

Tender Document for Traffic Counting System

Name of Purchasing Entity: PMU-ERKF, Industries Department Govt. of Khyber Pakhtunkhwa

Loan or credit number. TF-0A4251-PK

Loan or credit amount. US \$ 12 Million

Contract title: Procurement of Traffic Counting System.

Purchaser's address:

Project Director,
Project Management Unit (ERKF).
House#358, Khyber Colony#2, Opposite Frontier Blood Foundation
University Road, Tehkal Payan Peshawar.
Ph: 091-9218051
Email: pmuerkf@gamil.com

Scope of Work:

Supply & Installation of 02 Traffic Counting System at Hassamabad and Naran.

General Terms and conditions:

Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the World Bank.

All goods and related services to be supplied under the contract shall have their origin in eligible source countries, defined in the IBRD Guidelines for Procurement, and all expenditures made under the contract will be limited to such goods and services.

The Bidder shall bear all costs associated with the preparation and submission of its bid, the Purchaser will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser shall be written in English.

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.

Prices indicated on the Price Schedule shall be delivered duty paid (DDP) prices.

The quoted price shall include all Govt. applicable taxes, and supply and installation charges to site i.e Hassamabad and Gitidas one at each site.

Prices shall be quoted in Pak Rupees and shall be fixed during the performance of contract.

In the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in the Purchaser's country;.

The offered price shall remain valid for 90 days

Alternate bids will not be acceptable

Any bid received by the Purchaser after the deadline for submission of bids i.e. 26th March 2020 1430hrs by the Purchaser will be rejected and returned unopened to the Bidder, bids will be open on same date and time at the purchaser address.

Bidder meets the qualification criteria below listed criteria

The bidders must be Sales Tax and Income Tax registered and must be on active Tax payer list of FBR.

The bidder must be a manufacturer or authorize agent of the manufacturer of required equipment in Pakistan from last Three (03) years. valid authorization certificate of manufacture must be provided.

With a minimum of Five (05) years of experience in supplies of similar nature of item's. Should have a documented track of suppling at least Ten (10) similar assignments, during last Five (05) years.

The bidder must provide quality assurance certificates, along with performance satisfactory report from the last supplies made.

The bidder must not be blacklisted by any Government/Semi Govt. organization in Pakistan and no litigation is under way by any organization.

The bidder should have after-sale services facility.

Item must be delivered and installed within two months' time from issuance of purchase order

Bid must be singed and stamped.

One-year warrantee should be provided.

Non-Compliance of any of the above will result in rejection of bid.

Documents to be attached with the Bid:

- Documentary evidence of the legal name and status of the firm
- NTN, STRN, and evidence of Active Tax payer certificates.
- Manufacture warrantee certificate
- Documentary proof of pervious supplier, including name of the client, year of supply, quantity of the supply.
- Declaration of firm not being blacklisted or under litigation by any Govt. /Semi Govt. or other organization in Pakistan.
- Delivery Schedule of the supply.
- Brochures, technical specification, literature of the offered brand.
- Performance satisfactory report from last supply made.
- Authorization certificate of manufacturer.

Non provision of any of the above will result in rejection of bid.

Technical Specifications.

S#	Item with required specs	Qty
1	<p>TRAFFIC SENSING CAMERA</p> <p>Technical Specification Image Sensor 1/1.6 inch or above Shutter CMOS Minimum Resolution 3 MP, 2048 (H)×1536 (V) or above Lenses Motorized/ Auto Iris ANPR Distance 18 ~ 25 m Day/Night Auto ICR Network Interoperability CGI, SDK, Onvif Ingress Protection IP67 Working Environment Temperature -40°C~ +80°C,</p> <p>Intelligence License Plate Recognition (ANPR) Embedded Vehicle Detection, radar detection Vehicle Data Structuring (8 No. of Size, 8 No. of Color or above) Flow Detection Statistical data (time, date, statistical, average speed)</p> <p>Interfaces Ethernet 1 × 100/1000M Ethernet port</p> <p>Bracket & Mounting Material: SECC and SUS304 Stainless Steel Dimensions: Fit For Traffic Sensing Camera Operating Temperature: -40° C to 60° Load Bearing: 10.0 kg (22.05 lb)</p>	08
2	<p>BULLET NETWORK CAMERA</p> <p>1/1.6" 4MP progressive scan CMOS H.265 Support , Lens Fixed-focal upto 25/30 fps@2688 × 1520, WDR (140 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC IR Minimum 120feet, IR LED x 4 IP67,IK10 Features: Face Detection, Trip Wire, intrusion, Vehicle detection, Object Abandone Ethernet RJ-45 (10/100 Base-T) PoE (802.3af) Metallic Casing</p>	04
3	<p>SURVELLIENCE SERVER</p> <p>SYSTEM HARDWARE Processor Intel i5-6600, 4/64 Core/bit Embedded Linux-OS, RAM 8GB Motherboard support 7×24 operation Hard disk hot swap Redundant Power Supply</p> <p>INTERFACES 4 x GE, 2x USB, 3x HDMI Camera Support 500 with 2000 Channels ANPR Camera support 60 IN/OUT Put Bandwidth 700/700 Mbps Storage upto 80TB Raid Supported or above Rack Mount, Power 315W, SDK Supported</p> <p>SYSTEM SOFTWARE Vehicle Blacklist (Arming & Disarming, Management) Average Speed (Location & region Configuration) System Management (Dash Board, Logs, Backups, Security, Terminal interface) Data Base reports, Snap Shot, Instant Playback, Real Time View, Screen Display.</p>	02
4	<p>SURVELLIANCE GRADE HARD</p> <ul style="list-style-type: none"> • 6TB 128MB Cache SATA 6.0Gb/s Internal Hard Drive • Precision-tuned for high write surveillance workloads • Reliably performs in multi-drive systems with RAID support 	08

5	<p>TRAFFIC SENSORS</p> <p>Strobe Lamp 4 Per site IR light LED 24 Cree Beads Distance 20m illumination range, 850 nM filter Ingress protection of IP65 Support video synchronisation Support snapshot synchronisation Support adjusting frequency of stroboflash Support adjusting brightness Support RS485</p> <p>Snap Flasher 4 Per site 1 snapshot signal input White light Flash, Recycle Time 80ms, support 2 continuous snapshot Exposure 64GN,Flash Duration 1/3000s Light Distance 20 m or above , Flash Lifetime ≥250 million times Cover lane 1 lanes, Temperature: -40 °c to +60°c Ingress Protection IP65</p> <p>Vehicle Sensor 4 per site Channel 4 Communication Port One RS485 port AB Logic Detection Response time<20ms Channel Sensitivity 8 Levels</p> <p>Radar 4 per site: Micro beam array, IP65 24 Ghz or above frequency Capture Speed: 10-250 Km/Hrs. Operating Temperature: -30 °c to +70°c</p>	02
6	<p>DISPLAY SCREEN FOR 24/7 OPS</p> <p>Industrial grade Supports 1920 x 1080 Resolution, 43" Display, 178/178° Viewing Angles, 6:9 Aspect Ratio, Brightness 300 cd/m² or above 1 x VGA ,1 x HDMI Industrial LCD panel suitable for 24/7 operation 5 ms response time minimizes ghosting LED backlight,3D comb filter and 3D-DNR 16.7 million display colors</p>	02
7	<p>POLE FOR ROAD MONITORING</p> <p>Height 6.1 Meter (Dia 6 Inch) Arm Length 4.5 meter (Dia 4 Inch) Shape Octagonal Material ASTM573 Hot DIP galvanized , color polyester power face to face joint mode Sheet Gauge Minimum 3mm</p>	04
8	<p>NETWORK SWITCH</p> <p>Interfaces 8x GE ports + 2x GS Power over port 802.3-at Switching capacity:192Gbps Industrial Working Operating temperature: -40 to 80 °C; Operating humidity: 5% to 95%</p>	04
9	<p>Router 1 Per Site</p> <ul style="list-style-type: none"> • Triple-chain wireless 2.4 GHz & 5 GHz • 802.11a/n/ac on 2.5 dBi Antenna • 720 MHz CPU,128 MB of RAM • 5 Giga Ethernet 1 SFP Port 	02

	<ul style="list-style-type: none"> • USB port for 3G/4G modem • Layer 3 Features VPN, Firewall, Vlan, Routing (Static, RIP, Dynamic) Neighbor Discovery for CCTV <ul style="list-style-type: none"> • Monitoring (Graph, Port Traffics) • Interfaces (GUI, WEB, CLI) • Scheduler (for remote Reboot) Surge Protector 4 Per Site Interface (2) RJ45 Female Connectors ESD/EMP Protection Absorbing Transient Current with Response to Surge Voltage from 100V/s to 1kV/μs DC Spark-Over Voltage 90V @ 100V/s Maximum Impulse Spark-over Voltage 700V @ 1kV/μs Discharge Current 5kA (Maximum) 0.5kA (Normal)	02
10	CABLING Supply Installation along with allied accessories Ethernet Cable 1500 Feet Cat-6/5 enhance Cable, Out Door Standard Carrier Class with Drain wire for Camera Earthing along with Duct/PVC/Flexible Pipe. Ethernet Connectors 100 PC Specialized Drain hook for Drain wire connectivity with Surge Protectors POWER CABLE 1000 feet Power Cable 3 Core 7/36 Pure Copper along with Duct/PVC/Flexible Pipe	01
11	PORTA CABIN Size 6 x 8 x 10 Feet (WxHxL) Heat proof ,Water proof Customized Steel frame inside wall Insulation Aluminum frame glass sliding windows Inner Outer paint (White & Green) Canopy structure over (3x)Electric board (light plug power plug, A.C. points)Thermopile insulation Full PVC Est Carpet flooring (1x) Aluminum window (1x) Door (4x) LEDs Lights (1x) bracket fan electrical sockets 15 Amp Industrial Socket Insertion Bracket Table ,Revolving chair , Cement Base 7x2x11, (WxHxL) Material: Steel frame galvanized sheet 27U server rack with 4x 6 ports network PDU	02
12	DATA MANAGEMENT Desktop PC 1 per site Core i5-9500 or above, 8GB RAM, 1 TB Hard disk, 2 GB dedicated Graphic card, 19.5” display, DVD writer, Wifi, Card, wired keyboard and Mouse, Window 10 professional OLP 64 bit (license should be received by the buyer directly and to be facilitated by the firm) 01 year local warranty Portable Hard Drive 1 Per Site Capacity 4TB Ingress Protection IP68 Interface USB 3.1 Gen1 / USB 3.0, USB 2.0 LED Indication of Process	02
13	POWER SYSTEM UPS 1 Per Site Rated Power 5KVA Voltage 230 VAC Frequency Range 50 Hz/60 Hz Power Factor ≥ 0.9 Battery Voltage 40~64 VDC Pure Sine wave Output Output Voltage 230VAC ± 5% Solar Charger MPPT Solar/AC Charge 80A/60A	02

	<p>Environment Temperature -15°C to 60°C</p> <p>Battery 4 Per site Votage 12V Type AGM-polymer-Gel Capacity 150Ah Charging Current 35 A or above Operating Temperature -15°C to 50°C</p> <p>Voltage Stabilizer 1 Per site Capacity 10 kVA Phase Single Phase Input Voltage Range 95-125V/ 190-250V Output Voltage 110V±6%/ 220V±3%</p> <p>Conventional Earthing System 1 per site Earthing System with the Provision of watering facility , tinned copper plate 600X600X3mm and copper strip 25X3mm) tinned Copper strip of size 25mmX3mm, copper strip 20 meter. IS:613 Copper rods for electrical purposes IS:1897 Copper strip for electrical purposes IS:3043 Code of practice for earthing</p>	
14	<p>SERVICES</p> <p>1)Civil Work (Digging, Road Cutting, Concrete, Reforming) 2)Passive Work(Cabling, Equipment Installation, Connections) 3)Engineering Work (Traffic Counting, No. plate recognition, Vehicle detection, Earth system Test report, Design of Work, 1 Month daily reporting from site after Completion, 1 Year on site support , with 1 year warranty to be handled by company) 4)Others (Transportation, Residence, Food)</p>	01
Optional:		
15	<p>REMOTE VIEW EQUIPMENTS</p> <p>Wireless Bridge 2 Per Site Processor Atheros MIPS 74Kc, 720 MHz, Compliance Frequency 5GHz , Firewall and Vlan Support, Antenna Gain 29 dBi with ± 15° tilt Dish, PTP 80MHZ, Networking Interface (1) 10/100/1000, Polarization Dual Linear Capacity 450+ Mbps, Range 27KM+,Power Supply 24V, 0.5A Gigabit PoE Max.</p> <p>GUY Wire Tower 200Feet Tripole, Guy wire supported, Concret Base, with all Allied accessories. Will be installed at two sites.</p>	

Note: Supplier will be responsible for Supply & Installation to the Project Site i.e Hassamabad and Naran.

The following information to be filled in by all bidders.

Name of Firm:	
Legal Status	
Firm Address	
No of Braches	
Website Address	
Contact Person	

Contact No	
Email Address	
NTN No	STRN No.
No year in Business	
Owner Name	

List of previous supplies:

S. No	Discription of Items	Brand	Qty	Year Supply	of	Client detail

Note: provide document proof of mentioned supplies

Compliance Sheet:

S. No	Document	Provided/ Not Provided	Annexure
01	Sales Tax and Income Tax registered on active Tax payer list of FBR.	Yes Or No	Annex-I
02	manufacturer or authorize agent of the manufacturer certificate	Yes Or No	Annex-II
03	Proof of minimum of Five (05) years of experience in supplies of similar nature machinery of offered brand	Yes Or No	Annex-III
04	Quality Assurance Certificates of the offered item	Yes Or No	Annex-IV
05	Performance Satisfactory Report from the last supplies made	Yes Or No	Annex-V
06	Declaration of firm not being blacklisted or under litigation by any Govt/Semi Govt or other organization in Pakistan	Yes Or No	Annex-VI
07	Documentary evidence of the legal name and status of the firm		Annex-VII
08	Brochures, technical specification, literature of the offered brand.	Yes Or No	Annex-VIII
09	Warrantee Certificate	Yes Or No	Annex-IX
10	2 % Bid security		Annex-X

Price Schedule.

S.No	Description of item	Brand	Country of origin	Unit Cost	Qty	Total Cost

Delivery Time lines: _____

Price must be included of all applicable taxes.

Letter of Acceptance of the World Bank's
Anticorruption Guidelines and Sanctions Framework¹

Date: _____

Invitation of Bids/Proposals No. _____

To:

We, along with our sub-contractors, sub-consultants, service providers, suppliers, agents (whether declared or not) consultants and personnel, acknowledge and agree to abide by the World Bank's policy regarding Fraud and Corruption (corrupt, fraudulent, collusive, coercive, and obstructive practices), as set out and defined in the World Bank's Anti-Corruption Guidelines² in connection with the procurement and execution of the contract (in case of award), including any amendments thereto.

We declare and warrant that we, along our sub-contractors, sub-consultants, service providers, suppliers, agents (whether declared or not), consultants and personnel, are not subject to, and are not controlled by any entity or individual that is subject to, a temporary suspension, early temporary suspension, or debarment imposed by a member of the World Bank Group, including, inter alia, a cross-debarment imposed by the World Bank Group as agreed with other international financial institutions (including multilateral development banks), or through the application of a World Bank Group finding of non-responsibility on the basis of Fraud and Corruption in connection with World Bank Group corporate procurement. Further, we are not ineligible under the laws or official regulations of *[Insert name of Employer as per bidding document]* or pursuant to a decision of the United Nations Security Council.

We confirm our understanding of the consequences of not complying with the World Bank's Anti-Corruption Guidelines, which may include the following:

- a. rejection of our Proposal/Bid for award of contract;
- b. in the case of award, termination of the contract, without prejudice to any other remedy for breach of contract; and
- c. sanctions, pursuant to the Bank's Anti-Corruption Guidelines and in accordance with its prevailing sanctions policies and procedures as set forth in the Bank's Sanctions Framework. This may include a public declaration of ineligibility, either indefinitely or for a stated period of time, (i) to be awarded or otherwise benefit from a Bank-financed contract, financially or in any other manner;³ (ii) to be a nominated⁴ sub-contractor, sub-consultant, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract; and (iii) to receive the proceeds of any loan made by the Bank or otherwise to participate further in the preparation or implementation of any Bank-financed project.

We understand that we may be declared ineligible as set out above upon:

- a. completion of World Bank Group sanctions proceedings according to its prevailing sanctions procedures;
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- b. cross-debarment as agreed with other international financial institutions (including multilateral development banks);
- c. the application of a World Bank Group finding of non-responsibility on the basis of Fraud and Corruption in connection with World Bank Group corporate procurement; or
- d. temporary suspension or early temporary suspension in connection with an ongoing World Bank Group sanctions proceeding.

For avoidance of doubt, the foregoing effects of ineligibility do not extend to a sanctioned firm's or individual's execution of its ongoing Bank-financed contracts (or its ongoing sub-agreements under such contracts) that are not the subject of a material modification, as determined by the Bank.

We shall permit, and shall cause our sub-contractors, sub-consultants, agents (whether declared or not), personnel, consultants, service providers or suppliers, to permit the Bank to inspect⁵ all accounts, records, and other documents relating to the procurement process and/or contract execution (in the case of award), and to have them audited by auditors appointed by the Bank.

We agree to preserve all accounts, records, and other documents (whether in hard copy or electronic format) related to the procurement and execution of the contract.

Name of the Bidder/Proposer/Consultant: _____

Name of the person duly authorized to sign the Bid/Proposal on behalf of the Bidder/Proposer/Consultant:

Title of the person signing the Letter: _____
