

GOVERNMENT OF PAKISTAN  
PAKISTAN ORDNANCE FACTORIES  
TENDER ENQUIRY

To

Dear Sir,

Reference: **TENDER ENQUIRY NO. 07-LP-DS-CAPT-55, Dated 24-3-2026**

You are requested to submit sealed quotations for the item(s) noted in the Schedule to the Tender. Offer should be sent duly sealed in an envelope. Please note the following instructions for filling the tender: -

1. **SUBMISSION OF TENDER:**

- 1.1 Tenders will be opened at **1230** hours on **04-5-2026** at Bid Centre adjacent to Reception Hall, POF Wah Cantt and must reach at below mentioned address before 30 Minutes of opening time. The tender received late will not be entertained. You may witness the opening of the tender if you so desire. If a representative is deputed, he should bring CNIC in original and a letter of authority from you.
- 1.2 Only one tender should be included in one envelope. The outside of the envelope should be inscribed with: -  
Tender Enquiry No: **07-LP-DS-CAPT-55, Dated 24-3-2026:**  
Tender to be opened on: **04-5-2026**  
Address as follows: - **BID CENTER, ADJACENT TO RABITA HALL, POF WAH CANTT, (DIRECTOR SERVICES),**  
Tele: +92-51-9055-21090  
Fax: +92-51-9271400, 9314100
- 1.3 If envelope does not indicate reference of T.E or received late the same may be returned un-opened.
- 1.4 Tender "By Hand" can be delivered at Bid Centre, Rabata Hall, POF Wah Cantt.

2. **GENERAL INSTRUCTIONS REGARDING PREPARATION OF QUOTATIONS:**

- 2.1 For materials, the prices should be filled in column 5 and delivery date in column 6 of the schedule to this Tender Enquiry. The undertaking should be signed at the bottom of the Schedule which shall form the Quotation. You may use a separate sheet if necessary. As per PPRA Rule 36(b), single stage – two envelope bidding method will be adopted for "open competitive bidding." Moreover, technical & commercial evaluation of Bids will be carried out strictly as per PPRA Rules and contract (s) will be awarded to the most advantageous bidders (s).
- 2.2 For plant and machinery, you are required to quote in two parts: -  
Part-I **"Technical Offer":** It should exclusively give technical details and literature / brochures of the offered plant, machinery & equipment; validity date; delivery schedule; and signed undertaking given on the schedule to this Tender Enquiry. It must not indicate price, costs etc.  
Part-II **"Commercial Offer":** It should indicate the commercial terms e.g price, terms of payment mode of payment made of supply. Each part should be placed in a separate sealed cover. The envelopes should be inscribed with Part-I "Technical Quotation without price" and part-II "Commercial Quotation with price".
- 2.3 The quotation must remain valid for, at least **120 days** from the date of opening of tenders.
- 2.4 The quotation should hold good for any reduced or enhanced quantities without notice.
- 2.5 In the event of non-acceptance of offer, intimation may be given to the Tenderers on their request.
- 2.6 Conditional offers or alternative offers are likely to be ignored.
- 2.7 Quotations should be based on:-  
F.O.R. station of Dispatch basis, i.e. delivered free on rail, inclusive of packing and forwarding charges. The stores will be booked under Military Credit Note, to be provided by the purchaser.  
and / or  
Free delivery at POF's stores at **POF Wah basis.**  
In this case Octroi duty will be payable by the supplier.
- 2.8 Taxes and Duties etc. where applicable, must be shown separately, quoting reference to Registration No. in cases of Sales Tax and relevant authority in the case of others. Offer without these clarifications and inclusive of Taxes and Duties may be ignored.
- 2.9 Taxes and duties levied on or after Tender opening date or on or after the date offer was signed and dispatched will be allowed to include in the offered rates.

- 2.10 "Suppliers will furnish a certificate, issued by Excise & Taxation Deptt, that he has cleared all Professional Tax payable by him" offers received without this certificate will be rejected.
- 2.11 Suppliers will render necessary information regarding hazardous effects on environment, of the materials / products supplied by them, in their quotations and shipping/dispatch documents.
- 2.12 If the requisite information is not furnished on the T.E forms or offer received is not conformity with the requirement of the T.E such offer shall be ignored.

3. **INSPECTION:**

- 3.1 Supplies shall be subject to the inspection and acceptance by the competent inspection authority nominated by the Purchaser, who will arrange it at his own cost. Inspection facilities such as tools, test equipment, instruments etc will, however, be provided by the Suppliers in accordance with the relevant specifications.
- 3.2 Where considered necessary by the Purchaser, stores may be obtained on Warranty / Guarantee, subject to inspection on receipt. Rejected stores will be removed and replaced with the acceptable stores by the Supplier at his own expense, within a specified time.

4. **TENDER FEE**

The tender must be accompanied by a non-refundable fee by means of a crossed postal order / pay order for Rs 500/- in favor of **Director Admin POFs Wah Cantt.**

4.1 **TENDER SAMPLE**

Where required, offer must a company tender sample, strictly according to the description and specification given in Tender Enquiry. Offer not accompanied by tender sample will NOT be entertained excepting the established and reputable firms who have either previously satisfactorily supplied the same or similar stores or have submitted an acceptable sample thereof against previous T.E.

5. **BID MONEY**

- 5.1 A copy of Bid Security should accompany the tender in shape of deposit at call receipt/Pay Order/Banker Cheque from scheduled bank drawn in favor of:

**DIRECTOR SERVICES**

- 5.2 Bid security instrument in original must be provided on the day/date of tender opening in the Bid Center as under:
  - a. Registered/indexed firms including foreign firms - 2% of quoted value subject to the maximum ceiling of Rs. 0.5 Mn.
  - b. Registered/un-indexed firms including foreign firms - 3% of quoted value subject to the maximum ceiling of Rs. 0.75 Mn.
  - c. Unregistered firms including foreign firms - 5% of quoted value subject to the maximum ceiling of Rs. 1.00 Mn.
  - d. Govt organization/production units/state owned enterprises/welfare projects of Svcs HQ - Rs 0.50 M.
  - e. Bid money will be returned to unsuccessful (less first three lowest quotee firms) bidders on opening of commercial offers.
  - f. Bid money will be returned to successful bidders on submission of performance bond / unconditional B.G.
  - g. Quotation accompanied with less bid money will be accepted on provisional basis for 10 x days after opening of bids. However, the firms are bound to provide/furnish the balance bid money within 10 x days after opening of bid otherwise such quotations will be ignored or rejected.
  - h. Offers received without Bid Security will not be entertained.
  - i. Bid money will be forfeited in case the quotation is withdrawn before the expiry of its validity date.

6. **ACCEPTANCE OF OFFERS:**

- 6.1.1 The procuring agency may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The procuring agency shall upon request communicate to any supplier or contractor who submitted a bid or proposal, the grounds for its rejection of all bids or proposals, but is not required to justify those grounds.
- 6.1.2 Procuring agency shall incur no liability, solely by virtue of its invoking sub-rule (1.1) towards suppliers or contractors who have submitted bids or proposals.
- 6.1.3 Notice of the rejection of all bids or proposals shall be given promptly to all suppliers or contractors that submitted bids or proposals.

## 6.2 PERFORMANCE BOND

- (a) The successful bidders shall provide Performance bond at the rate, prescribed by POF Board according to the value of contract which shall not exceed 10% of contract value, in the form of a Deposit At Call Receipt from a scheduled Bank; or, an un-conditional Bank Guarantee valid for 12 months (03 months extendable to 12 months in case of cloth items required by Clothing Fy.) after receipt of store in POFs on a prescribed format. The Performance Bond will be in favor of **Director Services**. It will be returned on satisfactory completion of the contract.
- (b) If the Supplier fails to furnish the Performance Bond within the specified time, such failure will constitute a breach of the contract and the Purchaser shall be entitled to make other arrangements for purchase of the stores at the risk and expense of the Supplier.

6.3 Performance Bond from State owned organizations may be waived off at the discretion of the Purchaser.

## 6.4 FAILURE TO SUPPLY THE STORES:

All deliveries must be completed by the specified date. If the failure to deliver the stores within the scheduled time should have arisen from "Force Majeure", which the Purchaser may admit as reasonable ground for further time, he will allow such additional time as he may consider to have been required by the circumstances of the case. Otherwise, he will be entitled, at his discretion, to cancel the contract; and / or, claim liquidated damages up to 2% but not less than 1% of the contract price of the items and their quantities for each and every month or part of a month, beyond the specified delivery date, during which these may not be delivered, subject to a maximum of 10% of the total contract value of the particular stores which remained unsupplied either in part or in full: or, to purchase, from elsewhere, the unsupplied stores at the risk and cost of the Supplier.

## 6.5 PAYMENT:

- i. 60% payment will be released on the receipt of all stores at POF Wah Cantt.
- ii. Remaining 40 % payment will be released after successful installation & commissioning and Final Acceptance Test (FAT).

## 7. SECURITY OF INFORMATION:

The tenderer and his employees must not communicate any information relating to the sale/purchase of stores under this enquiry to any person other than the manufacturer or to any press or agent not authorized in writing by POFs to receive it.

Please return the Schedule to the Tender duly signed by the specified date, along with the specifications drawings etc. if any, enclosed herewith - even if you are unable to quote.

**WARNING:** In case the firm abstain from making offers or fail to return/acknowledge the tender form by the specified date on three consecutive occasions, no further tender enquiry may be issued to them and their names would be liable to remove from the approved list.

Yours faithfully,

**A/DIRECTOR SERVICES**  
Pakistan Ordnance Factories  
Wah Cantt  
Tele + 92-51-905524339  
Fax + 92-51-9271400 & 9314100  
**E-mail:** [dirser.pof@gmail.com](mailto:dirser.pof@gmail.com)  
[gmppc\\_services@pof.gov.pk](mailto:gmppc_services@pof.gov.pk)

**PAKISTAN ORDNANCE FACTORIES**

**SCHEDULE TO TENDER NO. 07-LP-DS-CAPT-55, Dated 24-3-2026**

(1) **FOR MATERIALS**

(1) Item No	(2) Description with spec etc	(3) Unit	(4) Qty	(5) Price per unit FOR or free delivery		(6) Delivery date
				In figure	In words	
1.	11 kV Feeder panels	No	11			
2.	11 kV Transformer panels	No	05			
3.	11 kV Bus-coupler panel with Adopter panel	No	02			
4.	11 kV Generator Main Incoming panels	No	02			
5.	LT Feeder Panels	No	02			
6.	LT Transformer panel	No	01			
7.	LT Bus-coupler panel with Adopter panels	No	01			
8.	Transformer 1000 kVA (Indoor type)	No	01			

(2) **For Plant & Machinery:**

Specification: - attached as Annex-A

(3) **Special Conditions:**

- i. Indicate the Model, Name of the Manufacturer, country of origin and also provide the Technical Brochure of the Material / Products being offered.
- ii. Breakdown of rates be given showing price and sales tax separately otherwise rates will be consider inclusive of GST.
- iii. Quotation may be submitted if you are registered with sales tax department, only registered suppliers (with sales Tax & Income Tax Deptt.), who are on Active Tax payers List (ATL) of FBR are eligible to supply goods/services to Govt. Deptt. if any registered supplier is not in ATL, his payment would be stopped till he files his mandatory returns and appears on ATL of FBR. Sales Tax Registration number may also be indicated.
- iv. Govt. & Semi Govt. departments detailed in para 8 of CBR letter No. 1/10-stb/98 dt. 12-06-1998 are not required to be registered since they are not involved in any taxable activity. So registered supplier shall pay sales tax at the standard rate. i.e. 18 %
- v. The supplier will provide the requisite CDR along with the complete Mailing Address, Telephone No, Fax No, E-Mail and branch code of the issuing bank and in addition for Distt. /Zonal office of the same bank.
- vi. It is requested to quote in two parts (Technical & Commercial) as per our T.E Clause No. 2.2, otherwise your offer will be rejected.
- vii. Original bid money and tender fee must be reached in bid Centre at the time of tender opening date time, however firm attach photocopy of bid money hiding the amount & tender fee with technical bid.
- viii. Inspection authority GM Electrical or his authorized rep.
- ix. **Firm must attach Professional Tax Certificate of current Financial Year of Punjab Province, NTN, ATL certificates with technical & Commercial offer.**
- x. Firms who are registered with SECP also eligible to participate in bid attach registration certificate.
- xi. **Firm must attach undertaking of T.E duly signed & stamped with technical & Commercial offer.**
- xii. Firm will provide evidence regarding payment of stamp duty @0.25% of contract value according to section-3 of stamp act 1899 at the time of payment along with billing documents.

(4) **Undertaking**

Should our offer be accepted, we hereby undertake to supply the stores/render the services contracted on the basis of General Conditions of Contract embodied in Form POF-1281, and to deposit the performance bond within the prescribed time, failing which it will constitute a breach of contract, and POF will have the right to purchase the stores/services elsewhere at our risk and cost.

Place \_\_\_\_\_  
Date \_\_\_\_\_

Signature of the Tenderer \_\_\_\_\_  
Name \_\_\_\_\_  
Position \_\_\_\_\_  
Address \_\_\_\_\_  
Income Tax G.I.R No. \_\_\_\_\_  
Official stamp.

## 11 KV Panel Motorized with Vacuum Circuit Breaker (VCB), Lt Panel Motorized with Air Circuit Break (ACB) & Transformer:

### 1. TECHNICAL SPECIFICATIONS OF HT PANELS.

Specification of HT Panel (Motorized) Sheet Steel, Floor Mounting, Metal Clad, totally enclosed, indoor type, fully interlocked, air insulated, vacuum type switchgear unit with horizontal draw out circuit breaker. The equipment offered shall be high quality, sturdy, robust and of good design & workmanship complete in all respect and capable of performing continuous and satisfactory operations in the actual service conditions at the site and shall have sufficiently long life in service as per statutory requirement rupturing capacity 25 kA Bil 95 kV (basic insulation level). detail specifications of each HT Panel shall be as follows:

S #	Description	Qty
1.1	<p><b><u>Circuit Breaker:</u></b>            Triple pole, draw out cassette type Vacuum Circuit Breaker (VCB) of type test level of E2, C2, M2, suitable for operation on 11 kV 3-Phase, 50Hz, supply tested in accordance with IE-62271-100/200/IS-13118 (1991) standard.            Vacuum circuit breaker shall be draw out type housed in separate cubical of the switchboard and enclosed from all sides. A sheet steel hinged lockable door at the front. Possible to withdraw the circuit breaker to "Test" to isolated position with the door closed. Door interlocked, to be opened after withdraw the breaker to isolate position and the breaker cannot be racked into the "Service" position unless the door is closed. A visual indication as to show breaker status i.e "Service", "Test" or "Isolated" in front of the door, having following detail specification's;</p>	01 No
	<p>Control voltage = 110 V DC            Operation cycle: ≥ 30,000            Auxiliary contacts: 10a10b            Rated voltage = 17.5 kV            Normal current for Feeder panel &amp; Transformer panel = 630 A            Normal current for Generator Main Incoming panel &amp; Bus Coupler – 1250 A            Short circuit breaking current = 31.5 kA            Duration of short circuit = 03 sec            Rated peak withstand current making capacity (Peak value) = 60 kA            Power frequency withstand voltage = 38 kV / 95 kV            Lightning impulse withstand voltage = 95 kV            Duly certified and mounted on withdraw able truck to facilitate horizontal isolation and withdrawal fitted with the following:            1 x Circuit breaker isolating mechanism            1 x motor charging mechanism 110 V DC along with manual tripping / charging.            1 x Shunt trip coil 110 V DC            1 x Closing coil 110 V DC            1 x Push button to trip / open            1 x Push button to close            1 x operation counter meter  <b>1 x VCB Draw In out trolley</b>            6 x single pole, fixed and moving cluster type isolating contact giving double isolating facilities on all phases.            2 x sets of automatic safety shutters marked "Busbar &amp; Cables" respectively  <b>(Make: ABB, Siemens, Schneider or Eqv).</b>  <b>01 x surge arrestor metal oxide polymeric, 12KV, 10KA (imported)</b></p>	

1.2	<p><b><u>Cubical</u></b> Mild Steel sheet not less than 4 mm thickness for load bearing section and not less than 3 mm thickness for non-load bearing, floor-mounting cubical structure provided with anti-corrosive base coat of painting uniform layer (70-80 microns) on internal and external surfaces, spray finished powder coated with standard color RAL-7032, 11 kV panel should be compact in size especially in width. Earth with two copper strips. Total Height max 2200 mm, max width 800 mm, max depth 1600 mm, panels size shall not exceed 10% of the given values.</p>	01 No/ Panel
1.3	<p><b><u>Busbar:</u></b> Rectangular type, insulated, coated, 3-phase set (color coded) made of electrolytic copper having a short time current rating of 25 kV for 3 sec. Main &amp; dropper must be at least 1250 Amp capacity at an ambient temperature of 40°C. mounted on suitable insulators to withstand short circuit stresses and vibrations, non-magnetic stainless-steel fasteners (Nut Bolts).</p> <p><i>i. 3-phase set of H.D.H.C Main copper bus bar 1250A rating (Size: 1x80x10mm or 2x80x5mm) &amp; dropper bus bar 630A rating (Size: 1x50x10mm or 2x50x5mm), (01x50x5mm for earth) for feeder &amp; transformer panel</i></p> <p><i>ii. 3-phase set of H.D.H.C Main copper bus bar 1250A rating (Size: 1x80x10mm or 2x80x5mm) for Incoming / outgoing &amp; earth bus bar (Size: 1x50x5mm) for bus coupler panel</i></p>	01 Set / Panel
1.4	<p><b><u>Current Transformer:</u></b> CT's shall be resin / epoxy cast. Contact tips on primary terminals shall be silver plated. Correct polarity shall be invariably marked on each primary and secondary terminals, also secondary terminal must be earthed. Having insulation level of all CT's to be: BIL 12/36/95 kV, class 0.5 &amp; 30 VA for metering and the class of insulation shall be "B". CT's requirement in different type of panels installed in separate compartment are listed below:</p> <ul style="list-style-type: none"> <li>• For Feeder Panel: Ratio 400/5/5A, 15VA, 5P 20 class for protection.</li> <li>• For Transformer Panel: Ratio 100/5/5A, 15VA, 5P 20 class for protection.</li> <li>• For Generator Incoming Panel: Ratio 800/5/5A, 15VA, 5P 20 Class for protection <b>(Make: FICO, PEL, Metlax Pakistan or Eqv)</b></li> </ul>	03 Nos / panel
1.5	<p><b><u>Potential Transformer:</u></b> 3-Phase resin cast, bus bar connected installed in separate compartment. Dry Type SP PT with marked correct polarity, ratio 1100/1.732/100V/1.732, Burden 100VA, Class 0.5 BIL 12/36/95 Kv, complete with triple pole &amp; neutral MCB on secondary for voltage reference . Primary and secondary earthed neutrals and class of insulation shall be "B". <b>(Make: FICO, Metlax Pakistan, PEL or Eqv)</b></p>	03 Nos / Panel
1.6	<p><b><u>Energy Meter:</u></b> 3-Phase, 4-wire, 50 Hz digital kWh meter, CT input 5A, PT 110 V AC <b><u>Make: PEL, Elster or Eqv</u></b> (For Transformer &amp; Generator main incoming Panels only)</p>	01 No / Panel
1.7	<p><b><u>Metering / Measuring Devices</u></b></p> <ul style="list-style-type: none"> <li>• 3-Phase, 4-Wire, 50 Hz Digital Power Factor Meter (cost Ø) (For Generator Incoming Panels only)</li> <li>• Digital type ammeter with selector switch (for all panels)</li> <li>• Digital volt meter with selector switch (for all panels)</li> </ul> <p><b>Make: Lumel or Eqv</b></p>	01 No / each panel
1.8	<p><b><u>Protection:</u></b></p> <ul style="list-style-type: none"> <li>• <b><u>For Generator Incoming Panel</u></b> <i>MICOM P-345 or Eqv</i> Generator Protection Relay, Communication Mod Bus, Fiber optical &amp; ethernet cable connection, Aux voltage 110 VDC.</li> <li>• <b><u>For Feeder panels</u></b></li> </ul>	01 Nos / panel

	<p>Feeder differential protection relay, <i>Model: P-5L30 or Eqv</i> Communication Mod Bus, Fiber optical cable connection, Aux voltage 110 VDC <b>Make: Schneider Electric France or Eqv</b></p> <ul style="list-style-type: none"> <li>• <b><u>For Transformer Panels</u></b> <ol style="list-style-type: none"> <li><i>Model: P-3U20 or Eqv</i>, earth Fault, over current protection Relay, Communication Mod Bus, Aux Voltage 110 VDC <b>Make: Schneider Electric France or Eqv</b></li> <li><i>Transformer Status Relay (Make: E-Lab or Eqv)</i></li> </ol> </li> </ul>	
1.9	<p><b><u>Auxiliary / Control Wiring</u></b> Control supply: Aux voltage 110 VDC</p> <ul style="list-style-type: none"> <li>• Neatly run and group of wiring shall be securely fixed by clips.</li> <li>• Color of the secondary / auxiliary wiring should confirm to IS 375/1963.</li> <li>• Flexible tinned copper wires having high quality PVC insulations not less than 2.5 mm<sup>2</sup> of copper.</li> <li>• Flexible tubes / pipes for insulation in moving parts.</li> <li>• TP MCB 06 A-10 A for control.</li> <li>• DP, MCB 06 A-10 A for control</li> <li>• LED type indication light, Green for close</li> <li>• LED type indication light, RED for open</li> <li>• LED type indication light, Yellow for Trip</li> <li>• LED type indication light, WHITE for Heater ON</li> <li>• LED type indication light, BLUE for VCB service position.</li> <li>• Push button for ON / OFF</li> <li>• <i>Transformer trip status relay for Transformer Panel</i></li> <li>• <i>Key selector switch 1-0-2 (for CB local-off-remote)</i> <b>(Make: Schneider or Eqv)</b></li> </ul>	01 No / each Panel
1.10	<p><b><u>Heater</u></b></p> <ul style="list-style-type: none"> <li>• Anti-condensation Heater with <i>hygrostats</i> 230V AC, 50 W in bus bar and cable compartment.</li> <li>• 3-position Auto / Off / Manual selector switch for panel heater. <b>(Make: GG / STEGO or Eqv)</b></li> </ul>	01 No / each panel
1.11	<p><b><u>Name Plate and diagram Plates.</u></b></p> <ul style="list-style-type: none"> <li>• Manufacturer's name and trade mark</li> <li>• Serial no.</li> <li>• Type of panel</li> <li>• Destination label</li> </ul>	01 No / Panel
1.12	<p><b><u>Essential Accessories</u></b></p> <ul style="list-style-type: none"> <li>• Set of Vermin Screen</li> <li>• Door limit switch, Door operated <i>220VAC</i></li> <li>• Cable clamp for suitable cable on bottom side (with flexible size)</li> <li>• Panel Light / Lamp, 60 Watt, <i>220VAC</i></li> </ul> <p><i>01 x 110 VDC, battery Charger enclosed in cubical stand panel fitted with 09 Nos 12VDC dry type 150Ah batteries, with all accessories, wiring, outgoing and incoming circuit breaker, protection relays, provision of boost charge and float charge for all HT panels.</i></p>	01 No / Panel
1.13	<p><b><u>Spares</u></b> Recommended spares for maintenance (including but not limited to the following spare parts with item wise price be quoted separately)</p> <ol style="list-style-type: none"> <li><b><u>01 x 11KV, 630A, 25KA VCB</u></b> Triple pole, draw out cassette type Vacuum Circuit Breaker, rated voltage = 17.5kV, Normal current = <i>630A</i>, Short circuit breaking current = 31.5 kA along with trolley.</li> <li><b><u>03 x Dry type current transformer</u></b> Ratio 400/5/5A, 16VA, 5P 20 class for protection and <i>15 VA</i>, class 0.5 for metering, BIL 12/36/95 kV.</li> <li><b><u>03 x Dry type SP Potential Transformer</u></b></li> </ol>	01 set

iv.	Ratio 11000/1.732/110V/1.732, Burden 100VA, class 0.5, BIL 12/36/95kV.	
v.	<b>03 x Dry Type Current Transformer</b>	
vi.	Ratio 800/5/5A, 15VA, 5P 20 class for protection and 30 VA, class 0.5 for metering, BIL 12/36/95 kV	
vii.	Tool kit for maintenance / operation including all tools including torque, wrench, pliers, drill machine, set of spanners, socket set, baby grinder, hammer, screw drivers, adjustable wrench etc.	

## 2. Technical specifications of LT Panels

### LT Feeder panel with 1600 A TP ACB Draw out type

Low tension, industrial cubical pattern indoor type, 14 SWG minimum mild sheet steel Fabricated, totally enclosed, finished with power coated paint RAL-7032 Floor mounting, Feeder Panel suitable for operation on 3-Phase, 04 wire, 50 Hz, 400-600 Volts system with comprising of following:

S #	Description	Qty
2.1	Mild Steel sheet (14SWG), floor-mounting cubical structure of standard (H x W x D) (2200mm x 600mm x 800mm)	01 Nos / panel
2.2	3 Phase set of HDHC copper bus bars. <b>Main B/Bar 3000 A Rating:</b> Size: 2x100x10 mm per phase. <b>Link / Dropper B/Bar:</b> Size: <b>1600A Rating 1x100x110 or 2x60x10 mm/phase</b> <b>Natural B/Bar Rating:</b> Size: 1x100x10 mm <b>Earth B/Bar:</b> Size: 1x50x10 mm	01 set / panel
2.3	Triple pole, Air Circuit Breaker 1600A, Adjustable rating with draw out mounting, ICU = 100KA with built-in longtime, short time, instantaneous (LSI), Type: NW 16H2 (5.0E) <b>(Make: ABB, Schneider or Eqv)</b> Dust proof plastic cover for ACB <b>(Make: Schneider or Eqv)</b>	01 No / Panel
2.4	Shunt Trip Coil 30 V DC <b>Make: Schneider France</b>	01 No / Panel
2.5	Closing Coil 30 V DC <b>(Make: Schneider or Eqv)</b>	01 No / panel
2.6	Digital Ammeter <b>(Make: LUMEL or Eqv)</b>	01 No / Panel
2.7	4-position Ammeter Selector Switch <b>Make: GG / Eqv</b>	01 No / Panel
2.8	Digital Volt Meter <b>Make: LUMEL / Eqv</b>	01 No / Panel
2.9	7-Position Voltmeter Selector Switch <b>Make: GG / Eqv</b>	01 No / Panel
2.10	CT's "Ring Type" Ratio: 1600/5 A, Burden 15 VA class 1.0 Class for protection <b>Make: FICO, PEL, MATLAX, Pakistan / Eqv</b>	03 Nos / Panels
2.11	CT's "Ring Type" Ratio: 1600/5 A, Burden 10 VA class 0.5 Class for metering <b>Make: FICO, PEL, MATLAX, Pakistan / Eqv</b>	03 Nos / Panels

2.12	Low voltage energy meter for 3-phase, 4-wire system, suitable for 5A CT & 415 VAC, 50Hz <b>Make: PEL Blue Star / Eqv</b>	01 No / Panel
2.13	Combined over current and earth fault relay <i>P-3U20 or Eqv</i> communication Mod Bus, Aux, Voltage 24-240 VDC / 48-240 VAC <b>Make: Schneider France or Eqv</b>	01 No / panel
2.14	LED type indication light "Red, Yellow, Blue" for phase LED type indication light "Green" for ON LED type indication light "Red" for Off LED type indication light "Yellow" for trip reset <b>Make: GG / Eqv</b>	01 No / Panel
2.15	Push Button for Off <b>Make: GG / Eqv</b>	01 No / Panel
2.16	Push Button for ON <b>Make: Gg / Eqv</b>	01 No / Panel
2.17	Panel Tub light 10 Watt, 230 VAC, 50 Hz, <b>Make: Local</b> Limit Switch for panel light <b>Make: OMRON / Eqv</b>	01 No / Panel
2.18	3-P MCB 06A for control (02 Nos) 2-P MCB 10A for control (03 Nos) <b>Make: Schneider / Eqv</b>	01 set / panel
2.19	Panel exhaust fan suitable for 220VAC, size: 8" <b>Mak: NICE / Eqv</b> Auto / off / manual selector switch for Exhaust Fan <b>Make: GG / Eqv</b> Thermostat for PFI, <b>Make: STEGO / Eqv</b>	01 No / panel
2.20	Cable Gland 2 x 300 mm <sup>2</sup> / 4C / PVC LT cable on bottom of each panel shall be provided in loose.	

### 3. LT TRANSFORMER PANEL WITH 1600A TP ACB DRAWOUT TYPE

Low tension, industrial cubical pattern indoor type, 14 SWG minimum mild sheet steel Fabricated, totally enclosed, finished with power coated paint RAL-7032 Floor mounting Transformer panel suitable for operation on 3-Phase, 4 wire, 50 Hz, 400-600 Volts system with comprising of following:

S #	Description	Qty
3.1	Mild Steel sheet (14SWG), floor-mounting cubical structure of standard (H x W x D) (2200 mm x 600 mm x 800 mm)	01 Nos / panel
3.2	3 Phase set of HDHC copper bus bars. <b>Main B/Bar 3000 A Rating:</b> Size: 2x100x10 mm per phase. <b>Link / Dropper B/Bar:</b> Size: <i>1600A Rating 1x100x110 or 2x60x10 mm/phase</i> <b>Natural B/Bar Rating:</b> Size: 1x100x10 mm <b>Earth B/Bar:</b> Size: 1x50x10 mm	01 set / panel
3.3	Triple pole, Air Circuit Breaker 1600A, Adjustable rating with draw out mounting, ICU = 100KA with built-in longtime, short time, instantaneous (LSI), Type: NW 16H2 (5.0E) <b>(Make: Schneider or Eqv)</b> Dust proof plastic cover for ACB <b>Make: Schneider or Eqv</b>	01 No / Panel
3.4	Shunt Trip Coil 30 V DC <b>Make: Schneider France</b>	01 No / Panel

3.5	Closing Coil 30 V DC <b>(Make: Schneider or Eqv)</b>	01 No / panel
3.6	Digital Ammeter <b>(Make: LUMEL or Eqv)</b>	01 No / Panel
3.7	4-position Ammeter Selector Switch <b>Make: GG / Eqv</b>	01 No / Panel
3.8	Digital Volt Meter <b>Make: LUMEL / Eqv</b>	01 No / Panel
3.9	7-Position Voltmeter Selector Switch <b>Make: GG / Eqv</b>	01 No / Panel
3.10	CT's "Ring Type" Ratio: 1600/5 A, Burden 15 VA class 1.0 Class for protection <b>Make: FICO, PEL, MATLAX, Pakistan / Eqv</b>	03 Nos / Panels
3.11	CT's "Ring Type" Ratio: 1600/5 A, Burden 10 VA class 0.2 Class for metering <b>Make: FICO, PEL, MATLAX, Pakistan / Eqv</b>	03 Nos / Panels
3.12	Low voltage energy meter for 3-phase, 4-wire system, suitable for 5A CT & 415 VAC, 50Hz <b>Make: PEL Blue Star / Eqv</b>	01 No / Panel
3.13	Combined over current and earth fault relay <i>P-3U20 or Eqv</i> communication Mod Bus, Aux, Voltage 24-240 VDC / 48-240 VAC <b>Make: Schneider France or Eqv</b>	01 No / panel
3.14	LED type indication light "Red, Yellow, Blue" for phase LED type indication light "Green" for ON LED type indication light "Red" for Off LED type indication light "Yellow" for trip reset <b>Make: GG / Eqv</b>	01 No / Panel
3.15	Push Button for Off <b>Make: GG / Eqv</b>	01 No / Panel
3.16	Push Button for ON <b>Make: Gg / Eqv</b>	01 No / Panel
3.17	Panel Tub light 10 Watt, 230 VAC, 50 Hz, <b>Make: Local</b> Limit Switch for panel light <b>Make: OMRON / Eqv</b>	01 No / Panel
3.18	3-P MCB 06A for control (02 Nos) 2-P MCB 10A for control (03 Nos) <b>Make: Schneider / Eqv</b>	01 set / panel
3.19	Panel exhaust fan suitable for 220VAC, size: 8" <b>Make: NICE / Eqv</b> Auto / off / manual selector switch for Exhaust Fan <b>Make: GG / Eqv</b> Thermostat for PFI, <b>Make: STEGO / Eqv</b>	01 No / panel
3.20	Cable Gland 2 x 300 mm <sup>2</sup> / 4C/PVC LT cable on bottom of each panel	
	<p>Note:</p> <p>i. All panel should be coupled with one another on side by user therefore, coupling facility / arrangement and extendibility on both side of Panel is necessary. Panel to panel coupling copper bus bar pieces / fishplate are also provided.</p> <p>ii. Type test composite material wall bushing should be installed as barrier b/w panels on side window.</p>	

4. **LT BUS COUPLER PANEL WITH ADOPTER PANEL 1600A TP ACB DRAW OUT TYPE.**

Low tension, industrial cubical pattern indoor type, 14 SWG minimum mil sheet steel Fabricated, totally enclosed, finished with power coated paint RAL-7032 Floor mounting, Bus Coupler Panel with Adopter, suitable for operation on 3-Phase, 04 wire, 50Hz, 400-600 Volts system with comprising of following:

<b>S #</b>	<b>Description</b>	<b>Qty</b>
4.1	Steel sheet (14SWG), floor-mounting cubical structure of standard H x W x D	01 Nos / Panel
4.2	3-Phase set of HDHC copper bus bars. <b>Main B/Bar 3000A Rating:</b> Size 2 x 100 x 10 mm per phase for coupling with other panel on both side through Adopter. <b>Natural B/Bar Rating:</b> 1 x 100 x 10 mm. <b>Earth B/Bar Size:</b> 1 x 50 x 10 mm	01 set / panel
4.3	Triple pole, Air Circuit Breaker 1600A, Adjustable rating with draw out mounting ICU = 100KA with built-in longtime, short time, instantaneous (LSI), Type: NW 16H2(5.0E) <b>(Make: Schneider or Eqv)</b> Dust Proof plastic cover for ACB <b>(Make: Schneider or Eqv)</b>	01 No / Panel
4.4	Shunt Trip Coil 30 V DC <b>Make: Schneider France</b>	01 No / Panel
4.5	Closing Coil 30 V DC <b>(Make: Schneider or Eqv)</b>	01 No / panel
4.6	Digital Ammeter <b>(Make: LUMEL or Eqv)</b>	01 No / Panel
4.7	4-position Ammeter Selector Switch <b>Make: GG / Eqv</b>	01 No / Panel
4.8	Digital Volt Meter <b>Make: LUMEL / Eqv</b>	01 No / Panel
4.9	7-Position Voltmeter Selector Switch <b>Make: GG / Eqv</b>	01 No / Panel
4.10	CT's "Ring Type" Ratio: 1600/5 A, Burden 15 VA class 1.0 Class for protection <b>Make: FICO, PEL, MATLAX, Pakistan / Eqv</b>	03 Nos / panel
4.11	CT's "Ring Type" Ratio: 1600/5 A, Burden 10 VA class 0.2 Class for metering <b>Make: FICO, PEL, MATLAX, Pakistan / Eqv</b>	03 Nos / Panel
4.12	Combined over current and earth fault relay <i>P-3U20 or Eqv</i> communication Mod Bus, Aux, Voltage 24-240 VDC / 48-240 VAC <b>Make: Schneider France or Eqv</b>	01 No / Panel
4.13	LED type indication light "Red, Yellow, Blue" for phase LED type indication light "Green" for ON LED type indication light "Red" for Off ON LED type indication light "Yellow" for trip reset <b>Make: GG / Eqv</b>	01 No / Panel
4.14	Push Button for Off <b>Make: GG / Eqv</b>	01 No / Panel
4.15	Push Button for ON <b>Make: Gg / Eqv</b>	01 No / Panel
4.16	Panel Tub light 10Watt, 230 VAC, 50 Hz, <b>Make: Local</b> Limit Switch for panel light <b>Make: OMRON / Eqv</b>	01 No / Panel
	3-P MCB 06A for control (02 Nos) 2-P MCB 10A for control (03 Nos)	01 set / panel

	<b>Make: Schneider / Eqv</b>	
	Panel exhaust fan suitable for 220VAC, size: 8" <b>Make: NICE / Eqv</b> Auto / off / manual selector switch for Exhaust Fan <b>Make: GG / Eqv</b> Thermostat for PFI, <b>Make: STEGO / Eqv</b>	01 No / Panel
	<p>NOTE:</p> <ul style="list-style-type: none"> <li>i. RT side of panel should be coupled with existing panel, therefore, coupling facility / arrangement and extendibility on both side of panel is necessary. Panel to panel coupling cooper bus bar pieces / fishplate are also provided.</li> <li>ii. Type test composite material wall busing should be installed as barrier b/w panels on side window.</li> </ul>	

**5. TRANSFORMER 1000 kVA INDOOR TYPE**

Indoor type 1000 kVA 3-Phase 50Hz. Oil immersed / conservator, ONAN cooled for use in an ambient temperature of 50°C. Delta star winding with neutral brought on LV side. Vector Group-Dyn 11, A dial indication thermometer on tank, silica gel breather, an oil gauge with the conservator and Buchholz relay to be incorporated with paint color (RAL-7032):

Rated Power	1000 kVA
Rated voltage	11000/415-230 Volts
Rated Frequency	50 Hz
Full Load Current	52.4/1391 Amps.
No. of Phases	03
Neutral	on LV side
Impedance	± 5 % to 10 %
Type of Cooling	ONAN
Ambien Temperature	50°C
Temperature rise	50°C
Tapping on HV side	± 2.5 % ± 5 % ± 7.5 %
Efficiency	98.45
Winding Connection	Dyn-11

**Following Standard Fitting to be Provided:**

- i. Oil conservator tank with oil level gauge
- ii. Silica Gel breather
- iii. Roller Bi-Directional
- iv. Off load tap changer (OCTC) (C.A.P.T Italy) type DT Model 095
- v. Rating and Diagram name plates
- vi. Oil drain valve (imported)
- vii. Earthing Terminal
- viii. Dial type thermometer with contact (imported)
- ix. Double float Buchholz relay (imported)
- x. Pressure relief device (imported)
- xi. Lifting Lug

**6. Documentation Qty: 02 Sets in English**

- 6.1 Detailed drawings & specifications of the equipment / machinery
- 6.2 Equipment layout and schematic diagram
- 6.3 Internal wiring and control schematics

- 6.4 Relay configuration sheets
- 6.5 OEM manuals and test certificates
- 6.6 Technical literature / specifications / data sheets for all installed equipment.
- 6.7 MSDS if applicable.
- 6.8 All documents and accessories required for installation, programming, configuration, commissioning, repair, and maintenance should be included in supply.
- 6.9 All the programs / parameter & configuration fed to any programmable device /equipment will be provided in hard and soft copy (in USB).
- 6.10 Electrical SLD with safety interlocks
- 6.11 Operation, maintenance and service manual
- 6.12 Wiring diagram, logic flowchart, /O list. cable schedule
- 6.13 Calibration certificates for meters / gauges / sensors
- 6.14 Recommended spare parts list for Scheduled & Breakdown maintenance

## **7 Standards/ Approvals**

- 7.1 The product shall conform all latest IEC / BSS standards
- 7.2 Offered type of Breaker of 11 kV panel must have type tested report from any STL lab.
- 7.3 Panel manufacturing firm should be WAPDA approved & must have Type Tested

## **8. Preliminary Inspection**

- 8.1 Preliminary inspection / acceptance at manufacturer's / OEM / firm's premises will be conducted by 05 x POF officials for 05 x working days.
- 8.2 Preliminary inspection of transformer will be carried out as per latest international test standards.
- 8.3 100% inspection as per specifications will be considered "Acceptable / Satisfactory"
- 8.4 All expenses including boarding / lodging, DA and inland transportation in respect of Preliminary Inspection team will be borne by purchaser.
- 8.5 In case of non-conformance to any tender specifications highlighted by the Preliminary Inspection team will be rectified by the supplier and will be resubmitted to the purchaser for inspection within the period agreed upon by both parties.
- 8.6 Preliminary inspection will include scope as per "Annexure – B"

## **9. Installation & Commissioning**

- 9.1 All panel installation, commissioning, testing and coupled with one another on site will be responsibility of supplier. Therefore, coupling facility / arrangement and extendibility on both sides of panels will be supplier's responsibility including adopter panel if required.
- 9.2 Panel to panel coupling, copper bus bar pieces / fish plats will be provided by supplier.
- 9.3 Provision of 110-120V DC through battery charger for relay and trip / close coil will be supplier's scope.
- 9.4 POF will provide utilities (water, compressed air, electricity) during installation & commissioning.
- 9.5 All safety risks associated with installation & commissioning will be the responsibility of supplier.
- 9.6 Requisite materials (Mechanical / Electrical) for installation & commissioning will be managed by the supplier.
- 9.7 Any Civil work required during installation / commissioning will be responsibility of supplier
- 9.8 The supplier will provide information regarding time schedule and total man-weeks of its engineers / technicians required for installation, commissioning and trial run of the plant.
- 9.9 All expenses, including boarding & lodging, air travel and daily allowances of the engineers / technicians during installation / commissioning will be borne by the supplier.
- 9.10 After installation and commissioning. plant will be accepted on firm's warranty guarantee. The warranty / guarantee will be binding on the supplier for a period of 12 x months reckoning from the date of successful FAT of the machine as per criteria

10. **Final Acceptance Test**

- 10.1 Final acceptance test will be performed at purchaser premises.
- 10.2 Panels will be operated on load for 07 x days to monitor operation and desired results
- 10.3 Based on successful FAT, a certificate will be issued by purchaser
- 10.4 The firm will provide on job training to Engineers / Technicians at purchaser premises during installation & commissioning.
- 10.5 FAT will be carried out as per criteria given at "Annexure – C".

11. **Payment Term & Conditions**

- 11.1 Payment term and condition are negotiable. 60% payment will be paid after receiving of store at purchaser's premises and after Acceptance Certificate signed by inspection team, confirming satisfactory Preliminary inspection.
- 11.2 40% payment will be paid upon final acceptance certificate signed by Inspection team nominated by Purchaser:
- 11.3 The firm will provide performance bond @ 10% value of the contract in the shape of bank guarantee before contract. Same guarantee will be valid for 12 x months after successful completion of FAT.

12. **Warrantee / Guarantee**

12 x months of all equipment and services after successful FAT and operation of complete system.

**SCOPE OF PRE-LIMINARY INSPECTIONS**

<b>S #</b>	<b>Description</b>	<b>Test / check</b>	<b>Acceptance criteria</b>
<b>GENERAL CHECKS</b>			
1.	Drawings & specifications	<ul style="list-style-type: none"> <li>Sectional view of incomer, bus coupler &amp; feeder panels.</li> <li>Technical specifications of Switchgears.</li> <li>Foundation details etc.</li> </ul>	Availability of proper drawings and specifications.
2.	Labeling	<ul style="list-style-type: none"> <li>Panel nameplates as per requirement (Manufacturer's name and trade mark, Serial No. Type of Panel, Destination label)</li> <li>Shipping labels and packing provision.</li> </ul>	Clarification of all labeling as per requirements.
3.	Dimensional Inspection	<ul style="list-style-type: none"> <li>Phase-to-phase and phase-to-earth clearances</li> <li>Panel width, depth, height (as per drawing)</li> </ul>	Measurement and alignment checks
4.	Visual Inspection	<ul style="list-style-type: none"> <li>Separate compartments as per requirements.</li> <li>Two copper earthing strips.</li> <li>Enclosed safe Compartment.</li> </ul>	Requirements satisfied.
5.	Quality check	<ul style="list-style-type: none"> <li>Cubical sheet thickness and quality check.</li> <li>Paint finish and quality</li> <li>Alignment of panel doors and handles</li> </ul>	Quality will no be compromised.
<b>MECHANICAL CHECKS</b>			
6.	Mechanical Inspection	<ul style="list-style-type: none"> <li>VCB operation (manual / motorized).</li> <li>Vacuum bottles and quality test.</li> <li>Spring charging mechanism</li> <li>Door locks &amp; earth switch</li> <li>Proper door opening / closing.</li> <li>Switch gear rack in/out</li> <li>Moving cluster type isolating contact.</li> <li>Automatic safety shutters marked "BUSBARS &amp; CABLES".</li> <li>VCBs manual close not allowed.</li> </ul>	Freely movement of moving items and quality not compromised.
<b>ELECTRICAL TESTING</b>			
7.	Resistance Test	<ul style="list-style-type: none"> <li>Insulation Resistance Test (15kV megger)</li> <li>Contact resistance test (using micro-ohmmeter)</li> </ul>	Resistance and insulation as per IEC standard.
8.	Switch gear test	<ul style="list-style-type: none"> <li>Switch gear ON/OFF test from push button.</li> <li>Indications for status verification</li> </ul>	Switch gear / button and indications working properly
9.	Circuits verification	<ul style="list-style-type: none"> <li>Control circuit loop test</li> <li>GCB interlocking test</li> </ul>	All circuits and interlocking working properly
10.	Protection testing	<ul style="list-style-type: none"> <li>Relay configuration and setting.</li> <li>Protection functional test</li> </ul>	Configuration verification relay tripping test.

11.	Metering & instrumentation	<ul style="list-style-type: none"> <li>• Ammeter, voltmeter</li> <li>• Selector switch</li> <li>• Energy meter functional</li> <li>• Running hours meter</li> </ul>	Calibration and functional test, with phase changeover.
12.	Measuring Devices	<ul style="list-style-type: none"> <li>• CT / PT output, mounted and Labeling Check</li> </ul>	Properly labeled, mounted and output test.
<b>DOCUMENTATION VERIFICATION</b>			
13.	Documents to be provided with panel	<ul style="list-style-type: none"> <li>• Final drawings (SLD, wiring)</li> <li>• Routine test certificate.</li> <li>• Type test certificate</li> <li>• CT / PT test reports</li> <li>• Relay configuration sheet, with wiring manual.</li> <li>• Operation manual</li> <li>• Guarantee / warranty certificate.</li> </ul>	All mentioned documents are provided.

**FINAL ACCEPTANCE TEST CRITERIA**

<b>S #</b>	<b>Description</b>	<b>Criteria</b>	<b>Remarks</b>
1.	Documentation Verification	<ul style="list-style-type: none"> <li>Electrical HT/LT Inspection certificates (as per IEC standards)</li> <li>Protections relay manual and calibration certificates.</li> </ul>	Certification and calibration / configuration details availability
2.	Switch gear specification	<ul style="list-style-type: none"> <li>Switch gear fulfils the requirements</li> <li>Operation and Maintenance manual availability</li> </ul>	Fulfil requirements
3.	Cubical Inspection	<ul style="list-style-type: none"> <li>Check physical condition of the panel</li> <li>Paint finishing, labels, diagrams, nameplates</li> <li>Busbar clearance, phase-to-phase and phase-to-earth.</li> <li>Panel dimensions as per requirement</li> </ul>	Quality not compromised dimensions fulfils
4.	Mechanical operation	<ul style="list-style-type: none"> <li>Manual &amp; motorized operation of VCBs (Feeder, Transfer, Bus-coupler)</li> <li>Spring charging mechanism</li> <li>Door interlock and earth switch interlocking</li> </ul>	Moving parts working properly
5.	Electrical continuity & Insulation Resistance	<ul style="list-style-type: none"> <li>Contact resistance of busbars (using micro-ohmmeter).</li> <li>Insulation resistance (IR) test with 15kV meager</li> <li>Control wiring IR (500V megger)</li> </ul>	Test fulfils as per OEC standard.
6.	Control wiring check	<ul style="list-style-type: none"> <li>Verify point-to-point wiring as per schematic.</li> <li>Check terminal markings and ferrules</li> <li>Control supply Voltages (230V/110V AC or 110V DC).</li> <li>Loop test for all control and protection circuits.</li> </ul>	Satisfactory performance of all control operations
7.	Relay Testing	<ul style="list-style-type: none"> <li>Check relay settings: OCR, EF, REF.</li> <li>Primary / secondary injection testing of protection relays</li> </ul>	Proper operation with simulated inputs.
8.	Relay functional testing	<ul style="list-style-type: none"> <li>Feeder protection</li> <li>Transfer logic</li> <li>Bus coupler control logic</li> <li>Trip &amp; alarm verification</li> </ul>	Proper operation with simulated inputs.
9.	Functional & interlock test	<ul style="list-style-type: none"> <li>VCB interlocking Test</li> <li>Incomer &amp; Bus coupler closing interlock.</li> <li>Transfer scheme interlocks.</li> <li>Remote / local control operation</li> </ul>	Successful operations

10.	Metering system testing	<ul style="list-style-type: none"> <li>• CT/PT ratio verification.</li> <li>• Accuracy of voltmeters, ammeters, energy meters.</li> <li>• Load balancing and phase sequence test</li> </ul>	Error less meter readings.
11.	Final checklist & sign-Off	<ul style="list-style-type: none"> <li>• Test report compilation</li> <li>• Observations, deviations if any</li> <li>• Customer sign-off</li> <li>• FAT Certificate issued.</li> </ul>	Complete in all aspects.

GOVERNMENT OF PAKISTAN  
PAKISTAN ORDNANCE FACTORIES  
**TENDER ENQUIRY**

To

Dear Sir,

Reference: **TENDER ENQUIRY NO. 08-LP-DS-CAPT-55 DATED 24-3-2026.**

You are requested to submit sealed quotations for the item(s) noted in the Schedule to the Tender. Offer should be sent duly sealed in an envelope. Please note the following instructions for filling the tender: -

1. **SUBMISSION OF TENDER:**

- 1.1 Tenders will be opened at **1230** hours on **04-5-2026** at Bid Centre adjacent to Reception Hall, POF Wah Cantt and must reach at below mentioned address before 30 Minutes of opening time. The tender received late will not be entertained. You may witness the opening of the tender if you so desire. If a representative is deputed, he should bring CNIC in original and a letter of authority from you.
- 1.2 Only one tender should be included in one envelope. The outside of the envelope should be inscribed with: -  
Tender Enquiry No: **08-LP-DS-CAPT-55 DATED 24-3-2026.**  
Tender to be opened on: **04-5-2026**  
Address as follows: - **DIRECTOR SERVICES, BID CENTER, ADJACENT TO RECEPTION HALL, POF WAH CANTT.**  
Tele: +92-51-9055-21090  
Fax: +92-51-9271400, 9314100
- 1.3 If envelope does not indicate reference of T.E or received late the same may be returned un-opened.
- 1.4 Tender "By Hand" can be delivered at Bid Centre, Reception Hall, POF Wah Cantt.

2. **GENERAL INSTRUCTIONS REGARDING PREPARATION OF QUOTATIONS:**

- 2.1 For materials, the prices should be filled in column 5 and delivery date in column 6 of the schedule to this Tender Enquiry. The undertaking should be signed at the bottom of the Schedule which shall form the Quotation. You may use a separate sheet if necessary. As per PPRA Rule 36(b), single stage –two envelope bidding method will be adopted for "open competitive bidding." Moreover, technical & commercial evaluation of Bids will be carried out strictly as per PPRA Rules and contract (s) will be awarded to the most advantageous bidders (s).
- 2.2 For plant and machinery, you are required to quote in two parts: -  
Part-I **"Technical Offer"**: It should exclusively give technical details and literature / brochures of the offered plant, machinery & equipment; validity date; delivery schedule; and signed undertaking given on the schedule to this Tender Enquiry. It must not indicate price, costs etc.  
Part-II **"Commercial Offer"**: It should indicate the commercial terms e.g., price, terms of payment mode of payment made of supply. Each part should be placed in a separate sealed cover. The envelopes should be inscribed with Part-I "Technical Quotation without price" and part-II "Commercial Quotation with price".
- 2.3 The quotation must remain valid for, at least **120 days** from the date of opening of commercial tenders, extendable if so desired.
- 2.4 The quotation should hold good for any reduced or enhanced quantities without notice.
- 2.5 In the event of non-acceptance of offer, intimation may be given to the Tenderers on their request.
- 2.6 Conditional offers or alternative offers are likely to be ignored.
- 2.7 Quotations should be based on: -  
F.O.R. station of Dispatch basis, i.e., delivered free on rail, inclusive of packing and forwarding charges. The stores will be booked under Military Credit Note, to be provided by the purchaser.  
and/or  
Free delivery at **POF Wah Cantt**  
In this case Octroi duty will be payable by the supplier.
- 2.8 Taxes and Duties etc. where applicable, must be shown separately, quoting reference to Registration No. in cases of Sales Tax and relevant authority in the case of others. Offer without these clarifications and inclusive of Taxes and Duties may be ignored.

- 2.9 Taxes and duties levied on or after Tender opening date or on or after the date offer was signed and dispatched will be allowed to include in the offered rates.
- 2.10 "Suppliers will furnish a certificate, issued by Excise & Taxation Deptt, that he has cleared all Professional Tax payable by him" offers received without this certificate will be rejected.
- 2.11 Suppliers will render necessary information regarding hazardous effects on environment, of the materials / products supplied by them, in their quotations and shipping/dispatch documents.
- 2.12 If the requisite information is not furnished on the T.E forms or offer received is not conformity with the requirement of the T.E such offer shall be ignored.

3. **INSPECTION:**

- 3.1 Supplies shall be subject to the inspection and acceptance by the competent inspection authority nominated by the Purchaser, who will arrange it at his own cost. Inspection facilities such as tools, test equipment, instruments etc. will, however, be provided by the Suppliers in accordance with the relevant specifications.
- 3.2 Where considered necessary by the Purchaser, stores may be obtained on Warranty / Guarantee, subject to inspection on receipt. Rejected stores will be removed and replaced with the acceptable stores by the Supplier at his own expense, within a specified time.

4. **TENDER FEE**

The tender must be accompanied by a non-refundable fee by means of a crossed postal order / pay order for Rs 500/- in favour of **Director Admin POFs Wah Cantt.**

4.1 **TENDER SAMPLE**

Where required, offer must a company tender sample, strictly according to the description and specification given in Tender Enquiry. Offer not accompanied by tender sample will NOT be entertained excepting the established and reputable firms who have either previously satisfactorily supplied the same or similar stores or have submitted an acceptable sample thereof against previous T.E.

5. **BID MONEY**

- 5.1 A copy of Bid Security should accompany the tender in shape of deposit at call receipt/Pay Order/Banker Cheque from scheduled bank drawn in favour of:  
**DIRECTOR SERVICES**
- 5.2 Bid security instrument in original must be provided on the day/date of tender opening in the Bid Center as under:
  - a. **Registered/indexed** firms including foreign firms - 2% of quoted value subject to the maximum ceiling of Rs. 0.5 Mn.
  - b. **Registered/un-indexed** firms including foreign firms - 3% of quoted value subject to the maximum ceiling of Rs. 0.75 Mn.
  - c. **Unregistered** firms including foreign firms - 5% of quoted value subject to the maximum ceiling of Rs. 1.00 Mn.
  - d. Govt organization/production units/state owned enterprises/welfare projects of Svcs HQ - Rs 0.50 M.
  - e. Bid money will be returned to unsuccessful (less first three lowest quotee firms) bidders on opening of commercial offers.
  - f. Bid money will be returned to successful bidders on submission of performance bond/unconditional B.G.
  - g. Quotation accompanied with less bid money will be accepted on provisional basis for 10 x days after opening of bids. However, the firms are bound to provide/furnish the balance bid money within 10 x days after opening of bid otherwise such quotations will be ignored or rejected.
  - h. Offers received without Bid Security will not be entertained.
  - i. Bid money will be forfeited in case the quotation is withdrawn before the expiry of its validity date.

6. **ACCEPTANCE OF OFFERS:**

- 6.1.1 The procuring agency may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The procuring agency shall upon request communicate to any supplier or contractor who submitted a bid or proposal, the grounds for its rejection of all bids or proposals, but is not required to justify those grounds.
- 6.1.2 Procuring agency shall incur no liability, solely by virtue of its invoking sub-rule (1.1) towards suppliers or contractors who have submitted bids or proposals.
- 6.1.3 Notice of the rejection of all bids or proposals shall be given promptly to all suppliers or contractors that submitted bids or proposals.

## 6.2 **PERFORMANCE BOND**

- (a) The successful bidders shall provide Performance bond at the rate, prescribed by POF Board according to the value of contract which shall not exceed 10% of contract value, in the form of a Deposit At Call Receipt from a scheduled Bank; or, an un-conditional Bank Guarantee valid for 12 months (03 months extendable to 12 months in case of cloth items required by Clothing Fy.) after receipt of store in POFs on a prescribed format. The Performance Bond will be in favour of C.M.A. POF Wah Cantt. It will be returned on satisfactory completion of the contract.
- (b) If the Supplier fails to furnish the Performance Bond within the specified time, such failure will constitute a breach of the contract and the Purchaser shall be entitled to make other arrangements for purchase of the stores at the risk and expense of the Supplier.

6.3 Performance Bond from State owned organizations may be waived off at the discretion of the Purchaser.

## 6.4 **FAILURE TO SUPPLY THE STORES:**

All deliveries must be completed by the specified date. If the failure to deliver the stores within the scheduled time should have arisen from "Force Majeure", which the Purchaser may admit as reasonable ground for further time, he will allow such additional time as he may consider to have been required by the circumstances of the case. Otherwise, he will be entitled, at his discretion, to cancel the contract; and / or, claim liquidated damages up to 2% but not less than 1% of the contract price of the items and their quantities for each and every month or part of a month, beyond the specified delivery date, during which these may not be delivered, subject to a maximum of 10% of the total contract value of the particular stores which remained unsupplied either in part or in full: or, to purchase, from elsewhere, the unsupplied stores at the risk and cost of the Supplier.

## 6.5 **PAYMENT:**

- i. Firm will offer on FOR basis.
- ii. 100% Payment will be made by the CMA (POF) through crossed cheques on receipt /acceptance, installation / commissioning and successful FAT, of stores on our prescribed bill form supported by receipt voucher.
- iii. Payment of duties / Taxes including professional tax (where applicable) must be supported by proof of having paid these to concerned Govt. Taxation Deptt.

## 7. **SECURITY OF INFORMATION:**

The tenderer and his employees must not communicate any information relating to the sale/purchase of stores under this enquiry to any person other than the manufacturer or to any press or agent not authorized in writing by POFs to receive it.

Please return the Schedule to the Tender duly signed by the specified date, along with the specifications drawings etc. if any, enclosed herewith - even if you are unable to quote.

**WARNING:** In case the firm abstain from making offers or fail to return/acknowledge the tender form by the specified date on three consecutive occasions, no further tender enquiry may be issued to them and their names would be liable to remove from the approved list.

Yours faithfully,

**A/DIRECTOR SERVICES**  
Pakistan Ordnance Factories  
Wah Cantt  
Tele + 92-51-905524339  
Fax + 92-51-9271400 & 9314100  
E-mail: [dirser.pof@gmail.com](mailto:dirser.pof@gmail.com)  
[gmppc\\_services@pof.gov.pk](mailto:gmppc_services@pof.gov.pk)

**PAKISTAN ORDNANCE FACTORIES**

**SCHEDULE TO TENDER NO. 08-LP-DS-CAPT-55 DATED 24-3-2026.**

**(1) FOR MATERIALS**

(1)	(2)	(3)	(4)	(5)		(6)
Item No	Description with spec etc.	A/U	Qty	Price per unit Free delivery at Wah Cantt		Delivery date
				In figure	In words	
1.	Fire Tenders The specification is attached as <b><u>Annexure-A.</u></b>	No	04			

**(2) For Plant & Machinery:**

Specification: - attached as **Annexure-A.**

**(3) Special Conditions:**

1. Indicate the Model, Name of the Manufacturer, country of origin and also provide the Technical Brochure of the Material / Products being offered.
2. Breakdown of rates be given showing price and sales tax separately otherwise rates will be consider inclusive of GST.
3. Quotation may be submitted if you are registered with sales tax department, only registered suppliers (with sales Tax & Income Tax Deptt.), who are on Active Tax payers List (ATL) of FBR are eligible to supply goods/services to Govt. Deptt. if any registered supplier is not in ATL, his payment would be stopped till he files his mandatory returns and appears on ATL of FBR. Sales Tax Registration number may also be indicated.
4. Govt. & Semi Govt. departments detailed in para 8 of CBR letter No. 1/10-stb/98 dt. 12-06-1998 are not required to be registered since they are not involved in any taxable activity. So registered supplier shall pay sales tax at the standard rate. i.e., 18 %
5. The supplier will provide the requisite CDR along with the complete Mailing Address, Telephone No, Fax No, E-Mail and branch code of the issuing bank and in addition for Distt. /Zonal office of the same bank.
6. It is requested to quote in two parts (Technical & Commercial) as per our T.E Clause No. 2.2, otherwise your offer will be rejected.
7. Original bid money and tender fee must be reached in bid Centre at the time of tender opening date time, however firm attach photocopy of bid money hiding the amount & tender fee with technical bid.
8. Inspection authority GM Electrical or his authorized rep.
9. Firm must attach PTC, NTN, ATL certificates with technical offer.
10. Firms who are registered with SECP also eligible to participate in bid attach registration certificate.
11. Firm must attach undertaking of T.E duly signed & stamped with technical offer.
12. Firm will provide evidence regarding payment of stamp duty @**0.25%** of contract value according to section-3 of stamp act 1899 at the time of payment along with billing documents

**(4) Undertaking**

Should our offer be accepted, we hereby undertake to supply the stores/render the services contracted on the basis of General Conditions of Contract embodied in Form POF-1281, and to deposit the performance bond within the prescribed time, failing which it will constitute a breach of contract, and POF will have the right to purchase the stores/services elsewhere at our risk and cost.

Place \_\_\_\_\_

Date \_\_\_\_\_

Signature of the Tenderer \_\_\_\_\_

Name \_\_\_\_\_

Position \_\_\_\_\_

Address \_\_\_\_\_

Income Tax G.I.R No. \_\_\_\_\_

Official stamp.

**SPECIFICATION OF FIRE TENDER**

Nomenclature		Fire Tender
TECHNICAL DATA		
<b>1. CHASSIS:</b>		
a.	Recommended Brand of Chassis:	MAN, Mercedes Benz, ISUZU, HINO or equivalent.
1.1	Engine	06 Cylinder Diesel Engine.
1.2	Engine Capacity	240-250 HP with Turbo Charge.
1.3	Type of Drive	4 X 2 RHD
1.4	Transmission System	09 Speed manual / automatic transmission system and must be equipped with built in Differential Lock System at rear axle.
1.5	Brake	ABS (Anti-Lock Braking System) with AEBS (Advanced Emergency Braking System) / Anti Collision or equivalent.
1.6	Steering	Power Steering
1.7	Electric System	24 Volts with all standard electrical fittings with built-in battery isolation switch in driver cabin.
1.8	PTO	Single stage PTO shaft original built in by OEM with compatibility certificate from chassis manufacturer, Front Power Take off. operated from driver cabin.
1.9	Fuel Tank Capacity	Minimum 300 Liters.
1.10	Diagnostic Scanner with backup software	OEM offered diagnostic scanner for troubleshooting / identification of faults with recommended accessories.
<b>CABIN:</b>		
1.11	Driver + Crew Cabin Capacity	Driver + crew Cabin built by the respective chassis manufacturer with seating capacity of 07 persons (Driver Cabin: 02 Person + Crew Cabin: 05 Persons). Safety belts on all seats.
1.12	Colour	Red [Decimal Code # rgb (255, 0, 0)]
1.13	Doors	All doors must be equipped with power windows and metallic door handles and catchers.
1.14	Cabin Lights	LED Cabin lights.
1.15	Dashboard & LCD	<ul style="list-style-type: none"> <li>➤ Dashboard must be equipped with OEM built-in LCD Display with rear view camera.</li> <li>➤ Suitable switches for cabin lightning, headlights, Siren, PA System, PTO and AC/Fan Controls etc. as per OEM standard.</li> </ul>
1.16	Beacons and PA System	Public Address System with Multi tones Siren & Separate controlling devices with 01xFlashing beacon lights bar mounted on cabin roof. (Brand: Boss, Whelan, Carson or equivalent)
1.17	Protective Metal Grills	Protective metallic grills on external lights i.e head lights, rack lights, rear lights, Roof high beam LED lights and flashing beacons bar.
<b>2. SUPER STRUCTURE:</b>		
2.1	Superstructure:	Supporting structure made of corrosion resistance MS and Aluminum Sheet metal flooring construction.
2.2	Equipment Compartments	Suitable storage compartments with roller shutters, drawers with railing for the placement of Fire Fighting equipment and accessories.
2.3	Roller Shutters	Aluminum Roller Shutters with suitable locking system. Metallic pull rod base and lock buckle. (Brand: Robinson Shutters or equivalent)
2.4	Miscellaneous Compartments	<ul style="list-style-type: none"> <li>➤ Wings compartments (Lower Side of equipment compartments) for Electric Generator, FF Equipment, Batteries, Electrical / Pneumatic System, Fuel Tank, Hydrant Inlets etc. with lockable pull latches and handles.</li> <li>➤ Suction Hose Compartment for storage of 04x Suction Hoses on the roof of super structure.</li> </ul>
2.5	High Beam LED Lights	04x manually adjustable High Beam LED Lights installed at four corners of super structure.
<b>3. EXTINGUISHING SYSTEM</b>		
3.1	Fire Pump	Centrifugal Multi Stage Pump Combine High & Low Pressure driven by PTO, Automatic Priming System, Rear Mounted and made of corrosion resistant light alloy, having pump shaft made of Stainless Steel with built in priming system placed around the pump and controllable with Push/Pull

		<p>switch. Priming time @ 2 seconds per feet and suction head 20 feet in 40 second and oil bath lubrication (self-lubrication), with following performance:</p> <ul style="list-style-type: none"> <li>• Low Pressure minimum 3500 LPM @ 10 Bar</li> <li>• High Pressure minimum 250 LPM @ 40 Bar</li> </ul> <p>Standard manual engagement / operation of fire pump in case of automatic main system (pneumatic) failure. Fire pump must be equipped with;</p> <ul style="list-style-type: none"> <li>➤ OEM built-in Control Panel for electrical fire pump operations.</li> <li>➤ Suitable Analog Gauges</li> <li>➤ Electronic Water Level Gauge</li> <li>➤ Manual Levers for Fire Hose Reels, High Drive</li> <li>➤ 04x water outlets well ergonomically mounted at 3' to 4' height from ground. Individual controlled screw down valves with metallic knobs. 2¾" instantaneous female couplings.</li> <li>➤ All marking must be of permanent nature or engraved and capable to withstand the effects of extreme weather / temperature and humidity.</li> </ul> <p>(Brand: Rosenbauer, Godiva, Waterous or equivalent)</p>
3.2	Water Tank	Capacity minimum 4500 Liters, corrosion free, water tank made of Stainless-Steel sheet of 4mm thickness, AISI 304L, duly mounted on rubber/ steel elements and provided with one manhole with quick release hatch type, cast aluminum alloy cover. 02x Hydrant inlets (2¾" instantaneous coupling) in wings compartments and Manual water level gauge in pump compartment.
3.3	Fire Hose Reels	02x Fire Hose Reels 100' length x 1" internal diameter mounted in left and right side of fire pump compartment. Rewinding of rubber hose reels with manual lever / automatic mechanism. The end of each hose should be fitted with Turbo Nozzles with Pistol Grip diameter 1" (25.4mm) with screw coupling. (Brand: Akron Brass, TFT, Rosenbauer or equivalent)
<b>4. FIRE FIGHTING EQUIPMENT'S / ACCESSORIES</b>		
4.1		04x Rubber Suction Hoses of 10' X 5" diameter each, Flexible, Durable, Steel wire reinforced with suction hose rope and bag. (Brand: AWG, Firequip, Rosenbauer, or equivalent)
4.2		01x Low Level Metal and Basket Strainer for Suction Hoses with Two Spanners.
4.3		01x Shield branch. (Brand: Akron Brass, TFT, Rosenbauer or equivalent.
4.4		02x Turbo Nozzles with 2¾" instantaneous coupling. (Brand: Akron Brass, TFT, Rosenbauer or equivalent.)
4.5		02x Folding scoop stretchers (Latest version) (Brand: Ferno, Curaplex or equivalent)
4.6		02x Fire blankets Dimensions (L x W): 160 x 200 cm. (Brand: Nomex or equivalent)
4.7		01x Mega Phone with rechargeable batteries and AC adopter for each vehicle.
4.8		06x Portable High Beam LED Flashlight / torch with chargers (AC & DC), min. 800 lumens, with min. 3000mAh rechargeable battery, Shoulder Strap. (Brand: Streamlight or equivalent)
4.9		02x Life lines / Rescue cladded core ropes (EN 1891 and EN 362 dia. 11mm, 30 meter long), with one – hand aluminum carabineer according to EN 362, the other end bluntly smelted.
4.10		01x Two Sections Aluminum Alloy Ladder min. extended length 24', min. closed length 15', min. width 22", min. Banking Thickness 6" according to EN 1147. (Brand: Rosenbauer, Alco-Lite or equivalent)
4.11		01x Three Way Collecting Head (5" Screw coupling x 2¾" Instantaneous Coupling)
4.12		02x Foam Branch with lightweight Pick-up Tube & proportionator (Brand: AWG, Akron Brass, TFT, Rosenbauer or equivalent)
4.13		01x Roof Monitor with fog and jet function having capable of minimum 3500 LPM output with OEM built-in control panel and can be operated manually as well. (Brand: TFT, Akron Brass or equivalent)
4.14		01x Portable Smoke Exhaust Fan (Fan Size: 24", Min. 1.3 kW Electric Motor: min. 1.2 hp, min. 1700rpm) 4-tip recurved aluminum blades, powder coated steel frame with steel grill, Rubber Feet, carrying handles. Smoke ejector spiral duct with adopter, duct made of polyester compact steel wire helix design, heat resistance upto 250°F. 300 feet extension wire rolled on cable drum with suitable sockets. Must be compatible with minimum 03-Kv Electric Generator. (Brand: SUPERVAC, Morita or equivalent)
4.15		08x Fire Turnout Suits (Sizes: Medium=02, Large=05 & XL=01) including Fire Resistance Gloves, Synthetic Safety Boots, Color Black, EN Standard: 20345 S5, made of PVC (Sizes: USA/EU: 9/42.5=02 Pairs, 9.5/43=02 Pairs, 10/44=02 Pairs, 10.5/44.5=02 Pairs), 08x Fire Helmets with visors and head lights, Face & Neck protection sheets along-with Flash hoods. (Brand: Rosenbauer or equivalent)
4.16		08x Pairs of Slip-In Protective Boots, EN Standard 1509:2012, Sizes: USA/EU: 9/42.5=02 Pairs, 9.5/43=02 Pairs, 10/44=02 Pairs, 10.5/44.5=02 Pairs (Brand: Rosenbauer or equivalent)
4.17		04x SCBA with full face mask and composite air cylinder 9 Liters /300 Bar, minimum 50 minutes' nominal duration with built in talk around, communication system in mouth piece to connect with ICOM IC-F3003 Walkie Talkie sets for wireless communication interface. Package contains Tool Kit, Service kit for 06 years and Carrying case. (Model: Scott Sigma 02 with AV3000 face piece or equivalent)
4.18		04x PASS Devices

4.19	08x Multipurpose Full Mask Respirators with 16 spare cartridges.
4.20	04x Pairs of electric resistant gloves tested up to 20000 Volts.
4.21	06x Fireman Axe with insulated handle.
4.22	01x Telescopic ladder, Minimum Height 2'-4" & maximum height 10' ½". (Brand: Rosenbauer or equivalent)
4.23	01x Bolt Cutter (Electrician Type).
4.24	01x Set of 02 pieces of heavy-duty solid rubber Hose Bridge/ Hose ramp for protection of fire hoses with slip-proof finish, the links which also acts as handles, set consist of 03 hose bridges for accommodation of 2¾" delivery hoses.
4.25	01x PVC Hook (For high voltage current with standard length 20' in two parts.)
4.26	14x Fire Hose Pipes EPDM, double jacket (BS 6391 Type 3) 2¾" Dia. x 75' length with instantaneous coupling. (Brand: Angus Duraline or equivalent)
4.27	01x Electric Generator minimum 03 KVA. (Brand: Honda or equivalent)
4.28	01x Standard First Aid Kit with recommended accessories, contained in tough water-resistant bag having at least five internal storage compartments, double zip closure and adjustable shoulder strap.
4.29	04x Complete honey bee dresses with Beekeeper Jacket & Suit, Helmet, Pants, Gloves, Pest Control bee/wasps, hornets' yellow jackets.
<b>5. SPARES (FOR EACH VEHICLE)</b>	
a)	<b>For Fire Pump:</b> (Brand of spares should be of same brand as installed) <ul style="list-style-type: none"> <li>➤ Butterfly valves all size used in vehicle (01 each).</li> <li>➤ One PTO switch with throttle cable.</li> <li>➤ Set of Packing / Seals of Fire Pump &amp; priming System</li> <li>➤ Electric Switches &amp; pneumatic valves used in vehicle</li> <li>➤ 02 Set of seals for pneumatic system used in the vehicles.</li> <li>➤ Analog / electronic gauges of fire pump (01 each).</li> </ul>
b)	<b>For Fire Vehicle</b> <ul style="list-style-type: none"> <li>➤ 02x Fan Belt.</li> <li>➤ Brake Shoes complete set for each vehicle.</li> <li>➤ Bulb &amp; Fuse sets.</li> <li>➤ 04x Oil Filters, 02x Fuel Filters, 02x Air Cleaner elements &amp; other filters for each vehicle.</li> <li>➤ One Spare Tyre, Jack, Wheel Brace with Tyre Lever.</li> <li>➤ Standard Tool Kit (02 Sets) for Super Structure.</li> <li>➤ Standard Chassis Tools (02 Sets).</li> </ul>
<b>6. SPARE SUPPORT</b>	
<ul style="list-style-type: none"> <li>➤ Certificate for availability and provision of spares for next 10 years shall be provided from OEM of Truck Chassis &amp; Fire Pump, Roof Monitor Branch and Fire Equipment &amp; Accessories.</li> <li>➤ Certificate for provision of technical support for next 10 years as &amp; when required by the purchaser and 08x Years annual schedule service /maintenance support on payment after 02 years free annual service / maintenance of vehicle, shall be provided by the contracting firm.</li> </ul>	
<b>7. WARRANTY / GUARANTEE</b>	
<ul style="list-style-type: none"> <li>➤ 10 years warranty for water tank.</li> <li>➤ 05 years warranty for fire Pump, PTO, Priming System, Roof Monitor Branch, Fire equipment's &amp; Accessories.</li> <li>➤ 02 years warranty for the vehicle.</li> <li>➤ 02 years free annual service / maintenance of vehicle, including free of cost change of Oils and Filters.</li> <li>➤ In case of shortage of equipment/ non-compliance standards, warranty will start when shortage is fulfilled / provided i.e downtime to be added in warranty / guarantee period.</li> </ul>	
<b>8. TRAINING</b>	
Free of cost training will be provided by the OEM to POF Officers/Officials during FAT at POF premises, in following areas; <ul style="list-style-type: none"> <li>➤ Operation of Fire Tenders</li> <li>➤ Electrical / Mechanical Maintenance of Fire Tenders</li> <li>➤ Mechanical Maintenance of Fire Pump</li> <li>➤ Electronic Maintenance of Fire Equipment and Fire Tenders</li> </ul>	
<b>9. DOCUMENTS REQUIRED</b>	

List of imported items along with their complete technical data for each vehicle;

a. 03x copies of each of the following in hard form: (English Language)

- Drawing of Electric Work / wiring of super structure and vehicle.
- Drawing of Pneumatic and hydraulic systems of super structure and chassis.
- Operating manuals.
- Line diagram of fire pump assembly.
- Spare parts catalogue of chassis.
- Spare parts catalogue for Substructure.
- Workshop manual for Chassis.
- List of authorized workshops in Rawalpindi / Islamabad

b. Certificate of conformance to NFPA / EN Standard for Fire System, installed on Fire Tender shall be provided.

#### **10. INSPECTION**

100% physical inspection/ Functional check of complete vehicle will be carried out at firm's premises by 04x POF officers / officials at the following stages during manufacturing of the fire tenders:

- After the import of chassis, fire pump and accessories, all related documents regarding import of chassis, and accessories of fire tender shall be provided at the stage of inspection.
- At the completions of 50% fabrication work of super structure.
- Pre- delivery inspection after completion of all work.
- Final inspection will be carried out in POF Wah after the receipt of fire tender.
- All the expenses of the inspection teams including boarding lodging will be provided by the Contracting Firm.

#### **11. FINAL ACCEPTANCE TEST**

Final acceptance test (FAT) will be carried out at POF premises for 10 working days after receiving / commissioning of complete store. During FAT, all appliances & equipment installed in fire tenders will be tested at extreme parameters. Warranty / Guarantee will start after satisfactory FAT report.

#### **12. BACKUP SERVICES**

OEM of chassis & superstructure must have backup services in Pakistan preferably in Rawalpindi / Islamabad Region.

#### **13. PAYMENT**

- b. Firm will offer on FOR basis.
- c. 100% Payment will be made by the CMA (POF) through crossed cheques on receipt /acceptance, installation / commissioning and successful FAT, of stores on our prescribed bill form supported by receipt voucher.
- d. Payment of duties / Taxes including professional tax (where applicable) must be supported by proof of having paid these to concerned Govt. Taxation Deptt.

#### **14. SECURITY OF INFORMATION**

The tenderer and his employees must not communicate any information relating to the sale /purchase of stores under this enquiry to any person other than the manufacturer or to any agent not authorized in writing by POF to receive it.