



**Government of Pakistan
PAKISTAN ORDNANCE FACTORIES
TENDER ENQUIRY**

Dear Sir,

Reference: Tender Enquiry [466-LP-Capt-DS-Elect](#) dated: [09-08-2018](#)

POF (Services Group) intends to procure **"03 X 500KVA Diesel Generators."**

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 instruction for filling the tender.

1. **SUBMISSION OF TECHNICAL OFFER**

1.1 Tender will be opened at **1230** hours on [10-09-2018](#) and must reach this office before **1200** hours upto due date. The tender received late will not be entertained. You may witness the opening of the tender if you so desire. If representative is deputed, he should bring 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. [466-LP-Capt-DS-Elect](#)

Offer to be opened on [10-08-2018](#)

Address as follows: **Director Services, POF Wah Cantt**

1.3 If envelope do not indicate reference of T.E or received late the same may be returned un-opened.

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.

2.2 For plant and Machinery, You are required to quote in two parts:-
"Technical Offer". It should exclusively give technical details and literatures/brochures of the offered plant, machinery and 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, mode 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 Wahcantt. In this case Octori duty will be payable by the supplier.
- 2.8 Taxes and duties etc. where applicable, must be shown separately, quoting references to Registration No. in cases of Sales Tax and relevant authority, in case of others. Offers 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 If the requisite information is not furnished on the T.E forms or offer received is not in conformity with the requirement of T.E such offer shall be ignored.
- 2.12 Supplier will render necessary information regarding hazardous effects on environment of the materials/products supplied by them, in their quotations and shipping / dispatch documents.
- 2.13 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 equipments, 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 off Rs. 500 in favor of **Director Services, 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 there pf against previous T.E.

5. **BID MONEY**

5.1 Bid Money at the rate of 2% (for registered firms) and 5% (for unregistered firms) of the quoted value should accompany the tender in the shape of Deposit At Call Receipt/ pay order/ Banker's Cheque, from a scheduled Bank drawn in favor of **DIRECTOR SERVICES, POF WAH CANTT.**

Tenders received without Bid Money will be rejected.

5.2 Bid Money of the unsuccessful tenders will be returned as soon as the scrutiny of the tenders is completed. Bid Money of the successful tenders will be retained until the contract is finalized. Bid Money will be forfeited in case the quotation is withdrawn before the expiry of its validity date.

5.3 State owned organizations are not required to provide Bid Money.

6. **ACCEPTANCE OF OFFERS**

6.1 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 of all bids or proposal, but is not required justify those grounds.

6.2 Procuring agency shall incur no liability, solely by virtue of its invoking sub-rule (1.1) towards suppliers or contractors who have submitted or proposals.

6.3 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 be 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 month 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 **CMA - 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 upto 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**

- a Payment will normally be made by means of irrevocable letter of credit. Scheduled of payment is as under:
- i) 80% payment after shipment of store.
 - ii) 20% Payment will be released after FAT at POF Wah Cantt.
- b 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, alongwith 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 liable to be removed from the approved list.

- Note:-**
- i) Offer must be according to clause 2.2 (Technical & Commercial separately)
 - ii) Validity of offer must be counted from the date of commercial opening.

Yours faithfully,

Director Services

Tele (051) 9055(21090/21099)

Fax (051) 9271400 & 9314100

PAKISTAN ORDNANCE FACTORIES

Schedule to Tender Enquiry NO. [466-LP-Capt-DS-Elect](#), dated [09-08-2018](#).

To be opened on [10-09-2018](#).

(1) FOR MATERIALS

1	2	3	4	5		6
Item No	Description	Unit	Qty	Price per unit For free delivery at POF-Wah		Delivery date
				Price in figure	Price in words	
1)	Diesel Generator Set (Capacity:500 KVA) Along with complete accessories. (as per detail given in Annexure-A)	Nos.	03			4 of 7

2. For Plant & Machinery:

Specifications: - Attached as [Annexure-A](#).

Specifications may also be downloaded from POF Website (www.pof.gov.pk).

All firms are bounded to submit their bids as per Annexure-A.

3. Miscellaneous Requirements:

i)	Indicate the model, name of the manufacturer, country of origin and also provide authorization letter from their respective OEM along with technical brochure of the material / product in English language being offered.
ii)	Breakdown of rates be given showing price and sales tax separately. Otherwise your quoted rates will be considered inclusive of GST.
iii)	Quotation may be submitted if you are registered with sales tax department. Sales tax registration number may also be indicated in your offer.
iv)	Only registered suppliers (with sales Tax & income Tax Deptt), who are on Active Taxpayers List (ATL) of FBR are eligible to supply goods/ services.
v)	The payment to the registered firms may be linked with the active taxpayer status of the suppliers as per FBR database. If any registered supplier is not in ATL, their payment will be stopped till they file their mandatory return and appear on ATL of FBR.
vi)	Firm will provide their complete company profile along with following information in the technical part of the tender

	a)	Detail of firm's capabilities, experience & performance in relevant field as mentioned in this tender.
	b)	Complete data of the similar product supplied to any organization/industry or installed anywhere in Pakistan during last five year.
	c)	Detail of testing facilities of the product available at firm's premises.
vii)		Spare Parts and Tools: Consumable parts for 02 years (for each Generator Set) 01 x Controller Unit 01 x AVR 01 set x Diodes 01 set x Bearings Self Starting Motor.
Viii)		Documentation & Literature: The supplier will have to provide 02 set of engine catalogue & spare parts catalogue, trouble shooting guide/maintenance/service manual in English language alongwith schematic and electrical wiring diagram.
		Inspection: Preliminary Inspection at firm's premises (01 Official and 02 Technician) and final inspection (01 Official and 02 Technician) at POF Wah Cantt.
ix)		Training: 02 Weeks training at firm's premises (01 x Officer, 01 x Staff and 04 x Technicians).
x)		Turnkey solution: Complete installation with Cable trench & Cable etc should be Turnkey solution based.
xi)		Final Acceptance Test: After successful installation & commissioning of each Genset. Final acceptance test will be carried out for 08 hours continuous running.
xii)		Warranty/Guarantee:- The supplier will have to provide a warranty/guarantee for 02 year (Minimum) for free of cost replacement of all parts of the Diesel Generators of Capacity 500KVA (03Nos) including Batteries from the date of Final Acceptance Test (FAT) at POF Wah.

(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 - A, 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 _____

Signature of the Tenderer _____

Date _____

Name _____

Position _____

Address _____

Income Tax G.I.R No. _____

Official stamp.

Annexure-A
SPECIFICATIONS

1. DIESEL GENERATOR SET 500KVA (STANDBY)
COMPLETE SET FOREIGN ASSEMBLED.

Qty: 03 Nos

A Output Ratings	
i. Mechanical Efficiency	38% ~ 40%
ii. Electrical Efficiency	90% ~ 95%
B Engine Information:	
i. Engine Make/Model	
ii. Country of Origin	USA, UK, EU OR JAPAN
iii. Aspiration and Cooling	
iv. Total Displacement (Liters)	
v. Number of Cylinders and Build	
vi. Engine Speed: 1500RPM	
vii. Bore and Stroke (mm x mm)	
viii. Compression Ratio	
ix. Governor	
x. Fuel Consumption at full load (L/H)	
xi. Fuel Tank Capacity (Liters)	
xii. Oil Capacity	
xiii. Coolant Capacity (Liters)	
xiv. Radiator Cooling Air (m ³ /min)	
xv. Air Intake Engine (m ³ /min)	
xvi. Exhaust Gas Flow (m ³ /min)	
xvi. Diesel Engine Oil Heater	
C Chassis:	
i. The complete Gen Set mounted as a whole on a heavy-Duty Fabricated steel base frame.	
ii. Anti vibration pads should be fixed between the engine/alternator feet and the base frame.	
iii. Base frame design incorporates an integral fuel tank.	
iv. The Generator set could be lifted or carefully pushed/Pulled by the base frame.	
v. Dial type fuel gauge and Drain plug on the fuel tank.	
vi. Fork lift pockets within base frame.	
vii. Dimensions (LxWxH)	
D Alternator Information:	
i. Alternator Make/Model	
ii. Country of Origin	USA, UK, EU OR JAPAN
iii. Design	Brushless single bearing, Revolving field.
iv. Stator	2/3 Pitch
v. Rotor	Single Bearing Flexible Disc
vi. Insulation System.	Class H

vii	Standard Temperature rise.	
viii	Exciter Type.	Self Excited
ix	Phase Rotation.	A (U), B (V), C (W)
x.	Alternator Cooling.	Direct drive Centrifugal Blower fan.
xi	AC Waveform total Harmonics Distortion.	
xii	Telephone influence factor (TIF).	
xiii	4 Pole output Circuit Breaker.	
xiv	Anti Condensation heater.	
xv	Automatic Transfer Switch 4 Pole	
xv	Earth Fault Single Set	
E Control System:		
1. Auto Main failure control panel		
a)	Control with AMF Module	
b)	MOR (Mechanical Over Ride)	
c)	Static Battery Charger with ampere meter	
d)	Emergency Stop Push Button	
2. Generating set control module Feature		
a)	The module is used to monitor a mains supply and starts and stops a standby generating set	
b)	Micro-Processor based design	
c)	Automatic Control of mains and generator contactors	
d)	Monitors Engine Performance and AC power output	
e)	LED Alarm indication	
f)	Front panel configuration of timers and alarm trip points	
g)	Easy Push button Control	
3. Metering via LED display		
a)	Generator Volts(L-L/L-N)	
b)	Engine Oil Pressure	
c)	Generator Ampere	
d)	Engine Temperature	
e)	Generator Frequency	
f)	Plant battery Volts	
g)	Engine Hours Run	
h)	Mains Volts (Ph-Ph/Ph-N)	
i)	Generator KVA, KWh	
j)	Generator KW as % of rated KW setting	
k)	Generator Cos Φ	
4. Alarms		
a)	Over and Under speed	
b)	Low and High Battery Volt	
c)	Start and Stop failure	

d)	Charge fail
e)	Over Current
f)	Under/Over Generator Voltage
g)	Low Oil Pressure
h)	Emergency stop
i)	High engine temperature
j)	KW overload
k)	Unbalanced load
l)	Independent Earth fault trip
5.	LED Indications
a)	Main available
b)	Generator available
c)	Mains on load
d)	Generator on load
6.	Complete Digital Synchronizing System to Run Gen Sets Parallel with each other.
F	TURN KEY SOLUTION:
i.	Installation and Commissioning of Generators
ii.	Laying of 240 mm ² x 4-core Power Cable 600 meter for 03 x Gen sets and Control Cables (Cables should be according to BSS6346)
iii.	Erection Material
iv.	Complete Electrical Grounding system for Generators including construction of Earth pits.
v.	Site visit for the Firm is necessary.
G	SPARE PARTS:
i.	Consumable parts for 02 years (for each Generator Set)
ii.	01 x Controller Unit
iii.	01 x AVR
iv.	01 set x Diodes
v.	01 set x Bearings
vi.	Self Starting Motor.
H	TOOLS:
i.	Complete Tool Kit for each Diesel Gen Set including tools for major overhauling.
I	LITERATURE IN ENGLISH LANGUAGE: (for each Generator set.)
i	02 set of electrical wiring diagram
ii	02 set of engine catalogue / trouble shooting guide / maintenance manual in English language
iii	02 set of spare parts catalogue
J	WARRANTY:
i	Two years warranty for free of cost replacement of all parts of the GENERATOR including Batteries.
K	Inspection:
i	Preliminary inspection (PI) at firm's premises. (02 x Officers and 02 x Technicians)
ii	Final inspection at POF Wah.

L	Training:
i	02 Weeks training at firm's premises (01 x Officer, 01 x Staff and 04 x Technicians).
M	FAT: (Final Acceptance Test)
i	96 hours continues running.
N	Payment:
i	80% Payment after shipment of store and 20% after FAT.

EVALUATION CRITERIA:

The bids which agree to all the General & Special Conditions of the Tender Enquiry will be evaluated strictly according to the bid evaluation criteria as given in the Tender Enquiry.