

Dear Sir,

INVITATION OF BIDS FOR NEW DIESEL GENERATORS

We have pleasure to submit your bids for the Procurement of New Diesel Generators as detailed in tender form. Sealed bids must be received by this office no later than by 10:00 Hours on 05.Mar.2025.

Submission Instructions:

Sealed Envelope

Addressed to:

Head Purchases,

Pakistan Machine Tool Factory,

PMTF Road, Off National Highway,

Landhi, Karachi 75030, Pakistan

Description : Submit Tender for New Diesel Generators

Due date & time : 05.Mar.2025 at 10:00 hrs.

The bids shall be governed by the terms and conditions attached at Annex-1. This will constitute an integral part of the Inviting Tender Notice. Bidders shall be deemed to have carefully read these terms and conditions and have accepted the same.

Procurement Department
Pakistan Machine Tool Factory (Pvt) Ltd

ANNEXURE-I

a) SCOPE OF SUMMARY

Description	Cost (Excluding Taxes)
Power Output KVA / KW 1. 625 KVA, 500 KW Qty: 03	
Add: 18% Taxes	
Grand Total	

Terms & Conditions

a) Payment Term:

- (i) 90% Payment after GRN.
- (ii) 10% After 60 days.

b) Liquidate Damages: In case of unable to complete of order within order schedule, LD @ 0.10% per day will be charged till completion of Order.

c) Performance Bond: In case of non-performance of product/services after installation/commissioning PMTF has a right to retain balance 10% till the successful completion of order.

d) Bid Money: A 2% bid money is required against the bid. The unsuccessful bidder may collect their bid money within 10 days after the opening of the bid. If the successful bidder is unable to accept the service order, PMTF reserves the right to retain the bid money of the successful bidder.

e) Warranty: Minimum 1 year required +2 years care pack.

f) PMTF reserve the right to accept or reject any or all bids without assigning any reason thereof.

g) All Govt. Taxes, duties and other levies including SST/GST shall be inclusive in the bid price

b) EVALUATION CRETERIA

Authorized Distributor of Required Brand	10	
Relevant Work Experience	10	
Technical Evaluation	10	
Payment Term As per Contract	10	
Warranty	10	
Active Tax Payer (SST/GST)	10	
Earnest Money/ Bid Money	10	
Financial Evaluation	30	
Total Score	100	

Product Specification as under:

Power Output KVA / KW	625 KVA, 500 KW,
Quantity	03
Engine Type	Diesel Generator
Manufacture	Cummins, Perkins, Caterpillar, John Deere, Ralco & Volvo
Fuel Consm.	As per standard
Voltage Range	230 V / 440 V
Frequency	50 Hz
Phase	Three
Cooling System	Force Air Cool
Nose Level	As per Standard brand
Dimension & Weight	As per standard brand
Fuel Tank Capacity	As per standard brand
Control Panel Features	Digital Control Panel, Start Stop Features, Over load Protections, Remote Monitoring
Warranty & Services	Minimum One Year +2 years care pack
Application	Industries

Queries Raised by Vendors/Suppliers

Vendor Query	PMTF Requirement
Are locally assembled Gensets acceptable?	Both Local and Imported options required.
What is the required bid validity period?	Atleast 60 days
What is the expected delivery timeline?	Within 90 days
Is synchronization required between all Gensets?	Synchronization is mandatory for the two gensets serving the RD and HT Departments.
What is the scope of installation work? (e.g., foundation pad, synchronization panel, cables, earthing, etc.)	<p>:The scope of installation work for gensets typically includes:</p> <p>(a) . Foundation work: Preparation of the foundation pad, including civil works and concrete foundation.</p> <p>(b) . Genset installation: Physically placing the genset on the foundation pad and securing it.</p> <p>(c) . Electrical connections: - Synchronization panel installation (Two gensets RD & HT Department Synchronization required) Power cables also includes gensets to emergency/Synchronization panels. - Cable laying and termination (power cables, control cables, etc.) - Earthing system installation (including earth pits, earth mats, etc.)</p> <p>(d) . Control and monitoring systems: Installation of control panels, monitoring systems, and associated cabling.</p> <p>(e) . Fuel system installation (applicable): Fuel tank installation, fuel piping, and fuel system connections.</p> <p>(vi) . Exhaust system installation (applicable): Exhaust piping, silencers, and exhaust system connections.</p> <p>(f) . Testing and commissioning: at Ensuring the genset is properly installed, tested, and ready for operation.</p>
Please confirm if the given ratings are Prime or Standby	The given ratings for the gensets are confirmed as Standby ratings. This means the gensets are designed to provide backup power during emergencies or outages, and their standby rating is the maximum power they can deliver for a short period in the event of a utility power failure.
Required DG sets are Open type or with Canopy	The required DG sets are with Canopy (enclosed type), which provides protection from the elements and reduces noise levels.
Please confirm if CKD unit is acceptable or CBU unit is required.	Both options required to be quoted.

BOQ

Shop 1 = 1x 500kW/625kVA Standby DG Set (G1)

S.No	Items	Unit	Qty
1	500kW/625kVA Standby DG Set (Without Synchronizing Module) With Separate fuel tank with fuel piping is included (1500 Ltr) (Brands Cummins, Caterpillar, Ralco, Perkins, Volvo & John Deere)	No.	1
2	Sound & Weather Proof Canopy IP23 protected weather proof and sound proof canopy will be supplied which will give a sound level of 85dBA	No.	1
3	Foundation Pad (As per the dimensions) of DG Set	Job.	1
4	A kWhr meters will be installed inside canopy	Job.	1
5	A static battery backup with charger is also included	Job.	1
6	Bore Type Earthing	Job.	1
7	Power Cable (300mmsq x 4Core x 2) (Pakistan Cable / Fast Cable)	Meter	20
8	Earthing Cable (95mmsq Score) (Pakistan Cable / Fast Cable)	Meter	15
9	Floor standing Manual Changeover panel with 1x1000 amps 3pole MCCB with interlocking	No.	1
10	Control Cable 2.5mmsq 4Core (Pakistan Cable / Fast Cable)	Meter	15
11	PVC Conduit, Flexible pipes, tray etc. for cables	Meter	15
12	Electrical Inspector NOC	Job.	1
13	Installation & commissioning	Job.	1
14	Annual Maintenance Contract for One years (6 visits in Year ,in case emergency services will be provided)	Job.	1

Shop 2 = 2x 500kW/625kVA Standby DG Set (G2 & G3)

S.No	Items	Unit	Qty
1	500kW/625kVA Standby DG Set (With Synchronizing Module) With Separate fuel tank with fuel piping is included (1500 Ltr each) (Brands Cummins, Caterpillar, Ralco, Perkins, Volvo & John Deere)	No.	2
2	Sound & Weather Proof Canopy IP23 protected weather proof and sound proof canopy will be supplied which will give a sound level of 85dBA	No.	2
3	Foundation Pad (As per the dimensions) of DG Set	Job.	2
4	A kWhr meters will be installed inside canopy	Job.	2
5	A static battery backup with charger is also included	Job.	2
6	Bore Type Earthing	Job.	2
7	Power Cable (300mmsq x 4Core x 2) (Pakistan Cable / Fast Cable)	Meter	220
8	Earthing Cable (95mmsq 1 core) (Pakistan Cable / Fast Cable)	Meter	50
9	Floor standing Manual Changeover panel with 1x1000 amps 3pole MCCB with interlocking	No.	2
10	Control Cable 2.5mmsq 8Core (Pakistan Cable / Fast Cable)	Meter	180
11	PVC Conduit, Flexible pipes, tray etc. for cables	Meter	180
12	Electrical Inspector NOC	Job.	2
13	Installation & commissioning	Job.	2
14	Annual Maintenance Contract for One years (6 visits in Year ,in case emergency services also included)	Job.	2

Note: Above mentioned quantities are $\pm 20\%$, all cables length will be charged as per actual