



FATA University

Darra Adam Khel, FR Kohat

website: www.fu.edu.pk

SINGLE STAGE ONE ENVELOPE PROCEDURE

Last date of tender submission: **February 14, 2017 up to 11:00PM**

Opening date of tender: **February 14, 2016 at 11:30 PM**

Price= Rs.500/-

TENDER DOCUMENTS FOR THE PROCUREMENT OF COMPUTER AND OTHER ELECTRONIC ITEMS, RENOVATION WORK, WOOD AND IRON WOK & FURNITURE & FIXTURE

(**Note:** Please provide a soft copy of all documents in a USB/CD drive along with hard copy of the offer)

Document Issued By: Treasurer Office, FATA University, FR Kohat

Dated: 27-01-2017

Terms & Conditions

1. INVITATION TO BID

- 1.1 The Vice Chancellor, FATA University invites bids UNDER SINGLE STAGE SINGLE ENVELOPE PROCEDURE for the items as per list of items/works provided in the Tender document.
- 1.2 Bids must be submitted in sealed envelope, indicating its due date on the face of the envelope.
- 1.3 Earnest money @ 2% of the quoted items in the shape of **call deposit** in the name of Vice Chancellor, FATA University shall be submitted with the tender otherwise the tender documents shall not be entertained.
- 1.4 The quoted prices shall be inclusive of all types of admissible taxes.
- 1.5 The Vice Chancellor, FATA University, reserves the right to accept or reject any or all tenders in the light of PPRA Rules.

INSTRUCTION TO BIDDERS/GENERAL CONDITIONS

Eligible Bidders/Suppliers/contactor

- 1.1. This Invitation for Bids is open to all Bidder/Suppliers meeting the following requirements:
 - 1.1.1. Duly Registered with Federal Board of Revenue for Income Tax (Active Taxpayers) and Sales Tax.
 - 1.1.2. Manufacturer or authorized representative of the manufacturer.

2. Qualifications of the Bidder/Suppliers

- 2.1. The Bidder/Supplier/contractor shall provide documentary evidence that;
 - 2.1.1. The bidder/supplier has financial, technical, supplying, demonstration, fixing etc. capability necessary to perform the contract and has successful performance history in accordance to the nature of supplies in these bidding documents as described in Bill of Quantities.
 - 2.1.2. In case the bidder/supplier/contractor offering the supplies that the bidder/supplier did not manufacture or otherwise produce, the bidder/supplier has been authorized by the manufacturer or producer of such supply; and
 - 2.1.3. The bid must be complete in all technical specifications as specified in the tender documents. If any of the specifications, do not meet, the bid will not be considered in the competition, no matter what price is quoted by the bidder.

Obtaining of Bid Documents

- Tender documents having detailed specifications along with Terms & Conditions can be obtained from the **Vice Chancellor's Secretariat, FATA University, Darra Adam Khel, FR Kohat** on any working day before the due date and time. Those documents are required to be signed and attached with the letterhead of the bidding firm. No corrections/overwriting are allowed.

Submission of Bids

- The Bid is open to all the bidders who have maximum three (03) years of experience in installation/supplies of similar nature equipments to government / semi-govt / private company / department.
- Single stage-one envelope procedure of PPRA will be followed.
- Bids must be sent through courier and should reach the office at least half an hour before the scheduled time of opening.

Other Details

- After the bids / quotations are opened, no bidder shall be allowed to revise, propose or request any changes in bid, unless the committee decides to do so.
- The bidder or authorized representative shall sign on each page of the tender document. No corrections and overwriting are allowed.
- Item(s) should be quoted ANNEXURE-wise separately. Preference will be given to the firm(s) quoting maximum number of equipment ANNEXURE WISE, along with installation and commissioning/Turnkey solution. However, FATA UNIVERSITY reserves the right to opt any item/work from any bidder.
- ***Bidders are requested to read carefully the terms and conditions and sign the Tender Form in token of having understood and accepted the same in all respects. All or any of the provisions of the terms and conditions may be changed/alterd/modified/deleted/added or amended by the University as and when deemed suitable/necessary.***
- While quoting tender rates, the items should be given numbers as are numbered in the Tender Document.
- The tender Rate shall be item wise in Pak Rupees.
- The Tender Document must specify the Brand name and Model of the item where appropriate. Without specifying the Brand and Model the quotation will not be accepted for that item.
- Bidder is responsible for timely delivery of bids. This office will not be responsible for misplacement / tampering / non-attendance delay or any other incident in case the bids are not delivered at the designated place & time.
- The bidders should be either established firm or sole distributor / authorized dealer/ agent or Supplier registered with Sales and Income Tax Department and are included in the Active Tax Payers list.
- The payment of equipment is coupled with installation / commissioning of equipment; therefore, supplier should make sure that bid is complete in all respects including consumables etc.
- The bidders must enclose original Performa Invoice / Quotation from their Principals or authorization certification of the Principal, failing which their offers will be ignored.
- **Bidders should preferably have office, workshop facilities and after sales services preferably in Peshawar, Kohat and/or Islamabad/Rawalpindi.**
- Time of Delivery of all equipment etc. will be Maximum 30 days while renovation work, and furniture and fixtures will be completed within 60 days after the date of issuance of supply/work order at FATA University upon the bidder's own expenses.
- The firms conducting, renovation work, wood and iron work (including partitioning, furniture and fixture, iron grills, masonry etc) will have to start work immediately (within one week), after the issuance of work order, otherwise their call deposit will be forfeited and they will not be allowed to participate in any tendering process.
- The tender will be opened on _____ at _____ in the committee room of the university in the presence of bidders and procurement committee.
- Responsibility of late delivery will not rest upon this office.
- The Vice Chancellor FATA University reserves the right to reject all bids at any time prior to the acceptance of bids. The grounds of rejection will be communicated to the bidder(s) upon request. However, Vice Chancellor FATA UNIVERSITY

shall not be liable to provide any justification of those grounds.

DOCUMENTS TO BE SUBMITTED BY THE BIDDERS

1. Bidders are required to provide the following documents with the bid for evaluating the credibility of the bidders. If any of the following documents is missing, the bid will not be considered for further processing without any intimation to the bidder.
 - a. Brief Company profile
 - b. Certificate of relevant ownership / dealership / authorized agent
 - c. Number of relevant projects successfully completed
 - d. Audited report for the last three years
 - e. Income Tax return for the last three years
 - f. Sales Tax return for the last three years
 - g. Details of offices in Peshawar, Kohat and or Rawalpindi / Islamabad
 - h. Active Tax payers list (current)
 - i. Affidavit on judiciary stamp paper mentioning that you or your firm has never been blacklisted in the past.

Note:

By signing this agreement, the undersigned acknowledge that he has read and understood, and agree to be bound by, the terms and conditions as outlined in the agreement and confirming that his company/organization terms and condition stand eradicated.

Bidder/Supplier/Contractor signature

Dated: _____

Name: _____

Designation: _____

Company Name: _____

Contact No: _____

Mailing Address: _____

PART- A

SECTION-I

SERVERS AND NETWORK

| S.No | Item Name | Specifications | <u>Rate in PKR (Including All Govt. Taxes)</u> |
|------|--------------------|---|--|
| 1 | 42U Rack | <ul style="list-style-type: none"> • 800 x1000 mm, • lockable front perforated door, • including 4 two-way exhaust fan, • 2-fixed 1-sliding tray, • removable side panels, • black powder coated, • Loading capacity 800KG to 1000 KG • Cable Manager • Power Distribution Unit 12Way • Cable Ties, accessories • Durable/Imported/Good Quality | Rs. _____ per unit |
| 2 | 6U Rack | <ul style="list-style-type: none"> • Front lockable, • Semi perforated, • Wall Mounted • Two Exhaust Fans, • Fix Tray, • Mat finish, • High Quality with Single PDU, • Durable/Imported/Good Quality | Rs. _____ per unit |
| 3 | Rack Server | <ul style="list-style-type: none"> • 2U Rack Server • Processor: Intel® Xeon® octa core E5 Series Processor with minimum 12MB Cache • Min. 32GB RAM • Professional Class Motherboard (Q or C-Series) with min. 4 SATA and 4SAS ports • Built-in RAID Controller • 2TB 7200 RPM HDD • Dual Layer DVD RW +/- • Graphics: Intel HD Graphics • Chassis with support for installation of 4xHDDs (in addition to DVD Drive) and with a min. 450w power supply. • 27" FHD (1920x1080) LCD/LED • Wireless keyboard and mouse • Ready Rails Sliding Rails with Cable Management Arm • Installation and Commissioning • Note: The equipment/instrument should have the above specs or of better quality. It should be complete in all respect including all the necessary attachments, spares and accessories which can serve the purpose to its full satisfaction. | Rs. _____ per unit |

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| 4 | Layer 3 Managed Switch | <ul style="list-style-type: none"> • 24x10/100/1000BASE-T Ports, • 4x1GE SFP+/GE SFP Ports, • 10 or more aggregation groups, • Support Spanning Tree STP/RSTP/MSTP, LACP, • Support for 802.1q/p VLANs • SD-Card support • Traffic Management/Shaping • Advanced Routing feature • Includes support for IPv4 & IPv6 • Routing protocols OSPFv2, BGPv4, PIM-SM/DM and DVMRP • Includes support for IPv6 Routing protocol OSPFv3 • Installation and Commissioning • One year manufacturer warranty. | Rs. _____ per unit |
| 5 | Layer 2 Managed Switch | <ul style="list-style-type: none"> • 24x 10/100/1000BASE-T Ports • 4 SFP/SFP+ Ports • Support Spanning Tree STP/RSTP/MSTP, LACP, • Support for 802.1q/p VLANs • SD-Card support • Includes support for IPv4 & IPv6 • Traffic Management/Shaping • One year manufacturer warranty. | Rs. _____ per unit |
| 6 | Layer 2 Managed Switch | <ul style="list-style-type: none"> • 48x 10/100/1000BASE-T Ports • 4 SFP/SFP+ ports • Support Spanning Tree STP/RSTP/MSTP, LACP • Support for 802.1q/p VLANs • SD-Card support • Includes support for IPv4 & IPv6 • Traffic Management/Shaping • one year manufacturer warranty. | Rs. _____ per unit |
| 7 | Networking | <p>A complete networking solution for laying down the network wires, installing and connecting the network face plate, connecting the network I/Os with laid network cables.</p> <p>a. Ethernet pure copper 23AWG cable to be used for networking components.</p> | <p>Rs. _____ per meter</p> <p>Rs. _____ per foot</p> <p>Rs. _____ per unit</p> |

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| | | <ul style="list-style-type: none"> b. The cabling solution must include the per running feet cost of the ducts to be used for laying down the cables. c. Single Port networking face plate with enclosure box d. RJ-45 I/Os for face plates. e. Network Cable Tester f. Network Cable Clamping Tool g. Screw drivers set h. Laying of network cable along with ducts, installation of faceplates and I/Os. i. 20m single mode patch cords j. 5m single mode patch cords k. Pig tail with associate accessory for installation inside OFDF l. 40/76 flexible power wire for providing power connection to networking switches from UPS. | <ul style="list-style-type: none"> Rs. _____ per unit Rs. _____ per unit Rs. _____ per unit Rs. _____ per unit Rs. _____ per meter Rs. _____ per unit Rs. _____ per unit Rs. _____ per unit Rs. _____ per unit Rs. _____ per unit Rs. _____ per unit Rs. _____ per unit Rs. _____ per unit Rs. _____ per unit Rs. _____ per meter |
| TOTAL | | | |

SECTION-II

COMPUTERS & ACCESSORIES

| S.No | Item Name | Specifications | Rate in PKR (Including All Govt. Taxes) |
|------|--------------------------------|--|---|
| 1 | Laptop Core i7 | Brand name: _____ Model: _____ Laptop Core i7 <ul style="list-style-type: none">• Intel Core i7 (min. 6MB Cache, Quad Core)• 15.6" Antiglare Backlit LED Display with FHD (1920x1080)• 16GB RAM• Min. 2GB Graphics Card (nVidia/ATI Raedon)• 1TB SATA Harddisk• DVD RW±• USB 3.0 ports• Backlit keyboard• Battery backup of minimum 3hrs+• Original Carrying case• Local Warranty• Front panel LEDs for HDD, Power, WiFi, charger | Rs. _____ per unit |
| 2 | Laptop Core i5 | Brand name: _____ Model: _____ Laptop Core i5 <ul style="list-style-type: none">• Intel Core i5 (min. 4MB Cache)• 15.6" Antiglare Backlit LED Display with HD (1366x768)• 8GB RAM• Intel HD graphics• 1TB SATA Harddisk• DVD RW±• USB 3.0 ports• Battery backup of minimum 3hrs+• Original Carrying case• Local Warranty• Front panel LEDs for HDD, Power, WiFi, charger etc. | Rs. _____ per unit |
| 3 | Desktop Computer (Branded) (a) | Brand name: _____ Model: _____ <ul style="list-style-type: none">• Desktop (Branded) Tower Casing• Processor: Intel Core i3 (min. 3MB L3 Cache)• Memory: 4GB• Motherboard: MB with VGA/DVI and HDMI• Storage: 1TB 7200rpm Hard Disk Drive• Optical Memory: DVDRW± | Rs. _____ per unit |

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| | | <ul style="list-style-type: none"> • Display: 23" / 24" / 25" LED Display with FHD (1920x1080) Resolution with VGA/DVI and HDMI ports • Graphics: Integrated Intel® HD Graphics • Connectivity: Ethernet Gigabit LAN 10/100/1000 • Accessories: Optical Mouse, Wired Keyboard • Power Supply : 250/300/350 Watt • Warranty: Manufacturer Standard Warranty | |
| 4 | Desktop Computer Branded (b) | <p>Brand name: _____</p> <p>Model: _____</p> <ul style="list-style-type: none"> • Desktop (Branded) Tower Casing • Processor: Intel Core i5 (min. 4MB L3 Cache) • Memory: 4GB • Motherboard: MB with VGA/DVI and HDMI • Storage: 1TB 7200rpm Hard Disk Drive • Optical Memory: DVDRW± • Display: 23" / 24" / 25" LED Display with FHD (1920x1080) Resolution with VGA/DVI and HDMI ports • Graphics: Integrated Intel® HD Graphics • Connectivity: Ethernet Gigabit LAN 10/100/1000 • Accessories :Optical Mouse, Wired Keyboard, • Power Supply : 250/300/350 Watt • Warranty: Manufacturer Standard Warranty | Rs. _____ per unit |
| 5 | Desktop Computer Branded (c) | <p>Brand name: _____</p> <p>Model: _____</p> <ul style="list-style-type: none"> • Desktop (Branded) Tower Casing • Processor: Intel Core i7 (min. 6MB L3 Cache, Quad Core) • Memory: 4GB • Motherboard: MB with VGA/DVI and HDMI • Storage: 1TB 7200rpm Hard Disk Drive • Optical Memory: DVDRW± • Display: 23" / 24" / 25" LED Display with FHD (1920x1080) Resolution with VGA/DVI and HDMI ports • Graphics: Integrated Intel® HD Graphics • Connectivity: Ethernet Gigabit LAN 10/100/1000 • Accessories :Optical Mouse, Wired Keyboard, • Power Supply : 250/300/350 Watt • Warranty: Manufacturer Standard Warranty | Rs. _____ per unit |
| 6 | Scanner A3 Size | <p>Brand name: _____</p> | Rs. _____ per unit |

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|---|---------------------------------------|--|--------------------|
| | | Model: _____ Product type : A3 flatbed scanner, desktop type Scan technology: CIS, flatbed Color depth :Color: 48bit;24bit; Gray Scale: 16bit; 8bit; Line art: 1bit Max document size (h x v) : 297mmx420mm Supported media type : Plain paper Resolution : Optical 600×1200; Interpolated: 9600x9600dpi Scan speed : 11.2ms/line (color,USB1.1), 3.6ms/line (color, USB 2.0) Interface : USB 2.0 Light source: LED | |
| 7 | Scanner A4 Size | Brand name: _____ Model: _____ Type: Flatbed Scanner with ADF Speed:8ppm Scan Size Maximum: 8.5 x11 in, Maximum (ADF, 8.5x14 in (onesided), 8.5x12 in (Two Sided) Task Speed : Less Than 24 sec Enlargment Range: 10-2000% in 1% increment Scanning Side: Front/Back/Duplex Multi page Scanning, Scan both side of page automatically Scanning modes: B&W, Color Grayscale & 48 bit Color ADF Capacity: 50 Sheets capacity ADF Scanning Resolution: 2400x2400 dpi resolution Hi-Speed USB 2.0 | Rs. _____ per unit |
| 8 | Printer (Laser) (a) | Brand name: _____ Model: _____ <ul style="list-style-type: none"> • Black & White Laser Beam Printer Letter/A4 • Memory (RAM): 64 MB or higher • Duplex: Built –in- Automatic Two-sided • Paper Input: 200+ Sheets, • Multi-Purpose Try: 50 Sheets • Standard Interface: USB 2.0 High-Speed/Network Printing | Rs. _____ per unit |
| 9 | All In One Printer (Laser) (b) | Brand name: _____ Model: _____ <ul style="list-style-type: none"> • Device Type fax / copier / printer / scanner • Copier Type digital • Fax Type plain paper • Printing Technology Laser – monochrome • PC Connection 2 x USB host • Standard Memory 256 MB • Duplex Printing | Rs. _____ per unit |

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| | | <ul style="list-style-type: none"> • Interfaces USB 2.0 • Ethernet Gigabit LAN | |
| 10 | Printer (A3- Colour) Ink- Jet | Brand name: _____ Model: _____ Print on various paper types and sizes from 3.5 x 5 inches up to 13 x 19 inches, Duplex (Built-in Automatic), replacing only the individual ink cartridge that runs out. | |
| 11 | Multimedia Projector with Screen and Tripod Stand | Brand name: _____ Model: _____ 1. Resolution XGA (1024 x 768) 2. Brightness: 3000lumens 3. Keystone correction: V ±30° 4. VGA and/or HDMI input 5. Projector to projector input/output (VGA) 6. Screen 8x10 7. Misc. AC power cord, VGA to VGA cable (20m), HDMI cable (20m), remote control, carrying case, batteries for remote, multilingual CD-ROM user's manual, quick start card, and warranty card | Rs. _____ per unit |
| TOTAL | | | |

PART-B

MISCELLANEOUS ITEMS

| S.No | Item Name | Specifications | <u>Rate in PKR (Including All Govt. Taxes)</u> |
|------|---|--|---|
| 1 | Water Dispenser | Brand name: _____ Model: _____ <ul style="list-style-type: none"> • Bottled Water Dispenser with Refrigerator (Hot, Plain & Cold) • Refrigerator with thermostat • Easy to handle • Insulation protection | Rs. _____ per unit |
| 2 | Split Air Condition (Wall Mounted) With Stabilizer | Brand name: _____ Model: _____ 1. 1.5 Ton DC Inverter (HOT & Cold) 2. 18000 BTU 3. Energy Saver 4. Wireless Remote Control 5. 1 Year Parts Warranty | Rs. _____ per unit |
| 3 | Air Condition (Chiller) (Floor) With Stabilizer | Brand name: _____ Model: _____ 1. 1.5 Ton DC Inverter (HOT & Cold) 2. 18000 BTU 3. Energy Saver 4. Wireless Remote Control 5. 1 Year Parts Warranty | Rs. _____ per unit |
| 4 | Generator (a) | Brand name: _____ Model: _____ 25 KVA or Higher <ul style="list-style-type: none"> • Diesel Genset • Prime rating Generator set with world renowned branded engine (BRAND OF EUROPE/USA/JAPAN or equivalent) directly coupled with alternator. • The complete unit should be enclosed in Sound and Weather proof Canopy. • Engine should be minimum 3 cylinders, water cooled, 1500 Rpm, 3 phase, 50 Hz with single bearing 4 pole brushless alternator directly coupled with engine, IP23 Class. | Rs. _____ per unit |

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| | | <ul style="list-style-type: none"> The unit should be equipped with state of the art Digital Controller with AMF facility. The weather proof canopy should have external emergency stop switch, electronic fuel gauge, external fuel filling as well as external fuel sucking assembly with valve. Complete installation commissioning, foundation pad and earthing charges should be provided in the offer Power cable per meter should be quoted separately. | |
| 5 | Generator (b) | <p>Brand name: _____</p> <p>Model: _____ 50 KVA or Higher</p> <ul style="list-style-type: none"> Diesel Genset Prime rating Generator set with world renowned branded engine (BRAND OF EUROPE/USA/JAPAN or equivalent) directly coupled with alternator. The complete unit should be enclosed in Sound and Weather proof Canopy. Engine should be minimum 3 cylinders, water cooled, 1500 Rpm, 3 phase, 50 Hz with single bearing 4 pole brushless alternator directly coupled with engine, IP23 Class. The unit should be equipped with state of the art Digital Controller with AMF facility. The weather proof canopy should have external emergency stop switch, electronic fuel gauge, external fuel filling as well as external fuel sucking assembly with valve. Complete installation commissioning, foundation pad and earthing charges should be provided in the offer Power cable per meter should be quoted separately. | Rs. _____ per unit |
| 6 | Ac Stabilizer (Branded) | <p>Brand name: _____</p> <p>Model: _____ Power Conditioner 5kva/10 KVA Special For Very Low Voltage Input V : 80 to 280</p> | Rs. _____ per unit |
| 7 | Refrigerator | <p>Brand name: _____</p> <p>Model: _____</p> | Rs. _____ per unit |

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| | | Capacity of 320 liters / 11.30 Cft with dimensions 603 x 1411 x 595 mm of brand Dawlance, Orient, Haier or equivalent with following technical specification <ul style="list-style-type: none"> • Retains Cooling • Shelf Strength • Work effectively even at 50C • 5 Pipe Oil Cool Compressor • Copper Condenser | |
| 8 | Smart LED TV 40" | Brand name: _____ Model: _____ MAGIC REMOTE COMPATIBLE <ul style="list-style-type: none"> • NFC • WI-FI BUILT IN • Resolution FHD 1920 x 1080 or Higher • Backlight Module Slim LED | Rs. _____ per unit |
| 9 | Smart LED TV 56" | Brand name: _____ Model: _____ MAGIC REMOTE COMPATIBLE <ul style="list-style-type: none"> • NFC • WI-FI BUILT IN • Resolution FHD 1920 x 1080 or Higher • Backlight Module Slim LED | Rs. _____ per unit |
| 10 | Microwave Oven | Brand name: _____ Model: _____ <ul style="list-style-type: none"> • Smart Intel menu • 360 degree cooking system • Energy Savings • Capacity 20 Litre | Rs. _____ per unit |
| 11 | DSLR Camera | Brand name: _____ Model: _____ Focal Length & Maximum Aperture 24-70mm, 1:2.8 18-135mm Zoom Lens Lens Construction 18 elements in 13 groups Diagonal Angle of View 84° - 34° Focus Adjustment Inner-focusing with USM Closest Focusing Distance 0.38m/1.25 ft. Zoom System Rotating Type Filter Size 82mm Extra Replacement Battery Charger Extra High Capacity Replacement Battery Deluxe Camera Backpack 58" Professional Size Tripod High Speed Card Reader | Rs. _____ per unit |
| 12 | Digital Camera | Brand name: _____ | Rs. _____ per unit |

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| | | Model: _____ Still Image 12.1 Megapixels, Movie Full HD 1080p Optical Zoom 5x Sensor 1/1.7-inch CMOS sensor Image Processor DIGIC 5 with iSAPS Built-in-Memory - Card Supports SD/SDHC/SDXC LCD 3.0-inch TFT Color with wide viewing angle Battery Rechargeable Battery Pack | |
| 13 | PBX (exchange) | Brand name: _____ Model: _____ <ul style="list-style-type: none"> • 100 extensions upgrade up to 600 extensions • Monitoring System • 2x DSS Consoles • Automatic Handover, Wireless XDP Parallel Mode • Calling Line, Identification Presentation • Direct Dialling Inward • ISDN Call Forward, Multiple Subscriber Numbers • VoIP Network • Automatic ISDN Setting • PC Programming • VIP-Call • Visual Caller ID • Digital eXtra Device Port (XDP) • Multi Party Conference • Built-in Hospitality Service • CTI Integration (USB/LAN) *Complete commissioning and installation of connections to the required offices in the University Building. | Rs. _____ per unit |
| 14 | 5kva Solar System Complete installation and one year support | Brand name: _____ Model: _____ <ul style="list-style-type: none"> • PV Module Polycrystalline 250 W model of PV Silicon. • PV Module adjustable Mounting Structure | Rs. _____ per unit |
| | | <ul style="list-style-type: none"> • Inverter, hybrid inverter 5KVA mppt plus, 220V, 50/60 Hz • 4000 to 5000 watts of load • Built-in MPPT solar charge controller • Selectable input voltage range for home appliances and personal computers • Selectable charging current based on applications • Configurable AC/Solar input priority via LCD setting • Compatible to mains voltage or generator power • Auto restart while AC is recovering • Overload and short circuit protection | Rs. _____ per unit |

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| | | <ul style="list-style-type: none"> • Smart battery charger design for optimized battery performance • Cold start function • USB port | |
| | | <ul style="list-style-type: none"> • Dry Battery Long Life & Backup 12V 155AH, with 1 year warranty. | Rs. _____ per unit |
| 15 | 10kva Solar System Complete installation and one year support | Brand name: _____ Model: _____ <ul style="list-style-type: none"> • PV Module Polycrystalline 250 W model of PV Silicon. • PV Module adjustable Mounting Structure | Rs. _____ per unit |
| | | <ul style="list-style-type: none"> • Inverter, hybrid inverter 10KVA mppt plus, 220V, 50/60 Hz • 8000 to 10000 watts of load • Built-in MPPT solar charge controller • Selectable input voltage range for home appliances and personal computers • Selectable charging current based on applications • Configurable AC/Solar input priority via LCD setting • Compatible to mains voltage or generator power • Auto restart while AC is recovering • Overload and short circuit protection • Smart battery charger design for optimized battery performance • Cold start function • USB port | Rs. _____ per unit |
| | | <ul style="list-style-type: none"> • Dry Battery Long Life & Backup 12V 155AH, with 1 year warranty. | Rs. _____ per unit |
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|----|------------------------|---|--------------------|
| 16 | Photocopier (a) | <p>Brand name: _____</p> <p>Model: _____</p> <ol style="list-style-type: none"> 1. Speed: 25 Copies per minute or higher 2. Resolution 600 x 600 dpi or higher (print, copy, scan) 3. Memory 512 MB or Higher 4. Paper Support 500 sheets or Higher 5. 100 sheets stack bypass 6. 999 Multiple copies 7. Interface USB/Network 8. Built-in Duplex Printing and Copying 9. RADF Built In | Rs. _____ per unit |
| 17 | Photocopier (b) | <p>Brand name: _____</p> <p>Model: _____</p> <ol style="list-style-type: none"> 1. Speed: 35 Copies per minute or higher 2. Resolution 600 x 600 dpi or higher (print, copy, scan) 3. Memory 2GB or Higher, Hard Disk 250 GB or Higher 4. Paper Support 500 sheets or Higher 5. 100 sheets stack bypass 6. 999 Multiple copies 7. Interface USB/Network 8. Built-in Duplex Printing and Copying 9. RADF Built In 10. Touch LCD 11. Toner Life 40000 pages or Higher | Rs. _____ per unit |
| 18 | Photocopier (c) | <p>Brand name: _____</p> <p>Model: _____</p> <ol style="list-style-type: none"> 1. Speed: 45 Copies per minute 2. Copy size A3 3. Resolution 600 x 600 dpi or higher (print, copy, scan) 4. Memory 2GB or Higher, Hard Disk 250 GB or Higher 5. Network Printer A3 6. Network Color Scanner A3 7. Paper Support 1100 sheets 8. 100 sheets stack bypass 9. Built-in Duplex Printing & Copying 10. RADF Built In 11. Touch LCD 12. Toner Life 40000 pages or Higher | Rs. _____ per unit |

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|----|--------------------------|---|--------------------|
| 19 | 10 KVA UPS | Brand name: _____ Model: _____ <ul style="list-style-type: none"> • Pure Sine Wave • Power Factor 0.8/0.9 • 10KVA UPS 230V/400V • 65AH x 12V x 16 Qty Sealed Maintenance Free Battery/Equivalent • Power Kit 1 for UPS Battery Bank Installation • 10Amp Battery Charger • 60 Minutes Backup on 75% Load. • installation, configuration & testing • 1 Year Warranty for UPS • 12 Months Warranty for Batteries | Rs. _____ per unit |
| 20 | 6KVA UPS | Brand name: _____ Model: _____ <ul style="list-style-type: none"> • Pure Sine Wave • Power Factor 0.8/0.9 • 6KVA UPS 230V/400V • 40AH x 12V x 16 Qty Sealed Maintenance Free Battery/Equivalent • Power Kit 1 for UPS Battery Bank Installation • 10Amp Battery Charger • 60 Minutes Backup on 75% Load. • installation, configuration & testing • 1 Year Warranty for UPS • 12 Months Warranty for Batteries | Rs. _____ per unit |
| 21 | 3KVA UPS | Brand name: _____ Model: _____ <ul style="list-style-type: none"> • Pure Sine Wave • Power Factor 0.8/0.9 • 3KVA UPS 230V/400V • 26AH x 12V x 8 Qty Sealed Maintenance Free Battery/Equivalent • Power Kit 1 for UPS Battery Bank Installation • 10Amp Battery Charger • 60 Minutes Backup on 75% Load. • installation, configuration & testing • 1 Year Warranty for UPS • 12 Months Warranty for Batteries | |
| 22 | Walk through Gate | Brand name: _____ Model: _____ | Rs. _____ per unit |

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|--------------|------------------------|--|---------------------------|
| | | Weather and dust proof, minimum 20 zones, double display (front & back), high sensitivity, standard alarm on LCD due to medium size metal, approved through international security standard, accurate detection of magnetic, non-magnetic mixed alloy-metal weapons, high detection speed 15m/Sec, high precision, magnetic storage media Country of origin: UK/USA/Europe One year warranty | |
| 23 | Firefighting equipment | Brand name: _____ Model: _____ Fire Extinguishers - DCP (Dry Chemical Powder) Type/Co2 (Carbondioxide) Type/Halotron (Clean Agent) Type | Rs. _____ per unit |
| | | Fireproof suits with masks | Rs. _____ per unit |
| | | Fire hoses | Rs. _____ per unit |
| | | Fire Cylinders | Rs. _____ per unit |
| | | Firefighting foam equipment | Rs. _____ per unit |
| TOTAL | | | |

PART-C

SECTION-I

Civil Work

| S.No. | Items | Specifications | Approximate Area | Rate per Sq.Ft (PKR) | Total Amount (PKR) |
|-------|--|--|------------------|----------------------|--------------------|
| 1 | Cabins for Offices (6 feet height) | Main frame imported portal wood 2" x 1.25". Both side covered with laminated board of 0.75" up to 4 feet height with top 2 feet of 5mm Glass. Painting, Polishing if required complete in all respect as directed by the Engineer in-charge. | 760 | | |
| 2 | Aluminum Cabin for Offices (6 feet height) | Aluminum frame section Quality Size 2" x 2", 2mm thick section, MDF covered 0.75" up to 4 feet. Top 5 mm Glass of 2 feet height. Complete in all respect as per direction of the Engineering Incharge. | 760 | | |
| 3 | Sound proof partition | Main frame Size 2" x 1.5" of imported portal wood both side covered with 0.75" MDF, Laminated board with inside the frame of 1.50" jumbolon sheet with 1/8" thick ply on both sides, complete in all respect as directed by the Engineer in-charge. | 1675 | | |
| 4 | Car park shed | 38mm x 38mm pipe frame, fiber with 4 dia ILL (M) GI pipe as post at 10 feet c/c glass sheet (double ply) for top/roof, including fabrication, painting etc. complete in all respect as directed by the Engineer in-charge. | 810 | | |
| 5 | Iron Railing | Welding of Iron railing of square pipe (1.25"x1.25") with a space of 6 inches having MS Sheet posts (24 Gauge) Size 3"*3" at a distance of 10' c/c with the existing iron railing, complete in all respects including fabrication, welding, painting etc. as directed by the Engineer in-charge. | 1400 | | |
| 6 | False ceiling | Supply and fix 12mm thick Gypsum board ceiling including aluminum "T" and other suitable hanging arrangements using hanger clips jointing clips. GI wire including provision of opening for lights. If required, complete in all respect as directed by the Engineer in-charge. | 2550 | | |
| 7 | Window blinds | Supply and fix venetian blinds,(Vertical) having metallic, plastic strips exc 90mm up to 127mm width best quality complete with all accessories, complete in all respect as directed by the Engineer in-charge | 2275 | | |

| | | | | | |
|--------------|----------------------|--|-----|--|--|
| 8 | Prefabricated Cabins | 10 feet length, 8 feet width and 8 feet height. One window (4x3 feet), one door (6x3 feet) with handle lock. One bracket fan, and two energy savers and other required switches with proper wiring. Color of choice. Good insulation and good finishing condition. | 240 | | |
| TOTAL | | | | | |

| S.No | Description | Quantity | Rate/ Unit/Rft/Sq.ft | Total amount |
|------|---|-----------------|-------------------------|--------------|
| 1 | Providing and fixing of 18 Gauge Hollow Square Pipe 3"x3" Vertical posts including painting, welding, erection, nuts & bolts , filling of hollow pipe portion with concreting etc.. Complete in all respect as directed by the Engineer in-charge. | 105.6 Rft | | |
| 2 | Providing and fixing of Frame with 20 Gauge, 1"x1" Hollow Square Pipe @ 2' c/c both horizontally & vertically including painting, welding, fixing etc. Complete in all respect as directed by the Engineer in-charge. | 1200 Rft | | |
| 3 | Providing and fixing of Door (3'x7') having 20 SWG MS Sheet with 1"x2" 18 Gauge hollow pipe , including bolts, hinges, paint, Lock etc. complete in all respect as directed by the Engineer in-charge. | 4 Nos | | |
| 4 | Providing and fixing of Wire Gauze Door(3'x7') with mesh having 24 holes per linear inch and with frame of 1"x2" 18 Gauge hollow Square pipe , including bolts, hinges, paint, Lock etc. complete in all respect as directed by the Engineer in-charge. | 4 Nos | | |
| 5 | Providing and fixing of Window (4'x4') having 20 SWG MS Sheet with 1"x2" 18 Gauge hollow pipe , including bolts, hinges, paint, Lock etC. complete in all respect as directed by the Engineer in-charge. | 3 Nos | | |
| 6 | Providing and fixing of Wire Gauze Window (4'x4') with mesh having 24 holes per linear inch and with frame of 1"x2" 18 Gauge hollow Square pipe , including bolts, hinges, paint, Lock etc...complete in all respect as directed by the Engineer in-charge. | 3 Nos | | |
| 7 | Providing & fixing of CGI Sheet 26 Gauge at Roof including welding, nuts & bolts etc. complete in all respect as directed by the Engineer in-charge. | 576 Sq.ft | | |
| 8 | Providing & fixing of PGI Sheet 26 Gauge at Walls faces including welding, nuts & bolts, painting etc. complete in all respect as directed by the Engineer in-charge. | 1185.6 Sq.ft | | |

| | | | |
|---|--|-------|--|
| 9 | Providing & fixing Almirah (8'*3'*1.5'), 20 Gauge Iron pipe Frame of Size 1"*1" having 03No's Shelves complete in all respect as directed by the Engineer in-charge. | 1 Nos | |
|---|--|-------|--|

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SECTION-II





ERECTION OF ROOMs (13'x10'x10')






| | |
|--------------|--|
| TOTAL | |
|--------------|--|





SECTION-III

Furniture and other fixtures Specifications

| S.No. | Item | Specification | Unite cost with GST (PKR) | Images |
|-------|---------------------------------|--|---------------------------|---|
| 1 | Computer Table | Size: 3x 2 x 2.5h feet. Body made up of MDF (CPU box, one lockable drawer and one keyboard tray). Design similar to the image | |  |
| 2 | Computer revolving Chair | Computer revolving chair with arms Designee similar to the image | |  |
| 3 | Office revolving Chair | Office revolving chair with arms Designee similar to the image | |  |
| 3 | Office Chair | With arms and structure made of 20x20mm (18 gauge) steel square pipe with aluminum painted. Seat and back made of wood, cushioned with 3 inch superior quality foam cover with leatherite or cloth. Design similar to the image | |  |

| | | | | |
|---|--------------------------|--|--|---|
| 4 | Office Chair | <p>With arms and structure made up of sheeshim wood. Seat and back made of wood, cushioned with 3 inch superior quality foam cover with leatherite or cloth.</p> <p>Design similar to the image</p> | |  |
| 5 | Office Chair | <p>With arms and structure made of 20x20mm (18 gauge) steel square pipe with aluminum painted. Seat & back made of solid wood with seat and back cushioned with leatherite.</p> <p>Design similar to the image</p> | |  |
| 6 | Office Easy Chair | <p>Structure made of 25x25mm (18 gauge) steel sq. pipe with aluminum painted. Seat and back frame made of wood covered in cloth of choice.</p> <p>Design similar to the image</p> | |  |
| 7 | Almirah/Cupboard | <p>Size: 3 x 1.5 x 6h feet</p> <p>Body made of MDF with laminated board. Two flush lockable doors and four fixed shelves.</p> <p>Design similar to the image</p> | |  |

| | | | | |
|----|--------------------------------------|---|--|---|
| 8 | File Almirah/Sheif | <p>Body made of MDF with laminated board having five fixed shelves. No doors</p> <p>Design similar to the image</p> | |  |
| 9 | Steel Filing Cabinet (single) | <p>Size: 2x1.5x4' -6''h feet</p> <p>Made up of steel with aluminum painted. Four drawers lockable</p> <p>Design similar to the image</p> | |  |
| 10 | Office Table | <p>Structure made of 25x25 mm steel square pipe with aluminum painted. Top of chipboard pressed with supper sheesham veneer. One side drawer box with three drawers, upper drawer lockable finished with lacquer spary polish.</p> <p>Design similar to the image</p> | |  |
| 11 | Show Case / Book shelf | <p>Size: 3 x 1 x 6h feet</p> <p>Body made of MDF with laminated board. Two glass lockable doors and four fixed shelves.</p> <p>Design similar to the image</p> | |  |
| 12 | Book Shelf | <p>Size: 3 x 1 x 6h feet</p> <p>Complete body of MDF with laminated board. Six number fixed shelves.</p> <p>Design similar to the image</p> | |  |

| | | | | |
|--------------|------------------------------------|--|--|---|
| 13 | Book shelf (both sides) | <p>Size: 3 x 2 x 6h feet</p> <p>Complete made of MDF with laminated board. Five number fixed shelves.</p> <p>Design similar to the image</p> | |  |
| 14 | Side Rack | <p>Size: 3 x 1 x 3h feet</p> <p>Body made of MDF with laminated board</p> <p>Design similar to the image</p> | |  |
| 15 | Hanging wall cabinet | <p>Size: 4 x 1.5 x 2h feet</p> <p>Body made of MDF with laminated board having six shelves</p> <p>Design as per image</p> | |  |
| 16 | Conference Table | <p>Size: 4 x 2 x 2.5h feet</p> <p>Complete body made from MDF with laminated board having rectangular top.</p> <p>Design as per image</p> | |  |
| TOTAL | | | | |

PART-D

BILL OF QUANTITY FOR SECURITY & SURVEILLANCE EQUIPEMENT

A Complete security surveillance solution is required for providing security related information to the authorities. The solution must have following functionalities:

1. Ability to be accessible from premises network.
2. Should be compatible with NAS technologies to add extra storage.
3. Flexibility to extend cameras & storage as the demand arises.
4. Should be complete in all respects of supply, installation, and support. Particularly, any power/installation related items be included in the quotation.

Provide solution based on following sections

SECTION-I

DIGITAL SURVEILLANCE*

| S.No | Item Name | <u>Rate in PKR (Including All Govt. Taxes)</u> |
|------|--|--|
| 1 | 2MP Speed Dome Day/Night PTZ Camera IP66 POE/POE+ | Rs. _____ per unit |
| 2 | 3MP Outdoor Bullet Camera D/N with IP66 POE/POE+ | Rs. _____ per unit |
| 3 | PTZ Joystick | Rs. _____ per unit |
| 4 | Network Video Recorder with Video Management Software (Recoding /Viewing) with SATA HDD-12TB | Rs. _____ per unit |
| 5 | Computer System with LED | Rs. _____ per unit |
| 6 | 40'' LED FHD (1920x1080) Display with Mounting Brackets | Rs. _____ per unit |
| 7 | Network Attached Storage (4TB) | Rs. _____ per unit |
| 8 | 24(100Mbps) Port POE/POE+ Switch with 2 1-Gbps Fiber Uplinks Layer 2 Manageable | Rs. _____ per unit |
| 9 | 8(100Mbps) Port POE/POE+ Switch with 2 1-Gbps Fiber Uplinks Layer 2 Manageable | Rs. _____ per unit |
| 10 | 24-SFP Port Optical Fiber Switch Layer 3 | Rs. _____ per unit |
| 11 | 1-Gbps SFP Module (Single Mode Fiber – 1000meter Support) | Rs. _____ per unit |
| 12 | CAT6 UTP Cable Laying Services (As per Actual, Per Running Feet) Should include all required accessories. | Rs. _____ per unit |
| 13 | Outdoor 6-Core Single Mode Optical Fiber Cable (1Gbps) – Per Meter (10Gbps Link Supported) | Rs. _____ per unit |
| 14 | Lying of Optical Fiber Cable with 2-inch PVC Pipe with all required accessories (Per-Meter) | Rs. _____ per unit |

| | | |
|--------------|--|--------------------|
| 15 | Optical Fiber Splicing Per/Core | Rs. _____ per unit |
| 16 | 6U Standard Rack with FAN | Rs. _____ per unit |
| 17 | 24 port OFDF and Cable Manager with Complete Accessories | Rs. _____ per unit |
| 18 | 8 port OFDF and Cable Manager with Complete Accessories | Rs. _____ per unit |
| TOTAL | | |

* Note. The cost must include any installation & configuration charges, if applicable.

SECTION-II

ANALOG SURVEILLANCE*

| S.No | Item Name | Rate in PKR (Including All Govt. Taxes) |
|--------------|---|---|
| 1 | 2MP Speed Dome Day/Night PTZ Camera IP66 | Rs. _____ per unit |
| 2 | 3MP Outdoor Bullet Camera D/N with IP66 | Rs. _____ per unit |
| 3 | PTZ Joystick | Rs. _____ per unit |
| 4 | Digital Video Recorder with Video Management Software (Recoding /Viewing) with SATA HDD-2TB | Rs. _____ per unit |
| 5 | Computer System with LED | Rs. _____ per unit |
| 6 | 40'' LED FHD (1920x1080) Display with Mounting Brackets | Rs. _____ per unit |
| 7 | Network Attached Storage (4TB) | Rs. _____ per unit |
| 8 | Cabling from DVR to cameras complete in all respect including items and installation (per meter rate required) | Rs. _____ per unit |
| 9 | Power cabling to supply power to DVR and Cameras complete in all respect including items and installation (per meter rate required) | Rs. _____ per unit |
| TOTAL | | |

* Note. The cost must include any installation & configuration charges, if applicable.

PART-E

25 or Above SEATER BUS SPECIFICATIONS

| BODY SUPER STRU TURE | | Rate in PKR inclusive of all taxes |
|---------------------------------|--|---|
| Type | Single deck skeleton type bus body. | |
| Body frame | Principal frame work of hollow square and rectangular M.S. tubes. | |
| SEATS | | |
| Capacity & Type | 32 nos. foam cushioned seats with combined bottom & individual back covered with vinyl. | |
| Seat layout | 2x2 configurations. | |
| Driver seat | Two way adjustable seat. | |
| PAINTING | | |
| Parts | All parts given anti rust treatment prior to applying high bake epoxy primer. | |
| Exterior | Low bake primer applied prior to final paint. Top coat in low bake and design painting in NC paint. | |
| CHASSIS SPECIFICATION | | |
| Drive | Right-hand drive Bus | |
| Control | Front | |
| Chassis GVW | 8,600 Kgs | |
| ENGINE | | |
| Type | Diesel, Turbo Charged and Intercooled, 4-stroke, 4-cylinder, Vertical, in-line, overhead Valve, Water cooled, direct Injection type. | |
| Emission Standard | Euro-II | |
| Max. output | 130 PS @ 2,500 rpm | |
| Max. torque | 37.0 kgf.m @ 1,500 rpm | |
| Displacement | 4.0 L | |
| CLUTCH | Dry single plate with damper springs, hydraulic control with air booster. | |
| TRANSMISSION | Five forward & one reverse Speeds, Over drive, Synchromesh 1st ~ 5 th with Mechanical Control. | |
| REAR AXLE | Full floating single reduction, single speed by hypoid gearings. | |
| FRONT AXLE | Reverse Elliot "I" section beam. | |
| SERVICE BRAKE | Vacuum Servo hydraulic, dual circuits with leading shoes for front and rear. | |
| PARKING BRAKE | Mechanical, internal expanding, acting on transmission output shaft. | |
| EXHAUST BRAKE | Electro-pneumatic | |
| STEERING | Telescopic and tilt steering column with locking device. Recirculating ball with hydraulic booster, Integral type. | |
| SUSPENSION | | |
| Front | Semi-elliptic leaf springs with double acting shock absorbers and stabilizer. | |
| Rear | Semi-elliptic leaf springs with double acting shock absorbers and stabilizer. | |
| WHEEL AND TIRE | | |

| | | |
|------------------------------|--|--|
| Tire Size | 7.50-20-16PR. | |
| Wheel Type | 8-stud disc wheels (JIS type) | |
| FUEL TANK: | | |
| Capacity | 100 Liters | |
| ELECTRICAL EQUIPMENT: | Batteries: Two, series connection, each 12V, 60 AH at 20-hour rate. | |
| TOTAL | | |

52 or above SEATER BUS SPECIFICATIONS

| BODY SUPER STRUCTURE | | Rate in PKR inclusive of all taxes |
|------------------------------|--|---|
| Type | Single deck skeleton type bus body. | |
| Body frame | Principal frame work of hollow square and rectangular M.S. tubes. | |
| SEATS | | |
| Capacity & Type | 53 nos. foam cushioned seats with combined bottom and individual back covered with vinyl (Voyager seats). | |
| Seat layout | 3x2 configurations. | |
| Driver seat | Two way adjustable seat. | |
| PAINTING | | |
| Parts | All parts given anti rust treatment prior to applying high bake epoxy primer. | |
| Exterior | Low bake primer applied prior to final paint. Top coat in low bake and design painting in NC paint. | |
| CHASSIS SPECIFICATION | | |
| Drive | Right-hand drive Bus | |
| Control | Front | |
| Chassis GVW | 14,000 Kgs | |
| ENGINE | | |
| Type | Diesel, Turbo Charged and Intercooled, 4-stroke, 6-cylinder, Vertical, in-line, overhead camshaft, Water cooled, direct Injection type | |
| Emission Standard | Euro-II | |
| Max. output | 215 PS @ 2,500 rpm | |
| Max. torque | 62.0 kgf.m @ 1,500 rpm | |
| Displacement | 7.7 L | |
| CLUTCH | Dry single plate with damper springs, hydraulic control with air booster. | |
| TRANSMISSION | Six forward & one reverse Speeds, direct drive, Synchromesh 2 nd ~ 6 th . with Mechanical Control. | |
| REAR AXLE | Full floating single reduction, single speed by hypoid gearings. | |
| FRONT AXLE | Reverse Elliot "I" section beam. | |
| SERVICE BRAKE | Air-over-hydraulic, dual circuits leading & trailing shoes for front and rear. | |
| PARKING BRAKE | Mechanical, internal expanding, acting on transmission output shaft. | |

| | | |
|------------------------------|---|--|
| EXHAUST BRAKE | Electro-pneumatic | |
| STEERING | Telescopic and tilt steering column with locking device. Recirculating ball with hydraulic booster, Integral type. | |
| SUSPENSION | | |
| Front | Semi-elliptic leaf springs with double acting shock absorbers and stabilizer. | |
| Rear | Semi-elliptic leaf springs with double acting shock absorbers and stabilizer. | |
| WHEEL AND TIRE | | |
| Tire Size | 10.00-20-16PR. | |
| Wheel Type | 8-stud disc wheels (JIS type) | |
| FUEL TANK: | | |
| Capacity | 200 Liters | |
| ELECTRICAL EQUIPMENT: | | |
| Batteries | Two, series connection, each 12V, 100 AH at 20-hour rate. | |
| TOTAL | | |