm/m (plumb point) Self-levelling: The laser level can self-level up to $\pm 4$	04	415,735.00	Each	1,662,940.00
9	<b>LASER DISTANCE METER</b> <b>BOSCH-GLM40</b> Laser Measure includes multiple measurement capabilities such as area, distance, length, volume, continuous measurement, addition and subtraction. Measuring distance extends up to 135 feet  <b>MEMORY:</b> 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  <b>VISIBILITY:</b> Laser Measure features a backlit screen for better visibility and resolution in dark work areas  <b>ACCURACY:</b> measures to within $\pm 1/16$ in. for extreme accuracy and precision	04	439,079.20	Each	1,756,316.80
10	<b>THERMOMETER FOR ASPHALT, BITUMEN &amp; CONCRETE BITUMEN THERMOMETER WITH ACCESSORY</b> <b>M-YZOX-AST 10</b> 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  <b>OPTIONAL ACCESSORY "K-TYPE Thermocouple with Wire &amp; Handle for above Bitumen Thermometer k-Type Thermocouple Probe with Wire &amp; Handle.</b>	06	135,262.61	Each	811,515.65



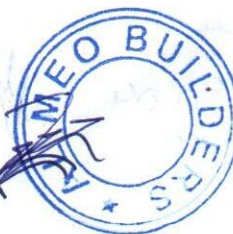


11	<b>Portable Water Quality Analyzer PH/MV Electronic Data Logger with Printer/phMeter</b>  <b>TOADK-P30</b>  <b>Specification</b> Measuring Range: 0 to 14pH-1999 to 2000mV Accuracy: $\pm(0.01\text{pH} + 1 \text{ dgt.}) \pm(2\text{mV} + 1 \text{ dgt.})$ Resolution: 0.01pH - 0.1/1mV Temperature Measuring Range: 32 to 230°F (0 to 110°C) Accuracy: $\pm 0.4^\circ\text{F}$ (0.2°C) +1 dgt. Resolution: 0.1°F (0.1°C) Auto Shut-off Low Battery Indicator	04	500,063.54	Each	2,000,254.18
12	<b>High Quality Portable Pocket Type 5 in 1 Meter TDS/EC/PH/Salinity/Temperature Meter</b>  <b>AZ INSTRUMENTS 8721 AZ</b> This 4-in-1 meter measures Conductivity, Total dissolved Solids (TDS), Salinity & Temperature	04	157,898.80	Each	631,595.19
13	<b>ELECTONIC TACHOMETER</b> <b>TYPE ZTS-420 L8 COMPLETE WITH APPROPRIATE ACCESSORIES FOR COMPLETING THE JOB OR EQUIVALENT</b>  <b>Main features</b> 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, 1.No.	04	2564,614.35	Each	10,258,457.40



*Signature*

*Signature*





14	<b>TRAVELING BEAM DEVICE</b>  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.  <b>ACCESSORIES</b> B098-01N <b>AUTOGRAPHIC RECORDING DEVICE</b> 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. <b>SPARES</b> 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	623,181.40	Each	24,927,245.60
15	<b>GASOLINE POWERED PORTABLE UNIVERSAL CORE DRILLING MACHINE</b>  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	325,5010.21	Each	325,5010.21
16	<b>UNDERGROUND CABLE &amp; PIPE LOCATOR</b>  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	100,481,05.34	Each	40,192,421.36
17	<b>DIGITAL VERNIER CALLIPERS SPECIFICATION:</b> 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	90817.12	Each	363,268.48



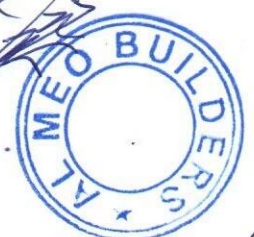
18	<b>STEEL DIAMETER GAUGEPLATE SPECIFICATION</b>  Item Type: Diameter Gage Material: Stainless Steel <b>STAINLESS STEEL WIRE WELDING GAUGE:</b> Metal sheets welding thickness gauge is made of high quality stainless steel, sturdy and durable, an useful measuring tool for help you save time and material. <i>HERCHER</i>	04	51,674.88	Each	230,699.52
19	<b>THERMOGRAPHY INFRA RED IRT</b>  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 <i>NOYATA NF-S21</i>	04	278,346.95	Each	111,3387.80
20	<b>MULTI FUNCTION DIGITAL MOISTURE METER</b>  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 Resolution:0.1 Accuracy: ± 2%(Non- saturation condition) Power supply: 4x1.5 AAA size (UM-4)(not included) battery Dimensions:140mm×60mm×22mm Needle: 280mm Weight:210g <i>CFINA</i>	01	203,756.80	Each	203,756.80



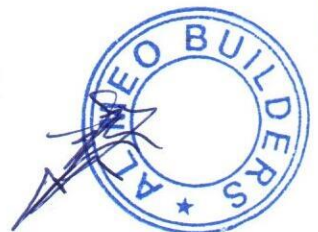
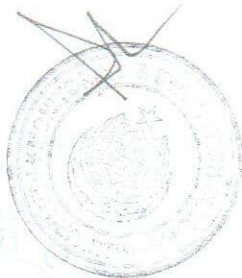
## Bidding Documents

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

21	<b>OPTICAL MEASURING INSTRUMENT</b> 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 (Diameter): 103 mm Horizontal Circle: 1° Automatic Compensator Accuracy: 0.3" Range: ± 15' Circular Bubble Sensitivity: ≤ 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: 1.71 kg Accessories included Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench Adjusting Pin, Aluminum Tripod stand & Aluminum staff pole  <b>CONCRETE SCHMIDT HAMMER</b> 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 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 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	02	133,569.00	Each	146,7138.00
22	 <b>CONCRETE SCHMIDT HAMMER</b> 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 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 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	04	44,587.84	Each	376,351.34



23	<b>INTEGRATED REBAR DETECTOR</b>  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. <b>Specification</b> Applicable range of Rebar (mm) $\phi 6 \sim \phi 50$ 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 $\geq 16h$ 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  <i>U TEST</i> <i>UTC-2082</i>	02	<i>1926229.20</i>	Each	<i>3852458.40</i>
24	<b>CONCRETE / ASPHALT CUTTER SAW</b> ‘CUT DIAMOND’ Rosad Cutter fitted with ‘Kipor’ 15HP Air-cooled Diesel Engine complete with 20 inch cutting blade  <i>CLIPPER-GC55</i>	01	<i>1991351.70</i>	Each	<i>1991351.70</i>
25	<b>PRESSURE WASHER</b> 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”  <i>CHAMPION</i>	02	<i>720288.00</i>	Each	<i>1440576.00</i>





**LONGITUDE AND LATITUDE MEASURING DEVICE  
COMPLETE WITH APPROPRIATE ACCESSORIES TO  
COMPLETE THE JOB**

**Features**

**HEMISPHERE-GNSS**  
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+0.1/3.5+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

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 + Tribach+ Tripod Stand + Fiber Pole

26

02

Each

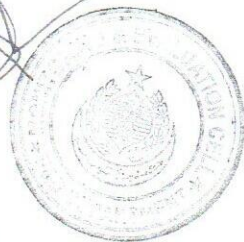
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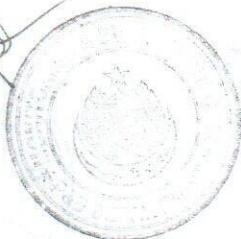




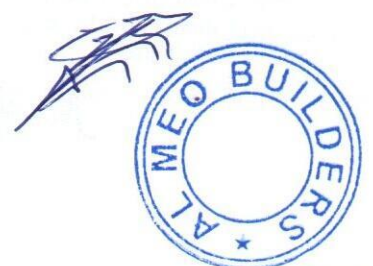
27	<b>DOPPLER FLOW TESTER</b>  Handheld portable Ultrasonic Doppler water flow meter Features & specification Measurement Accuracy: Flow $\pm 1\%$ , Heat $\pm 2\%$ Sensor Probe Measurement Range: DN15-100mm(TS-2)/DN50 700mm(TM-1)/DN300-6000mm(TL-1) Power supply mode: Rechargeable battery power supply (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 $\pm 1\%$ , 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  <i>RULSAR DFM 6-1</i>	02	<i>1304157.92</i>	Each	<i>2608315.84</i>
28	<b>CONCRETE COMPRESSION TESTING MACHINE 'MATEST' 'ITALY' MODEL C055 OR EQUIVALENT</b>  Compression machine 2000 KN motorized with Digital Control Unit to test cubes upto 150 mm side and cylinders up to dia 160x320 mm  <i>TME - CM 5000</i>	01	<i>863550.00</i>	Each	<i>863550.00</i>
29	<b>ULTRASONIC THICKNESS GAUGE 'SADT' MODEL SA40+ OR EQUIVALENT</b>  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 to 300.0mm 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  <i>SADT SA40T</i>	02	<i>845366.31</i>	Each	<i>2690732.63</i>



30	<b>OPTICAL MICROMETER TYPE OM5 FOR COMPLETEING THE JOB OR EQUIVALENT ENGINE FEATURES</b> <b>SOKKIA OM5</b> 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	2,52,242.11	Each	5046,484.22
31	<b>ON-SITE HANDHELD/ANDROID DATA COLLECTOR &amp; RECORDER TYPE P8 I FOR COMPLETING THE JOB OR EQUIVALENT</b> <b>E-SURVEY P811</b> 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	1,62,9976.32	Each	3,259,952.64
32	<b>MULTIPLE HANDHELD GAS MONITOR DETECTOR MODEL K-400M OR EQUIVALENT</b> <b>PL-SAFETY</b> <b>CV-3R</b> 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	594,478.62	Each	2,377,914.47



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### 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  
 Built-in 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  
 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: Built-in 128GB SSD or USB Device  
 On Screen depth encoder temperature & direction.

SHENZHEN  
V10-BSC

02

Each

Installation, Calibration and Service Charge

22,45,300.00

Total Amount

23,28,345.77

GST (If applicable)

23,26,545.94.8  
41,910.27.06

Grand Total

27,47,448.21.83

27,45,648.71.8

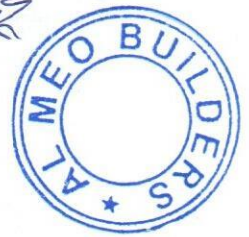
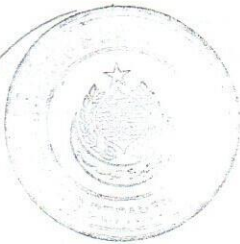
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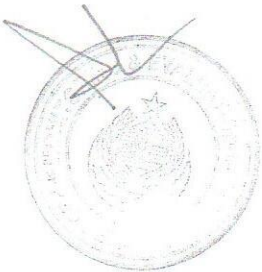


**Part-V****SCHEDULE OF REQUIREMENTS**

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	<b>Assistant Director (A&amp;A)(MEC)</b> 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**

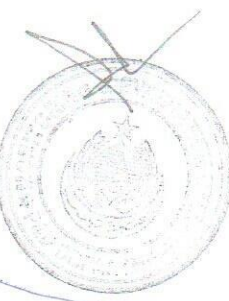


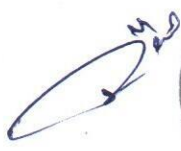
MONITORING EQUIPMENTS					
Sr #	ITEM DESCRIPTION	QTY	RATE	UNIT	AMOUNT
1	<b>DRONES</b> <i>DJI /Mavic 3 classic</i> <b>Main features of the Product</b> 1" 20MP CMOS Sensor Gimbal-Stabilized 4K 60/20MP Imaging Flight Autonomy with Redundant Sensors Four Directions of Obstacle Avoidance Top Speed of 44 mph 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	<b>WIRELESS CRACK WIDTH GAUGE</b> <b>Features &amp; Specs</b> <i>IWINTESTING / F230</i> 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  <b>Specification</b> 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	
3	<b>ULTRASONIC PULSE VELOCITY METER</b> <b>Technical Parameters</b> <i>Matest / C369N</i> Measuring range: 0 - 3000 $\mu$ s - accuracy +/- 0,1 $\mu$ s 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		Each	



## Bidding Documents

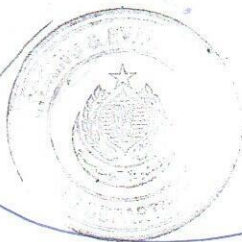
4	<b>PORTABLE ULTRASONIC THICKNESS GAUGE</b> <i>Wintact / WT100A</i> Measuring ranges from 0.039 to 8.85 in/1 to 225mm, Resolution: 0.01mm. you can get accurate ( $\pm 0.5\%H + 0.05\text{mm}$ ) readings in inch or mm in 0.5 seconds. Sound velocity from 1000 to 9999m/s Multi-Functional: 2.4" HD color 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	<b>PORTABLE ULTRA SONIC COATING THICKNESS GAUGE</b> <i>B.N.C Tooling / GT58202</i> 1. Measuring range: 0 ~ 1500um/0~59mils, Accuracy: $\pm(3\%H + 1\mu\text{m})$ , 2. Resolution of 0.1 mils 3. Aluminum Calibration plates, Plastic shim test set, carrying case.	08		Each	
6	<b>PORTABLE HANDHELD METAL LOCATOR</b> 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 <i>Smart Sensor / MD-3010II</i>	04		Each	
7	<b>CONCRETE COVERMETER</b> 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 & earphone socket <i>Controls / BS 1881-204</i>	06		Each	

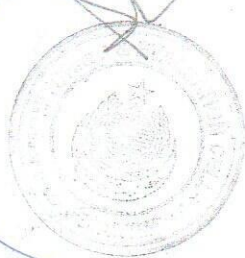





8	<b>LASER MEASURING &amp; MARKING EQUIPMENT LASER LEVEL</b> <b>DONGCHENG / DFF06-41</b> The laser level has one horizontal 360 Degree and two vertical laser lines in a 90 Degree angle, plus one plumb down point, for the most useful laser configurations in one tool Up to 4x better visibility: With green 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 $\pm 0.4$ mm/m (lines) and $\pm 1.0$ mm/m (plumb point) Self-levelling: The laser level can self-level up to $\pm 4$	04		Each	
9	<b>LASER DISTANCE METER</b> <b>UNIT / LM40</b> 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 $\pm 1/16$ in. for extreme accuracy and precision	04		Each	
10	<b>THERMOMETER FOR ASPHALT, BITUMEN &amp; CONCRETE BITUMEN THERMOMETER WITH ACCESSORY</b> <b>MN Measurement Instruments</b> <b>DM6801-</b> 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 <b>HANNA / HI935005</b> <b>OPTIONAL ACCESSORY "K-TYPE Thermocouple with Wire &amp; Handle for above Bitumen Thermometer k-Type Thermocouple Probe with Wire &amp; Handle.</b>	06		Each	



11	<b>Portable Water Quality Analyzer PH/MV Electronic Data Logger with Printer/phMeter</b> <b>AZ Instrument/AZ 9861</b> <b>Specification</b> Measuring Range: 0 to 14pH-1999 to 2000mV Accuracy: $\pm(0.01\text{pH} + 1 \text{ dgt.}) \pm(2\text{mV} + 1 \text{ dgt.})$ Resolution: 0.01pH - 0.1/1mV Temperature Measuring Range: 32 to 230°F (0 to 110°C) Accuracy: $\pm 0.4^\circ\text{F}$ (0.2°C) +1 dgt. Resolution: 0.1°F (0.1°C) Auto Shut-off Low Battery Indicator	04		Each	
12	<b>High Quality Portable Pocket Type 5 in 1 Meter TDS/EC/PH/Salinity/Temperature Meter</b> <b>Multi function/EZ-9909</b> This 4-in-1 meter measures Conductivity, Total dissolved Solids (TDS), Salinity & Temperature	04		Each	
13	<b>ELECTONIC TACHOMETER</b> <b>TYPE ZTS-420 L8 COMPLETE WITH APPROPRIATE ACCESSORIES FOR COMPLETING THE JOB OR EQUIVALENT</b> <b>HI-Target/ZTS-420L8</b> <b>Main features</b> 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, 1.No.	04		Each	



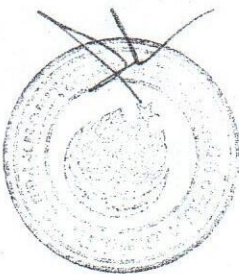


14	<b>TRAVELING BEAM DEVICE</b>  Used to detect and check any irregularity in both bituminous and concrete road surfaces. The unit consists essentially of a 3-meter-long beam fixed on two rigid wheels at the extremities. In the middle of the beam a sensing unit comprising a wheel connected to an indicator 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.  <b>ACCESSORIES</b> <i>Matest / B098N</i> B098-01N <b>AUTOGRAPHIC RECORDING DEVICE</b> 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. <b>SPARES</b> 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		Each	
15	<b>GASOLINE POWERED PORTABLE UNIVERSAL CORE DRILLING MACHINE</b>  <i>Lucky CM / OB. 305B</i> 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	<b>UNDERGROUND CABLE &amp; PIPE LOCATOR</b>  <i>Leica / DD100/200 series</i> 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	<b>DIGITAL VERNIER CALLIPERS SPECIFICATION:</b> 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. <i>INGCO / HDS01150</i>	04		Each	<i>Handwritten signature</i>





STEEL DIAMETER GAUGE PLATE SPECIFICATION <i>INSIZE</i>				
18	<p>Item Type: Diameter Gage <i>HERCHR/4809</i></p> <p>Material: Stainless Steel</p> <p>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.</p>	04		Each
19	<p><b>THERMOGRAPHY INFRA RED IRT</b></p> <p>Features &amp; Specs <i>Noyata/NF-521</i></p> <p>Temperature Testing</p> <p>The measuring range is -10 °C to 400 °C Capturing an astonishing level of detail through high thermal sensitivity, isolating the smallest temperature anomalies.</p> <p>Resolution:</p> <p>32x32 pixel resolution, 33° Field of View, capture a clear accurate image focused throughout the field of view IR Thermal imaging camera technics</p> <p>Use 2-megapixel white lens and 2.2 TFT LCD screen to visualize targets more flexibly</p> <p>Integrated Visual Display</p> <p>Combine Infrared and visible images for simpler analysis and edit and optimize image</p>	04		Each
20	<p><b>MULTI FUNCTION DIGITAL MOISTURE METER</b></p> <p><i>TSINGTAO/PMS 710/china</i></p> <p>Digital Multi-function moisture meter use for measuring the moisture content of Soil, Cement, Sand, Plater, Concrete and Mortar etc.</p> <p>Specification</p> <p>Display: 4 digital LCD Measuring range : 0-50% Operation condition: Temperature: 0-60°C Humidity: 5%-90%RH Resolution: 0.1 Accuracy: ± 2% (Non- saturation condition) Power supply: 4x1.5 AAA size (UM-4) (not included) battery Dimensions: 140mm×60mm×22mm Needle: 280mm Weight: 210g</p>	01		Each



*[Handwritten signature]*





21	<b>OPTICAL MEASURING INSTRUMENT</b> 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 (Diameter): 103 mm Horizontal Circle: 1° Automatic Compensator Accuracy: 0.3" Range: ± 15' Circular Bubble Sensitivity: ≤ 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: 1.71 kg Accessories included Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench Adjusting Pin, Aluminum Tripod stand & Aluminum staff pole  <i>Pentax/AL-M series</i>	02		Each	
22	<b>CONCRETE SCHMIDT HAMMER</b> Concrete Test hammer ASTM, EN, DM, BS and NF Test standards Description & Specification Type 'N' range 10 to 70 N/mm <sup>2</sup> (100 to 700 kgf/cm <sup>2</sup> ) 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 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  <i>Matest/IWIN-HT225</i>	04		Each	





**INTEGRATED REBAR DETECTOR**

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)  $\phi 6 \sim \phi 50$

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  $\geq 16h$

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

OBRK/R900

02

Each

**CONCRETE / ASPHALT CUTTER SAW**

'CUT DIAMOND' Rosad Cutter fitted with 'Kipor' 15HP Air-cooled Diesel Engine complete with 20 inch cutting blade

CUT DIAMANT / MC 500

01

Each

**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

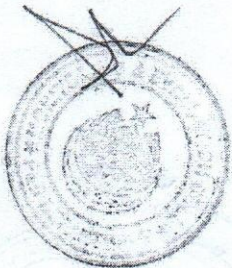
Pump: Axial Cam

Wheel Size: 12"

Champion/100382-

02

Each





**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**

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

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

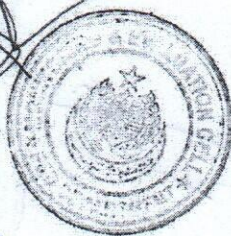
Complete with Base Station + Rover + Field Controller + Batteries +  
Charger + Antennas + Tribrach+ Tripod Stand + Fiber Pole

GeoMax/GNSS

Zenith

02

Each





27	<b>DOPPLER FLOW TESTER</b>  Handheld portable Ultrasonic Doppler water flow meter Features & specification Measurement Accuracy: Flow $\pm 1\%$ , Heat $\pm 2\%$ 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 $\pm 1\%$ , 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 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 <i>Ultrasonic TUF-2000H</i> 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	<b>CONCRETE COMPRESSION TESTING MACHINE 'MATEST' 'ITALY' MODEL C055 OR EQUIVALENT</b>  Compression machine 2000 KN motorized with Digital Control Unit to test cubes upto 150 mm side and cylinders up to dia 160x320 mm  <i>Matest / C055</i>	01		Each	
29	<b>ULTRASONIC THICKNESS GAUGE 'SADT' MODEL SA40+ OR EQUIVALENT</b>  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 <i>SADT / SA40</i> Measuring range: 0.7 to 300.0mm 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	



30	<b>OPTICAL MICROMETER TYPE OM5 FOR COMPLETING THE JOB OR EQUIVALENT ENGINE FEATURES</b> <b>SOKKIA/OM5</b> 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	<b>ON-SITE HANDHELD/ANDROID DATA COLLECTOR &amp; RECORDER TYPE P8 I FOR COMPLETING THE JOB OR EQUIVALENT</b> 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 <b>e-survey/P8II</b> 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	<b>MULTIPLE HANDHELD GAS MONITOR DETECTOR MODEL K-400M OR EQUIVALENT</b> 1. Power: 6x1.5V AA included <b>Bosean/K-400M</b> 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	





**DOPPLER FLOW TESTER**

Handheld portable Ultrasonic Doppler water flow meter  
 Features & specification  
 Measurement Accuracy: Flow  $\pm 1\%$ , Heat  $\pm 2\%$   
 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  $\pm 1\%$ , 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 *Ultrasonic TUF-2000H*  
 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

**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

**ULTRASONIC THICKNESS GAUGE '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 *SADT/SA40*  
 Measuring range: 0.7 to 300.0mm  
 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



### 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  
 Built-in 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  
 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: Built-in 128GB SSD or USB Device  
 On Screen depth encoder temperature & direction.

*Vicam Mechatronics/*

*Model - V10*

02

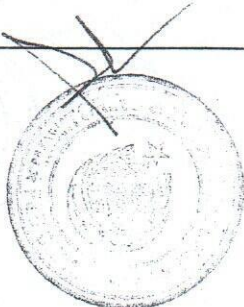
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Installation, Calibration and Service Charge

Total Amount

GST (If applicable)

Grand Total



*Signature*

*Signature*

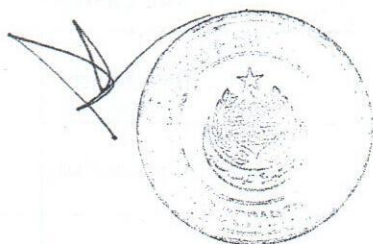


Stamp & Signature

**Part-V****SCHEDULE OF REQUIREMENTS**

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

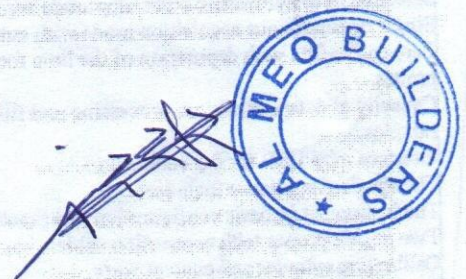
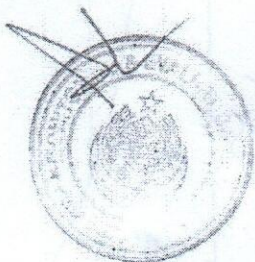
Sr	Items /Qty	Time of Delivery from date of Award	Location of Supply	Phone No. & Email
1	As specified in Part – IV of this bidding documents	within three (03) months after contract signing	Assistant Director (A&A)(MEC) Monitoring & Evaluation Cell (MEC), P&D Department, Room No. 419-E, 3rd Floor, Tughlaque 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**

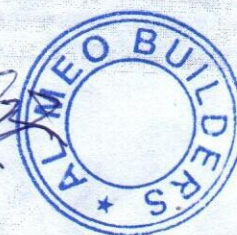
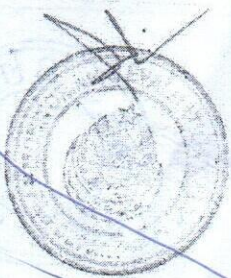




MONITORING EQUIPMENTS					
Sr #	ITEM DESCRIPTION	QTY	RATE	UNIT	AMOUNT
1	<b>DRONES</b> <i>DJI Phantom 4 PRO</i> <b>Main features of the Product</b> 1" 20MP CMOS Sensor Gimbal-Stabilized 4K 60/20MP Imaging Flight Autonomy with Redundant Sensors Four Directions of Obstacle Avoidance Top Speed of 44 mph 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	<b>WIRELESS CRACK WIDTH GAUGE</b> <b>Features &amp; Specs</b> <i>MATEST C399</i> 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 <b>Specification</b> 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	
3	<b>ULTRASONIC PULSE VELOCITY METER</b> <i>MATEST - C369N</i> <b>Technical Parameters</b> Measuring range: 0 - 3000 $\mu$ s - accuracy +/- 0,1 $\mu$ s 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		Each	

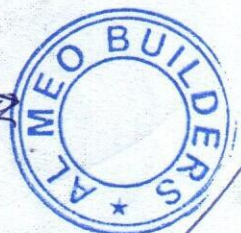


4	<b>PORTABLE ULTRASONIC THICKNESS GAUGE</b> <b>EVIDENT-45MG</b> Measuring ranges from 0.039 to 8.85 in/1 to 225mm. Resolution: 0.01mm. you can get accurate ( $\pm 0.5\%H + 0.05\text{mm}$ ) readings in inch or mm in 0.5 seconds. Sound velocity from 1000 to 9999m/s Multi-Functional: 2.4" HD color screen 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	<b>PORTABLE ULTRA SONIC COATING THICKNESS GAUGE</b> <b>Defelsko-PosiTector 6000</b> 1. Measuring range: 0 ~ 1500um/0~59mils, Accuracy: $\pm(3\%H + 1\mu\text{m})$ , 2. Resolution of 0.1 mils 3. Aluminum Calibration plates, Plastic shim test set, carrying case.	08		Each	
6	<b>PORTABLE HANDHELD METAL LOCATOR</b> <b>EIA-ALIS-PT</b> 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	<b>CONCRETE COVERMETER</b> 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 & earphone socket	06		Each	



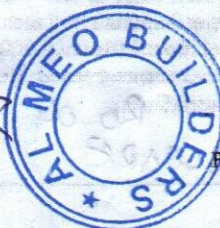
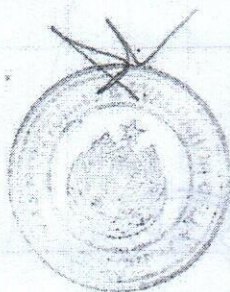


8	<b>LASER MEASURING &amp; MARKING EQUIPMENT LASER LEVEL</b> <b>BOSCH-</b> The laser level has one horizontal 360 Degree and two vertical laser lines in a 90 Degree angle, plus one plumb down point, for the most useful laser configurations in one tool Up to 4x better visibility: With green laser technology, 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 $\pm 0.4$ mm/m (lines) and $\pm 1.0$ mm/m (plumb point) Self-levelling: The laser level can self-level up to $\pm 4$	04		Each	
9	<b>LASER DISTANCE METER</b> <b>BOSCH-GLM40</b> 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 $\pm 1/16$ in. for extreme accuracy and precision	04		Each	
10	<b>THERMOMETER FOR ASPHALT, BITUMEN &amp; CONCRETE BITUMEN THERMOMETER WITH ACCESSORY</b> <b>MIZOX-AST10</b> 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.	06		Each	





11	<b>Portable Water Quality Analyzer PH/MV Electronic Data Logger with Printer/phMeter</b> <b>T O A D K - P30</b> <b>Specification</b> Measuring Range: 0 to 14pH-1999 to 2000mV Accuracy: $\pm(0.01\text{pH} + 1 \text{ dgt.}) \pm(2\text{mV} + 1 \text{ dgt.})$ Resolution: 0.01pH - 0.1/1mV Temperature Measuring Range: 32 to 230°F (0 to 110°C) Accuracy: $\pm 0.4^\circ\text{F}$ ( $0.2^\circ\text{C}$ ) +1 dgt. Resolution: 0.1°F (0.1°C) Auto Shut-off Low Battery Indicator	04		Each	
12	<b>High Quality Portable Pocket Type 5 in 1 Meter TDS/EC/PH/Salinity/Temperature Meter</b> <b>AZ INSTRUMENTS 8721 +2</b> This 4-in-1 meter measures Conductivity, Total dissolved Solids (TDS), Salinity & Temperature	04		Each	
13	<b>ELECTRONIC TACHOMETER</b> <b>TYPE ZTS-420 L8 COMPLETE WITH APPROPRIATE ACCESSORIES FOR COMPLETING THE JOB OR EQUIVALENT</b> <b>PENTAX - R200</b> <b>Main features</b> 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, 1.No.	04		Each	

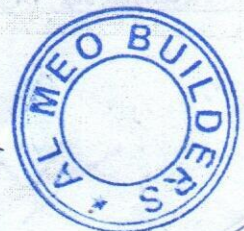
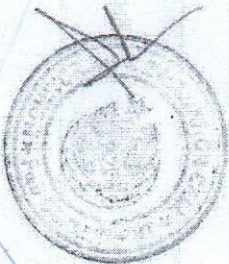




14	<b>TRAVELING BEAM DEVICE</b>  Used to detect and check any irregularity in both bituminous and concrete road surfaces. The unit consists essentially of a 3-meter-long beam fixed on two rigid wheels at the extremities. In the middle of the beam a sensing unit comprising a wheel connected to an indicator 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.  <b>ACCESSORIES</b> <i>MATTEST B098N</i> B098-01N <b>AUTOGRAPHIC RECORDING DEVICE</b> 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. <b>SPARES</b> 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		Each	
15	<b>GASOLINE POWERED PORTABLE UNIVERSAL CORE DRILLING MACHINE</b>  <i>KOR-IT</i> <i>4-25/K501</i> 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	<b>UNDERGROUND CABLE &amp; PIPE LOCATOR</b>  Utility locator series uses industry-leading digital signal processing to identify underground assets deeper, faster and more accurately than any other system <i>LEICA - DD130/230</i> 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	<b>DIGITAL VERNIER CALLIPERS SPECIFICATION:</b> 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. <i>RD-04</i> <i>LOUISWARE</i>	04		Each	



STEEL DIAMETER GAUGE PLATE SPECIFICATION				
18	Item Type: Diameter Gage Material: Stainless Steel <b>STAINLESS STEEL WIRE WELDING GAUGE:</b> 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. <i>HERCULE 14809 INSIDE</i>	04		Each
19	<b>THERMOGRAPHY INFRA RED IRT</b> 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 <i>NO-1ATA NF-521</i>	04		Each
20	<b>MULTI FUNCTION DIGITAL MOISTURE METER</b> <i>CHINA - D71570</i> 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 Resolution: 0.1 Accuracy: ± 2% (Non- saturation condition) Power supply: 4x1.5 AAA size (UM-4) (not included) battery Dimensions: 140mm×60mm×22mm Needle: 280mm Weight: 210g	01		Each





21	<b>OPTICAL MEASURING INSTRUMENT</b> 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 (Diameter): 103 mm Horizontal Circle: 1° Automatic Compensator Accuracy: 0.3" Range: ± 15' Circular Bubble Sensitivity: ≤ 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: 1.71 kg Accessories included Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench Adjusting Pin, Aluminum Tripod stand & Aluminum staff pole  <b>PENIAX ALM 23</b>	02		Each	
22	<b>CONCRETE SCHIMIDT HAMMER</b> Concrete Test hammer ASTM, EN, DM, BS and NF Test standards Description & Specification Type 'N' range 10 to 70 N/mm <sup>2</sup> (100 to 700 kgf/cm <sup>2</sup> ) 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 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 <b>PCE -</b>	04		Each	



**INTEGRATED REBAR DETECTOR**

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)  $\phi 6 \sim \phi 50$   
 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  $\geq 16h$   
 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

UTEST  
 UTC-2082

**CONCRETE / ASPHALT CUTTER SAW**

'CUT DIAMOND' Rosad Cutter fitted with 'Kipor' 15HP Air-cooled Diesel Engine complete with 20 inch cutting blade

01

Each

**PRESSURE WASHER****Engine Features:**

196cc Champion OHV Engine, 4 Stroke, Low oil shut off, single cylinder, Recoil start, cast iron steel for durability

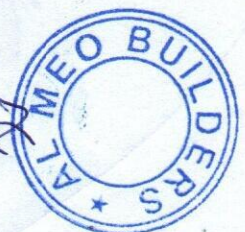
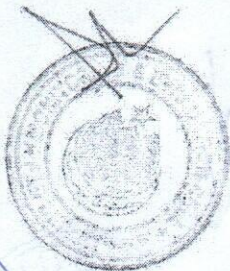
**Washer Specification**

Max Pressure: 2600 Psi  
 Flow Capacity: 2.2 gpm  
 Pump: Axial Cam  
 Wheel Size: 12"

02

Each

CHAMPION





**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

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

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

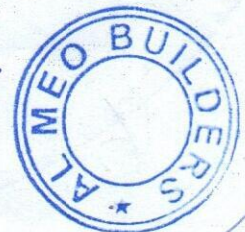
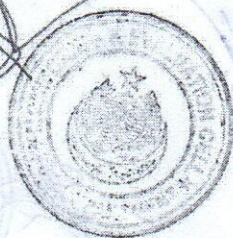
Humidity: 100% condensing

Complete with Base Station + Rover + Field Controller + Batteries + Charger + Antennas + Tribrach+ Tripod Stand + Fiber Pole

26

02

Each





27	<b>DOPPLER FLOW TESTER</b>  Handheld portable Ultrasonic Doppler water flow meter Features & specification Measurement Accuracy: Flow $\pm 1\%$ , Heat $\pm 2\%$ 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 $\pm 1\%$ , 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 <p style="text-align: center;"><b>PULSAR DFM 6.1</b></p>	02		Each	
28	<b>CONCRETE COMPRESSION TESTING MACHINE 'MATEST' (ITALY) MODEL C055 OR EQUIVALENT</b>  Compression machine 2000 KN motorized with Digital Control Unit to test cubes upto 150 mm side and cylinders up to dia 160x320 mm <p style="text-align: center;"><b>TMI - CM 5000</b></p>	01		Each	
29	<b>ULTRASONIC THICKNESS GAUGE 'SADT' MODEL SA40+ OR EQUIVALENT</b>  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 to 300.0mm 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 <p style="text-align: center;"><b>SADT SA40+</b></p>	02		Each	



30	<b>OPTICAL MICROMETER TYPE OM5 FOR COMPLETING THE JOB OR EQUIVALENT ENGINE FEATURES</b> <b>SOKKIA OM5</b> 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	<b>ON-SITE HANDHELD/ANDROID DATA COLLECTOR &amp; RECORDER TYPE P8 I FOR COMPLETING THE JOB OR EQUIVALENT</b> <b>E-SURVEY P811</b> 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	<b>MULTIPLE HANDHELD GAS MONITOR DETECTOR MODEL K-400M OR EQUIVALENT</b> 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 <b>PK-SAFETY / CX-3R</b>	04		Each	



27	<b>DOPPLER FLOW TESTER</b>  Handheld portable Ultrasonic Doppler water flow meter Features & specification Measurement Accuracy: Flow $\pm 1\%$ , Heat $\pm 2\%$ 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 $\pm 1\%$ , 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, 1 x 5m standard sensor signal cable, 1x user manual, 1 x adapter <p style="text-align: center;"><b>PULSAR DFM 6.1</b></p>	02		Each	
28	<b>CONCRETE COMPRESSION TESTING MACHINE 'MATEST' (ITALY) MODEL C055 OR EQUIVALENT</b>  Compression machine 2000 KN motorized with Digital Control Unit to test cubes upto 150 mm side and cylinders up to dia 160x320 mm <p style="text-align: center;"><b>TMI - CM 5000</b></p>	01		Each	
29	<b>ULTRASONIC THICKNESS GAUGE 'SADT' MODEL SA40+ OR EQUIVALENT</b> 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 to 300.0mm 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 <p style="text-align: center;"><b>SADT SA40+</b></p>	02		Each	

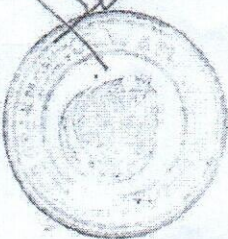
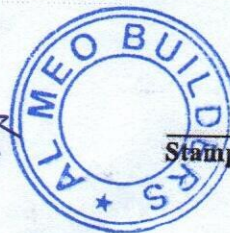


**DUAL BORE INSPECTION CAMERA FOR BORE/WELL  
WITH 300 METER CABLE TYPE V10-BSC FOR  
COMPLETING THE JOB OR EQUIVALENT**
**Main Features**

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  
 Built-in 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  
 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: Built-in 128GB SSD or USB Device  
 On Screen depth encoder temperature & direction.

02

Each

**Installation, Calibration and  
Service Charge**
**Total Amount****GST (If applicable)****Grand Total**


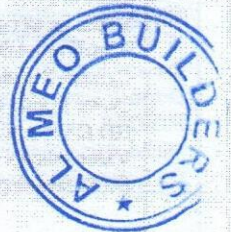
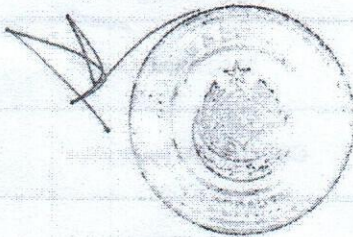
Stamp &amp; Signature



**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 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





***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





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**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:

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

- 01 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](http://www.mecsindh.gov.pk)) & SPPRA ([www.pprasindh.gov.pk](http://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. 021-99211927 / 99211403





**PART-II****INSTRUCTION TO BIDDERS**

- i **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 sources 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 under this Invitation for Bids.

Government-owned enterprises in the Province of Sindh may participate only if they are legally and financially autonomous, if they 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.

- iv **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.





**B. The Bidding Documents****v Content of 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
- (j) Contract Form
- (k) Performance Security Form
- (l) 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 or to 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**

- |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. Scope</b>                        | 1.1 The Monitoring & Evaluation Cell, Planning & Development Department, Government of Sindh, Karachi intends the subject procurement through National Competitive Bidding <b>Single Stage Two Envelope Procedure 46 (2) of SPPRA Rules-2010 (Amended up to date).</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>2. Language of Bid</b>              | 2.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring agency shall be written in the English language.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>3. Documents Comprising the Bid</b> | 3.1 The bid prepared by the Bidder shall comprise the following components:<br>a) Price Schedule completed in accordance with ITB Clauses 4, 5 and 6.<br>b) bid security furnished in accordance with ITB Clause-9.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>4. Bid Prices</b>                   | 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.<br><br>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.<br><br>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.<br><br>4.4 Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet. |
| <b>5. Bid Form</b>                     | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>6. Bid Currencies</b>               | 6.1 Prices Shall be quoted in Pak Rupees.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>7. Bidder's Eligibility</b>         | 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 thosedesignated 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 permitted 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 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 agency and 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 for submission 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, 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.
- 16.2 Bids (and modifications sent pursuant to ITB Clause 15.2) that are not 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.
- 16.3 The Procuring agency will prepare minutes of the bid opening.
- 16.4
- 17. Clarification of Bids** 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. <b>Post – Qualification</b>                                                     | <p>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.</p> <p>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 Bidder, pursuant to ITB Claus-7 as well as such other information as the Procuring agency deems necessary and appropriate.</p> <p>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.</p> |
| 22. <b>Award Criteria</b>                                                           | <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 22 a <b>Procuring Agency's right to vary quantities at the time of award</b>        | <p>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; divide business amongst more than one bidder.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 23. <b>Procuring agency's Right to Accept any Bid and to Reject any or All Bids</b> | <p>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.</p> <p>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.</p>                                                                                                                                                                                                                                                                                                                                                           |





- |     |                                        |                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 24. | <b>Notification of Award</b>           | 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. | <b>Signing of Contract</b>             | 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. | <b>Performance Security</b>            | 26.1 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. | <b>Corrupt or Fraudulent Practices</b> | 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, 2009 and 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

<b>Introduction</b>	
<b>ITB 1.1</b>	<b>Name of Procuring Agency:</b> Monitoring & Evaluation Cell (MEC) , Planning & Development Department, Government of Sindh, Room No. 419-E, 3rd Floor, Tughlaque House, Sindh Secretariat No. 2, Karachi . <b>Phone No.</b> 021-99211927 / 99211403
<b>ITB 1.1</b>	<b>Name of MEC Project:</b> "Strengthening & Capacity Building of Regional Offices of M&E Cell at Hyderabad & Sukkur" (ADP 2022-23 No. 2632)".
<b>ITB 1.1</b>	<b>Name of Contract:</b> "Procurement of Monitoring Equipment"
<b>Bid Price and Currency</b>	
<b>ITB 4</b>	Prices quoted by the Bidder shall be <b>"fixed" and in " Pak Rupees"</b>
<b>Preparation and Submission of Bids</b>	
<b>ITB 7</b>	<b>Mandatory Selection / Eligibility / Responsiveness criteria</b>
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	<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.
<b>ITB 9</b>	<b>Amount of Bid Security:</b> 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"
<b>ITB 10</b>	<b>Bid validity period:</b> 90 days
<b>ITB 12</b>	<b>Submission of Bids:</b> 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.
<b>ITB 13 &amp; 16</b>	<b>i. Place &amp; Date for bid submission &amp; opening:</b> Bids must be delivered to the in the office of Assistant Director (A&A) (MEC), M&E Cell, Planning & Development Department, Government of Sindh, Room No. 419-E, Tughlaque House, Sindh Secretariat No. 2, Karachi on latest by <b>Friday, 26<sup>th</sup> May, 2023 up to 03:00 pm</b> and technical bid will be opened on same day at <b>03:30 pm in the same office.</b> <b>ii.</b> Financial Proposal will be opened for technically qualified bidder in due course of time.
<b>ITB 19.1</b>	<b>Bid Evaluation &amp; Comparison Criteria:</b> Most Advantageous Bid.





<b>TB 25.2</b>	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.
<b>ITB 26.1</b>	Successful bidder to submit performance security at the rate <b>05%</b> 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. <b>No Insurance Guarantee will be accepted.</b>

**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.
- v. 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.
- vi. All Bidding documents must be signed, named & stamped by authorized person of the Manufacturer/Firms /Companies/Distributors/Suppliers along with authorized letter.
- vii. 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.
- xii. 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
1	<b>DRONES</b>  <b>Main features of the Product</b> 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	<b>WIRELESS CRACK WIDTH GAUGE</b>  <b>Features &amp; Specs</b>  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  <b>Specification</b>  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	
3	<b>ULTRASONIC PULSE VELOCITY METER</b>  <b>Technical Parameters</b> Measuring range: 0 - 3000 $\mu$ s - accuracy +/- 0.1 $\mu$ s 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		Each	



4	<b>PORTABLE ULTRASONIC THICKNESS GAUGE</b> Measuring ranges from 0.039 to 8.85 in/1 to 225mm, Resolution: 0.01mm. you can get accurate ( $\pm 0.5\%H + 0.05\text{mm}$ ) 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	<b>PORTABLE ULTRA SONIC COATING THICKNESS GAUGE</b> 1. Measuring range: 0 ~ 1500um/0~59mils, Accuracy: $\pm(3\%H + 1\mu\text{m})$ , 2. Resolution of 0.1 mils 3. Aluminum Calibration plates, Plastic shim test set, carrying case.	08		Each	
6	<b>PORTABLE HANDHELD METAL LOCATOR</b> 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	<b>CONCRETE COVERMETER</b> 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 & earphone socket	06		Each	









11	<b>Portable Water Quality Analyzer PH/MV Electronic Data Logger with Printer/phMeter</b>  <b>Specification</b> Measuring Range: 0 to 14pH-1999 to 2000mV Accuracy: $\pm(0.01\text{pH} + 1 \text{ dgt.}) \pm(2\text{mV} + 1 \text{ dgt.})$ Resolution: 0.01pH - 0.1/1mV Temperature Measuring Range: 32 to 230°F (0 to 110°C) Accuracy: $\pm 0.4^\circ\text{F}$ (0.2°C) +1 dgt. Resolution: 0.1°F (0.1°C) Auto Shut-off Low Battery Indicator	04		Each	
12	<b>High Quality Portable Pocket Type 5 in 1 Meter TDS/EC/PH/Salinity/Temperature Meter</b>  This 4-in-1 meter measures Conductivity, Total dissolved Solids (TDS), Salinity & Temperature	04		Each	
13	<b>ELECTONIC TACHOMETER TYPE ZTS-420 L8 COMPLETE WITH APPROPRIATE ACCESSORIES FOR COMPLETING THE JOB OR EQUIVALENT</b>  <b>Main features</b> 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, 1.No.	04		Each	





14	<p><b>TRAVELING BEAM DEVICE</b></p> <p>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.</p> <p>Dimension: 790x3200x1080 mm approx. Weight: 55 kg approx.</p> <p><b>ACCESSORIES</b></p> <p>B098-01N <b>AUTOGRAPHIC RECORDING DEVICE</b> 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.</p> <p><b>SPARES</b></p> <p>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.</p>	04		Each	
15	<p><b>GASOLINE POWERED PORTABLE UNIVERSAL CORE DRILLING MACHINE</b></p> <p>Drilling range: Ø15-305mm Rated voltage: 220V- Rated power: 50-60Hz Input power: 4550W No-load speed: 380r / min</p> <p>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.</p>	01		Each	
16	<p><b>UNDERGROUND CABLE &amp; PIPE LOCATOR</b></p> <p>Utility locator series uses industry-leading digital signal processing to identify underground assets deeper, faster and more accurately than any other system</p> <p>A pipe &amp; 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</p>	04		Each	
17	<p><b>DIGITAL VERNIER CALLIPERS SPECIFICATION:</b></p> <p>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.</p>	04		Each	





18	<b>STEEL DIAMETER GAUGEPLATE SPECIFICATION</b>  Item Type: Diameter Gage Material: Stainless Steel <b>STAINLESS STEEL WIRE WELDING GAUGE:</b> 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	<b>THERMOGRAPHY INFRA RED IRT</b>  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	<b>MULTI FUNCTION DIGITAL MOISTURE METER</b>  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 Resolution:0.1 Accuracy: ± 2%(Non- saturation condition) Power supply: 4x1.5 AAA size (UM-4)(not included) battery Dimensions:140mm×60mm×22mm Needle: 280mm Weight:210g	01		Each	





21	<b>OPTICAL MEASURING INSTRUMENT</b> 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 (Diameter): 103 mm Horizontal Circle: 1° Automatic Compensator Accuracy: 0.3" Range: ± 15' Circular Bubble Sensitivity: ≤ 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: 1.71 kg Accessories included Carrying Case, Plump Bob, Objective Cap, Hexagonal Wrench Adjusting Pin, Aluminum Tripod stand & Aluminum staff pole	02		Each	
22	<b>CONCRETE SCHMIDT HAMMER</b> Concrete Test hammer ASTM, EN, DM, BS and NF Test standards Description & Specification Type 'N' range 10 to 70 N/mm <sup>2</sup> (100 to 700 kgf/cm <sup>2</sup> ) 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 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, 1xcarbendum rubbing stone, 1 x Manual operation, 1 x carrying bag	04		Each	





23	<b>INTEGRATED REBAR DETECTOR</b>  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. <b>Specification</b> Applicable range of Rebar (mm) $\phi 6 \sim \phi 50$ 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 $\geq 16h$ 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	<b>CONCRETE /ASPHALT CUTTER SAW</b> 'CUT DIAMOND" Rosad Cutter fitted with 'Kipor" 15HP Air-cooled Diesel Engine complete with 20 inch cutting blade	01		Each	
25	<b>PRESSURE WASHER</b> 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"	02		Each	





26	<p><b>LONGITUDE AND LATITUDE MEASURING DEVICE COMPLETE WITH APPROPRIATE ACCESSORIES TO COMPLETE THE JOB</b></p> <p>Features            Quad-Penta Band, GSM/GPRS/UMTS, GPS, Glonass, BeiDou, Galileo and SBAS, Novatel GNSS Technology &amp; Q-Lock, all visible satellites are tracked with the highest possible sensitivity, IP68 dust &amp; water proof, shock and vibration resistance, complete control with receiver keypad, quick swappable sim and micro sd cards, Internal GSM/GPRS Antenna, External power &amp; radio port</p> <p>Specification            Q-Lock Technology: Lowest noise &amp; 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</p> <p>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</p> <p>Communication            GSM/GPRS Module: Quad-Band GSM &amp; Penta- Band; UMTS 800/850/900/1900/2100 MHz            Internal Antenna Communication Port: USB, Serial &amp; power Interfaces</p> <p>Keyboard: On/Off &amp; Function keys            LED Status &amp; 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</p> <p>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</p>	02		Each	
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27	<b>DOPPLER FLOW TESTER</b>  Handheld portable Ultrasonic Doppler water flow meter Features & specification Measurement Accuracy: Flow $\pm 1\%$ , Heat $\pm 2\%$ 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 $\pm 1\%$ , 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	<b>CONCRETE COMPRESSION TESTING MACHINE 'MATEST' 'ITALY' MODEL C055 OR EQUIVALENT</b>  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	<b>ULTRASONIC THICKNESS GAUGE 'SADT' MODEL SA40+ OR EQUIVALENT</b> 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	





30	<b>OPTICAL MICROMETER TYPE OM5 FOR COMPLETEING THE JOB OR EQUIVALENT ENGINE FEATURES</b>  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	<b>ON-SITE HANDHELD/ANDROID DATA COLLECTOR &amp; RECORDER TYPE P8 I FOR COMPLETING THE JOB OR EQUIVALENT</b>  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	<b>MULTIPLE HANDHELD GAS MONITOR DETECTOR MODEL K-400M OR EQUIVALENT</b> 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	





33	<p><b>DUAL BORE INSPECTION CAMERA FOR BORE/WELL WITH 300 METER CABLE TYPE V10-BSC FOR COMPLETING THE JOB OR EQUIVALENT</b></p> <p><b>Main Features</b> 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 Buitin Compass and temperature sensor Dual Camera Ø 63mm L570mm stainless steel casing Waterproof IP68 operating depth 50 bars (725 PSI) Dual camera down &amp; 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 &amp; Tilt Camera Winch operating knob: (adjustable speed, cable up &amp; down, brake) Camera Rotation control button (Clockwise &amp; counter clockwise) Down &amp; side camera select button &amp; LED brightness control button. HD DVR Audio/Video recording and playback Video storage Medium: Buitin 128GB SSD or USB Device On Screen depth encoder temperature &amp; direction.</p>	02	Each	
		Installation, Calibration and Service Charge		
		Total Amount		
		GST (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
1	As specified in Part – IV of this bidding documents	within three (03) months after contract signing	<b>Assistant Director (A&amp;A)(MEC)</b> 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-VI**  
**SAMPLE FORMS**

**Form-I****Letter of Acceptance**

Date: \_\_\_\_\_

To: \_\_\_\_\_

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

Dear Sir:

Having examined the bidding documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver the required item 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 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 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 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





**Form-III****Price Schedule in Pak Rupees**

Company Name: \_\_\_\_\_ Tender No: \_\_\_\_\_

Provide &amp; supply following Monitoring Equipment

MONITORING EQUIPMENTS					
Sr #	Description of Item	Qty	Rate	Unit	Amount
1					
2					
3					
4					
Installation, Calibration and Service Charge					
Total Amount					
GST (If applicable)					
Grand Total					

Grand Total Rupees (in words) \_\_\_\_\_

Stamp & Signature

It is hereby certified that the terms and conditions have been read, agreed upon and signed.

M/s : \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

Tel # \_\_\_\_\_

Fax : \_\_\_\_\_

Mobile: \_\_\_\_\_

Email \_\_\_\_\_

Stamp & Signature



**Bid Form and Price Schedule**

To:

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

Dear Sir,

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 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]*

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.
2. 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 Contract contained 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 Procurement Rules 2010 (Amended up to date).
- (j) **"Day"** means calendar day.

**2. Standards**

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



**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 rupees 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 waived by 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 Contract 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.





**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:
  - (i) 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 case may 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. Payment** 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 be 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.

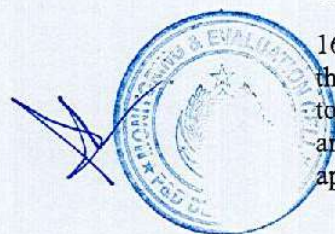
**14. Prices** Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid,

**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 Supplier's Performance** 16.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the 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 notify the Procuring agency in writing of the fact of the delay, its likely duration and 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 or in 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.





**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 fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

19.3 If a Force Majeure situation arises, the Supplier shall promptly notify 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 Contract as 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 accrued 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 complete 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 an 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 exchanged by 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 bidding documents





**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:

1. 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]* dated \_\_\_\_\_ 2023 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 of \_\_\_\_\_ 2023.

Signature and seal of the Guarantors

\_\_\_\_\_  
*[name of bank or financial institution]*

\_\_\_\_\_  
*[address]*

\_\_\_\_\_  
*[date]*





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

Contract Number: \_\_\_\_\_ Dated: \_\_\_\_\_

Contract Value: \_\_\_\_\_

Contract Title: \_\_\_\_\_

\_\_\_\_\_  
[Name of Supplier/Contractor/Consultant] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, \_\_\_\_\_  
[Name of Supplier/Contractor/Consultant] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

\_\_\_\_\_  
[Name of Supplier/Contractor/Consultant] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

\_\_\_\_\_  
[Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, \_\_\_\_\_  
[Name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by \_\_\_\_\_  
[Name of Supplier/Contractor/Consultant] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.

\_\_\_\_\_  
[Procuring Agency]\_\_\_\_\_  
[Supplier /Contractor/Consultant]





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 [www.mccsindh.gov.pk](http://www.mccsindh.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: 4<sup>th</sup> May, 2023 for "Procurement of Monitoring Equipment" following correction is being made in bidding document i.e.

How to apply	
For	Read
<b>Page-3</b> 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)	<b>Page-3</b> 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, SECP (Attach relevant documents) (if applicable)
<b>Page-15</b> Part-III Data Sheet (ITB 7 Mandatory Selection / Eligibility / Responsiveness criteria)  5. SECP Incorporation certificate	<b>Page-15</b> 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

**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





حکومت سندھ

پلاننگ اینڈ ڈیولپمنٹ ڈپارٹمنٹ

(مانیٹرنگ اینڈ ایوالیویشن سیل)

کمرہ نمبر 3rd.419-E فلور، تعلق ہاؤس، سندھ سیکریٹریٹ نمبر 2 کراچی

فون نمبر: 021-99211927، www.mecsindh.gov.pk

Say No To CORRUPTION

تصحیح

ٹینڈر طلبی نوٹس

بحوالہ ”مانیٹرنگ ایکوپمنٹ کے حصول“ کیلئے روزنامہ ”ڈان“، روزنامہ ”جنگ“ اور روزنامہ ”کاوش“ مورخہ 4th مئی 2023 میں شائع شدہ مانیٹرنگ اینڈ ایوالیویشن سیل، پلاننگ اینڈ ڈیولپمنٹ ڈپارٹمنٹ حکومت سندھ ٹینڈر طلبی نوٹس اشتہار نمبر (INF-KRY No. 1693/23) بڈنگ دستاویز میں مندرجہ ذیل درستی کی گئی ہے یعنی

درخواست کیسے دیں

پڑھیں	برائے
صفحہ 3- معیار اہلیت: پیشکش دہندہ فعال ٹیکس ادا کنندہ ہو اور FBR سے انکم ٹیکس نمبر سرٹیفکیٹ (NTN) اور GST رجسٹریشن سرٹیفکیٹ کارآمد پروفیشنل ٹیکس سرٹیفکیٹ اور سیلز ٹیکس کے لئے (SRB) سندھ ریونیو بورڈ سے رجسٹریشن SECP فراہم کرے (متعلقہ دستاویزات منسلک ہوں) (اگر قابل اطلاق ہو)	صفحہ 3- معیار اہلیت: پیشکش دہندہ فعال ٹیکس ادا کنندہ ہو اور FBR سے انکم ٹیکس نمبر سرٹیفکیٹ (NTN) اور GST رجسٹریشن سرٹیفکیٹ، کارآمد پروفیشنل ٹیکس سرٹیفکیٹ اور سیلز ٹیکس کے لئے سندھ ریونیو بورڈ (SRB) سے رجسٹریشن (اگر قابل اطلاق ہو) SECP فراہم کرے (متعلقہ دستاویزات منسلک ہوں)
صفحہ 15- پارٹ III- ڈیٹا شیٹ (ITB7) لازمی انتخاب/ اہلیت/موافقت معیار) SECP-5 ان کارپوریشن سرٹیفکیٹ (اگر قابل اطلاق ہو)	صفحہ 15- پارٹ III- ڈیٹا شیٹ (ITB7) لازمی انتخاب/ اہلیت/موافقت معیار) SECP-5 ان کارپوریشن سرٹیفکیٹ

ٹینڈر بڈنگ دستاویز کے تمام دیگر قواعد و ضوابط وہی برقرار رہیں گے۔

نوٹ:

پروکیورمنٹ اسپیشلسٹ (MEC)

مانیٹرنگ اینڈ ایوالیویشن سیل، P&D ڈپارٹمنٹ

کمرہ نمبر 3rd.419E فلور، تعلق ہاؤس

سندھ سیکریٹریٹ نمبر 2 کراچی

فون نمبر 021-99211927/99211403

INF-KRY No. 2072/23

پڑھے گا سندھ تو پڑھے گا سندھ

دفتر رجسٹر انڈیا





# گورنمينٽ آف سنڌ

## پلاننگ اينڊ ڊولپمينٽ ڊپارٽمينٽ

### (مانیٽرنگ اينڊ اويليوئيشن سيل)

روم نمبر. E-419، ٿرڊ فلور، تغلق هائوس، سنڌ سيڪريٽريٽ  
نمبر. 2، ڪراچي، فون # 021-99211927 www.mecsindh.gov.pk

## تصحيح

### ٽينڊر گھراڻن لاءِ نوٽيس

”مانیٽرنگ اوزار جي پروڪيورمينٽ“ لاءِ مانیٽرنگ اينڊ اويليوئيشن سيل، پلاننگ اينڊ ڊولپمينٽ ڊپارٽمينٽ، سنڌ حڪومت جو ٽينڊر گھراڻن لاءِ نوٽيس اشتهار نمبر (INF/KRY NO. 1693/2023) روزاني ”ڊان“، روزاني ”جنگ“ ۽ روزاني ”ڪاوش“ ۾ تاريخ 04 مئي 2023 تي شايع ٿيل جي حوالي سان اطلاع ٿو ڏجي ته واک دستاويزن ۾ هيٺيون درستگيون ڪيون ويون آهن.

درخواست ڪيئن ڏجي	
پڙهو	لاءِ
بيج نمبر 3 اهليت معيار	بيج نمبر 3 اهليت معيار
واڪ ڏيندڙ ايڪٽو ٽيڪس پيئر هجي ۽ انڪم ٽيڪس نمبر سرٽيفڪيٽ (NTN) ۽ FBR سان GST رجسٽريشن سرٽيفڪيٽ ڪارگر پيش ور ٽيڪس ور ٽيڪس سرٽيفڪيٽ ۽ سيلز ٽيڪس لاڳاپيل سرٽيفڪيٽ ۽ سيلز ٽيڪس لاڳاپيل سرٽيفڪيٽ (SRB) سان رجسٽريشن (لاڳاپيل دستاويزن) (جيڪڏهن لاڳو ٿيڻ جوڳو هجي).	واڪ ڏيندڙ ايڪٽو ٽيڪس پيئر هجي ۽ انڪم ٽيڪس نمبر سرٽيفڪيٽ (NTN) ۽ FBR سان GST رجسٽريشن سرٽيفڪيٽ ڪارگر پيش ور ٽيڪس ور ٽيڪس سرٽيفڪيٽ ۽ سيلز ٽيڪس لاڳاپيل سرٽيفڪيٽ ۽ سيلز ٽيڪس لاڳاپيل سرٽيفڪيٽ (SRB) سان رجسٽريشن (لاڳاپيل دستاويزن) (جيڪڏهن لاڳو ٿيڻ جوڳو هجي).
بيج نمبر 15 پارٽ-III ڊيٽا شيٽ (ITB 7) لازمي چونڊ / اهليت / موت ڏيڻ جو معيار	بيج نمبر 15 پارٽ-III ڊيٽا شيٽ (ITB 7) لازمي چونڊ / اهليت / موت ڏيڻ جو معيار
SECP 5. انڪارپوريشن سرٽيفڪيٽ (جيڪڏهن لاڳو ٿيڻ جوڳو هجي)	SECP 5. انڪارپوريشن سرٽيفڪيٽ

ٽينڊر واک دستاويزن جا ٻيا سمورا شرط ۽ ضابطا ساڳيا رهندا.

پروڪيورمينٽ اسپيشلسٽ (MEC)

مانیٽرنگ اينڊ اويليوئيشن سيل، P&D ڊپارٽمينٽ

روم نمبر E-419، ٿرڊ فلور، تغلق هائوس،

سنڌ سيڪريٽريٽ نمبر. 2، ڪراچي

فون نمبر: 021-99211927 / 99211403

INF/KRY.No.2072/2023

پڙهندي سنڌ ..... ته وڌندي سنڌ



DAWN THURSDAY MAY 4, 2023

**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:

Name of Work	Tender Schedule Date and Time				Tender Fees Rs.	Bid Security
	Issue	Sale	Submission	Opening		
	From	To				
"Procurement of Monitoring Equipment" AD(A&A)/52(MEC)/P&D/2023/-	11/05/2023 (During working hours)	25/05/2023 (During working hours)	26/05/2023 Up to 3:00 pm	26/05/2023 Up to 3:30 pm	Rs. 3,000/-	2% of the 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 <b>similar nature of work</b> / relevant field.
02	Bidder should be Active Taxpayer and provide Income Tax Number Certificate (NTN) & GST Registration Certificate with FBR Valid Professional Tax Certificate & Registration with (SRB) <b>Sindh Revenue Board for Sales Tax, SECP</b> (Attach relevant documents)
03	The details of turnover (in terms of Rupees) of <b>at least last three years</b> 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:

- 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"**.
- Bidders are requested to give their Best & Final prices as "no negotiations" are permitted.
- Bidding documents are available from the websites of Monitoring & Evaluation Cell ([www.mecsindh.gov.pk](http://www.mecsindh.gov.pk)) & SPPRA ([www.pprasindh.gov.pk](http://www.pprasindh.gov.pk))
- 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.
- 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**

پڑھندی سندھ ته ..... وڈندی سندھ.

INF-KRY: No. 1693/23



**حکومت سندھ**  
**پلاننگ اینڈ ڈیولپمنٹ ڈپارٹمنٹ**  
**(مائیسٹرنگ اینڈ ایجوکیشن سیکٹر)**  
**ٹینڈر طلبی نوٹس**

پلاننگ اینڈ ڈیولپمنٹ ڈپارٹمنٹ، حکومت سندھ میں مائیسٹرنگ اینڈ ایجوکیشن سیکٹر (MEC)، سندھ میں ایجوکیشن پورٹ فولیو کی مائیسٹرنگ ڈیل کرتا ہے۔ اب یہ موجودہ مائیسٹرنگ اینڈ ایجوکیشن سیکٹر میں بہتری کا نوا اعلان ہے۔ اس سلسلے میں اسے ADP 2022-23 سیکور نمبر 2632 بعنوان "معدہ آبادی اور سکولوں میں M&E سیکٹر کے علاقہ کی دقت کی اسٹریٹجک اینڈ کنکوشن بلڈنگ کی لاگت سے ایک فنڈ اینڈکشن موصول ہوئی ہے یہ عوامی ہے کہ اس شخص کردہ فنڈ کی باتوں کے نوا کا اطلاق اعلیٰ اور اعلیٰ پر کیا جائے۔

مائیسٹرنگ اینڈ ایجوکیشن سیکٹر (MEC) کی ایجوکیشن ڈیولپمنٹ ڈپارٹمنٹ، حکومت سندھ آفریٹ بنیاد پر سندھ ڈیل کاموں کے لئے میونسپلٹیوں/ذرائع/گورنمنٹ/اسٹریٹیجک اینڈ ایجوکیشن سیکٹر سے ایک مرحلہ والا طریقہ رول نمبر (2) 46 ایس بی پی آر سے 2010 (ترمیم شدہ) پر عمل) پر سیکور نمبر پیشکش طلب کرتا ہے۔

کام کا نام	ٹینڈر سسٹم کی تاریخ اور وقت				ٹینڈر فیس	ڈیڈ لائن
	ایس بی پی آر/سندھ ڈیل	ایس بی پی آر/سندھ ڈیل	ایس بی پی آر/سندھ ڈیل	ایس بی پی آر/سندھ ڈیل		
"مائیسٹرنگ اینڈ پورٹ کانسول" (MEC) A&A/52/AD (P&D/2023)۔	11-05-2023	25-05-2023	26-05-2023	26-05-2023	3000/- روپے	کل پیشکش مائیت کی 2%
	(وقت کار کے دوران)	(وقت کار کے دوران)	سہرے 3:00 بجے تک	سہرے 3:30 بجے تک		

**پیشکش کے اجرا/جمع کرانے اور کھلنے کے لئے ٹینڈر کاپیا/مقام**

اسسٹنٹ ڈائریکٹر (MEC) (A&A)، مائیسٹرنگ اینڈ ایجوکیشن سیکٹر، P&D ڈپارٹمنٹ کمر نمبر 419-E، تعلق ہاؤس، سندھ سیکرٹریٹ نمبر 2، کراچی فون نمبر 021-99211927/99211403، (ای میل: ddo.mecpdd@gmail.com)۔

**معیار اہلیت:**

- 01- پیشکش دہندہ وہی طرح کی نوعیت کے کام/مختلق شعبہ میں کم از کم 05 برس کے تجربہ کار ہونا چاہئے۔
- 02- پیشکش دہندہ فعال لیس اور اکنڈ ہو اور FBR سے ٹیکس نمبر سرٹیفکیٹ (NTN) اور سی ایس ٹی رجسٹریشن سرٹیفکیٹ، کارآمد پروڈکشن لیس سرٹیفکیٹ اور سیکورٹس کے لئے (SRB) سندھ ریویو بورڈ، SECP سے رجسٹریشن فراہم کرے۔ (مختلق دستاویزات منسلک کریں)
- 03- کم از کم گزشتہ تین برس کے کارن اور (روپوں کی شرح میں) کی تصدیقات کر گزشتہ تین برس کا اوسط کارن اور مالیاتی گوشوارہ یا بینک اسٹیٹمنٹ کی مدد سے 100 ملین روپے فی سال سے کم نہ ہو۔
- 04- حلقہ نامہ کار فرم بلیک لسٹ نہیں اور پاکستان میں کسی فعال مقدمے بازی میں ملوث نہیں ہے۔
- 05- ISO 9001 سرٹیفیکیشن
- 06- نوٹ: پیشکش دہندہ Part-IV BOQ میں درج شدہ تمام اظہار کے لئے پیشکش کریں، مکمل پیشکش کرنے کی صورت میں پیشکش پر مزید تفصیلات کے لئے غور نہیں کیا جائے گا۔

**شہادت:**

- 01- نوا اعلان شدہ کارڈینل فیس بھل ہے آراء اور اعلیٰ DDO اسٹریٹجک اینڈ کنکوشن بلڈنگ آف ریجنل آفس M&E سیکٹر بمقام سیکرٹری ایجوکیشن کے ساتھ ڈیڈ لائن کی وجہ سے اس کے لئے زبردستی کے آخر میں اسے لکھنا پڑی اور نوا اعلیٰ میں منع کر سکتے ہیں۔
- 02- پیشکش دہندگان سے اپنی بہترین اور حتمی قیمتیں دینے کی درخواست ہے جیسا کہ "گفت و شنید" کی مہارت نہیں ہے۔
- 03- ڈیڈ لائن دستاویزات مائیسٹرنگ اینڈ ایجوکیشن سیکٹر (www.mecsindh.gov.pk) اور (www.pprasindh.gov.pk) SPPRA ویب سائٹس سے دستیاب ہیں۔
- 04- منع کرانے/کھلنے کی تاریخ اور وقت کو غور و امور حال یا حکومت کی جانب سے قطعی کے اعلان کی صورت میں ٹینڈر مائیت اور مقام پر اکنڈ ایجوکیشن منع کرانے/کھلنے کا جائزہ لیا جائے گا۔
- 05- M&E سیکٹر P&D ڈپارٹمنٹ SPPR ریز 2010 (ترمیم شدہ) پر عمل) کی مختلق شعبہ سے مشروط ڈیڈ لائن عمل کو منسوخ کرنے کا حق حاصل ہے۔

دستخط: پروکیورمنٹ اسپیشلسٹ (MEC)

مائیسٹرنگ اینڈ ایجوکیشن سیکٹر، P&D ڈپارٹمنٹ  
 کمر نمبر 419E، 3rd فلوئر، تعلق ہاؤس، سندھ سیکرٹریٹ نمبر 2، کراچی  
 کراچی فون نمبر 021-99211927/99211403

INF/KRY-No.1693/2023

**پڑے سندھ تو۔۔۔۔۔ پڑے سندھ**

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## گورنمينت آف سنڌ

پلاننگ اينڊ ڊولپمينٽ ڊپارٽمينٽ  
(مانيترينگ اينڊ اويليوٽيشن سيل)

## ٽينڊر گھراڻي لاءِ نوٽيس

پلاننگ اينڊ ڊولپمينٽ ڊپارٽمينٽ، سنڌ حڪومت جو مانيترينگ اينڊ اويليوٽيشن سيل (MEC) سنڌ ۾ پورٽوليو نهڻ جي عمل جي نگراني ڪندو آهي. هاڻي اهو پنهنجو موجوده نگراني ۽ چنڊڇاڻ جو نظام سڌارڻ چاهي ٿو. ان حوالي سان، ان کي اي ڊي پي اسڪيم 2022-23 اسڪيم نمبر 2632 بعنوان ”حيدرآباد ۽ سکر ۾ ايمر اينڊ اي سيل جي ريجنل آفيسن جي مضبوطي ۽ ڪئپسٽي بلڊنگ“ جي لاڳت لاءِ فنڊ اليوڪيشن وصول ٿي آهي. ان مختصر ڪيل فنڊ جي حصي کي اهل اداڪارن تي خرچ ڪرڻ جو ارادو آهي.

مانيترينگ اينڊ اويليوٽيشن سيل (MEC)، P&D گورنمينٽ آف سنڌ آڱر ۾ بنياد تي هيٺين ڪمن لاءِ ايس پي پي آر اي رولز 2010 (هيستائين ترميم ٿيل) جي رول (2) 46 تحت مينوٽيڪچرز / فرم / ڪمپني / ڊسٽريبيوٽرز / سپلائرز کان سنگل اسٽيج نو اينيولپ طريقا تي مهربند واک گھراڻي ٿو.

ڪم جو نالو	ٽينڊر شيڊيول تاريخ ۽ وقت				واڪ
	اجراءِ / وڪرو		جمع ڪرائڻ	ڪولڻ	
	ڪل	تائين			
مانيٽرنگ نوز جي پراڻي بئنڊ (A&A) ۽ (MEC) ۽ (P&D) ۽ (2023/	11.05.2023	25.5.2023	26.05.2023	26.05.2023	3000
	(آفيس)	(آفيس)	ٽيپري 3	ٽيپري 3.30	رپيا
	وقت دوران	وقت دوران	وڳي تائين	وڳي تائين	رقم جو 2%

واڪ اجراءِ / جمع ڪرائڻ ۽ ڪولڻ لاءِ ٽينڊر جي ايڊريس/ هنڌ:

اسسٽنٽ ڊائريڪٽر (A&A) (MEC)، مانيترينگ اينڊ اويليوٽيشن سيل، پي اينڊ ڊي ڊپارٽمينٽ، روم نمبر 419-اي، تغلق هائوس، سنڌ سيڪريٽريٽ نمبر 2، ڪراچي، فون نمبر 02199211927 / 99211403 (اي ميل: ddo.mecpdd@gmail.com).

اهليت معيار:

1. واک ڏيندڙ لازمي طور لاڳاپيل شعبي / ساڳي نوعيت جي ڪم ۾ گهٽ ۾ گهٽ 5 سالن جو تجربو رکندڙ هجي.
2. واک ڏيندڙ ايڪسٽنٽيڪس پيئر هجي ۽ انڪم ٽيڪس نمبر سرٽيفڪيٽ (اين تي اين ۽ جي ايس تي، ايف بي آر سان رجسٽريشن سرٽيفڪيٽ، پيش ور ٽيڪس سرٽيفڪيٽ ۽ ايس آر بي سان رجسٽريشن سيلز ٽيڪس لاءِ سنڌ روئينو بورڊ، SECP (لاڳاپيل دستاويز لڳايا وڃن).
3. ٽرن اوور جا تفصيل (ريپن جي صورت ۾) گهٽ ۾ گهٽ گذريل ٽن سالن جي، سراسر ٽرن اوور گذريل ٽن سالن جو هر سال 100 ملين رپين کان گهٽ نه هجي، مالي اسٽيٽمينٽ يا بينڪ اسٽيٽمينٽ تحت.
4. قسمر نامو ٽر فرم پاڪستان ۾ بليڪ لسٽ ٿيل نه آهي ۽ نه ئي ڪنهن مقدمي بازي ۾ ملوث آهي.
5. ISO 9001 سرٽيفڪيشن.
6. نوٽ: واک ڏيندڙ پارت-BOQ IV ۾ ڄاڻايل سمورن آئٽمز لاءِ آڱر آهي. ان مڪمل آڱر جي صورت ۾ واک تي وڌيڪ چنڊڇاڻ لاءِ غور نه ڪيو ويندو.

هدايتون:

1. خواهشمند شرڪت ڪندڙ واک دستاويزن جي اجراءِ لاءِ پنهنجي درخواست پنهنجي ليٽر هيڊ تي هيٺ صحيح ڪندڙ جي آفيس ۾ جمع ڪرائڻ سان گڏ ٽينڊر في بصورت پي آر ڊي پي او ”حيدرآباد ۽ سکر ۾ ايمر اينڊ اي سيل جي ريجنل آفيسن جي مضبوطي ۽ ڪئپسٽي بلڊنگ“ جمع ڪرائڻ.
2. واک ڏيندڙن کي درخواست ٿي ڪجي ته پنهنجا بهترين ۽ حتمي آڱر ڏين جيئن ته ڳالهين جي اجازت نه هوندي.
3. واک دستاويز مانيترينگ اينڊ اويليوٽيشن سيل (www.mecs.ndh.gov.pk) ۽ ايس پي پي آر اي (www.pprasingh.gov.pk) تي دستياب آهن.
4. جمع ڪرائڻ / ڪولڻ واري تاريخ ۽ وقت تي ائٽر حالتن ٿيڻ يا حڪومت پاران موڪل ڪرڻ جي صورت ۾ ٽينڊر ورڊنڊ ڪم ڪار واري ڏينهن ساڳئي وقت ۽ هنڌ تي جمع ڪيا / ڪوليا ويندا.
5. ايمر اينڊ اي سيل پي اينڊ ڊي ڊپارٽمينٽ ايس پي پي رولز 2010 (هيستائين ترميم ٿيل) جي لاڳاپيل فرقن جي شرط سان واک عمل کي منسوخ ڪرڻ جو حق محفوظ رکي ٿي.

پروڪيورمينٽ اسپيشلسٽ (MEC)

مانيترينگ اينڊ اويليوٽيشن سيل، P&D ڊپارٽمينٽ

روم نمبر 419-اي، ٿرڊ فلور تغلق هائوس

سنڌ سيڪريٽريٽ نمبر 2، ڪراچي

فون نمبر: 021-9921127/99211403

INF/KRY.No.1693/2023

پڙهندي سنڌ ..... ٿرڊ فلور 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.

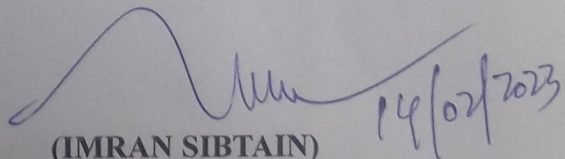
**-SYED HASSAN NAQVI-  
CHAIRMAN, P&D BOARD, SINDH**

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

**Karachi, 14<sup>th</sup> 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-I)/(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 (To be nominated by Head of Procuring Agency)	Member

**TERMS OF REFERENCES (TORs)**

- The Complaint Redressal Committee (CRC) upon receiving a complaint from an aggrieved bidder may, if satisfied;
- Prohibit the Procurement Committee from acting or deciding in a manner, inconsistent with these rules and regulations;
- Annul in whole or in part, any unauthorized act or decision of the Procurement Committee; and
- 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.
- 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:

Karachi, 26<sup>th</sup> December, 2022

A copy is forwarded for information and necessary action to:

- The Accountant General Sindh, Karachi.
- The Chairman/All Members of Committee.
- Deputy Director (A&A), Monitoring & Evaluation Cell, P&D Deptt, Govt. of Sindh, Karachi.
- P.S to Chairman P&D Board Sindh, Karachi.
- P.S to Secretary (Planning), P&D Board Sindh Karachi.
- ~~P.S to DG (MEC), P&D Department, Government of Sindh, Karachi.~~

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(IMRAN SIBTAIN)  
SECTION OFFICER (ADMIN-I)  
PH: 021-991211926





No. AD(A&A)/052/MEC/P&D/2023 290  
GOVERNMENT OF SINDH  
PLANNING & DEVELOPMENT BOARD SINDH,  
(MONITORING & EVALUATION CELL)

Karachi, dated: 3<sup>rd</sup> May, 2023

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, 6<sup>th</sup> 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.

*[Handwritten signature]*  
3/5/23  
R&I Incharge  
Advertisement Section  
Information Department  
Govt. of Sindh, Karachi

*[Handwritten signature]*  
(Saeed Ahmed Nizamani)  
Procurement Specialist (MEC)  
Tel: 021-99211927

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. 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:

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

- 01 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](http://www.mecsindh.gov.pk)) & SPPRA ([www.pprasindh.gov.pk](http://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. 021-99211927 / 99211403







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

Karachi, dated: 19<sup>th</sup> May, 2023

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, 20<sup>th</sup> 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.

*Handwritten signature and date: 19/5/23*  
R&D Incharge  
Advertisement Section  
Information Department  
Government of Sindh, Karachi

*Handwritten signature*

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

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 [www.mecsindh.gov.pk](http://www.mecsindh.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: 4<sup>th</sup> May, 2023 for “Procurement of Monitoring Equipment” following correction is being made in bidding document i.e.

How to apply	
For	Read
<b>Page-3</b> <b>Eligibility Criteria</b>  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)	<b>Page-3</b> <b>Eligibility Criteria</b>  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)
<b>Page-15</b> <b>Part-III Data Sheet (ITB 7 Mandatory Selection / Eligibility / Responsiveness criteria)</b>  5. SECP Incorporation certificate	<b>Page-15</b> <b>Part-III Data Sheet (ITB 7 Mandatory Selection / Eligibility / Responsiveness criteria)</b>  5. 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

