

HIRING OF SERVICES FOR GENERAL OVERHAULING & COMMISSIONING OF 722KVA GENERATOR SET (MAKE CUMMINS SERIAL NO. KT-38) AT MOTOR TRANSPORT PIAC KARACHI AIRPORT

- Seal un-conditional tenders are invited from all B class Enlisted Electrical Contractors and from well reputed Contractors/Vendors or Genuine Partners / Authorized Service Partners of known Assembler registered with Pakistan Engineering Council in minimum **C-6 CATEGORY. (Valid PEC Registration)**
- Interested firms are required to submit, duly completed proposals along with required documents.
- The detailed Terms of References (TOR), Scope of Work, Specifications and list of equipments and documents would be the integral part of bids. Complete set of TOR may be downloaded from PIA / PPRA website www.piac.com.pk, www.ppra.org.pk
- The bidding will be conducted on single stage single envelop basis. Pay Order equal to 02% of bid money must be attached with financial proposal of the bid.
- The bids along with supporting documents including pay order of **Rs. 5000/= (Non-Refundable)** in the name of Pakistan International Airline must be dropped in tender box placed in Works Account section, PIA Head Office Karachi Airport, Karachi latest by **26th December, 2019** at **15:00 Hrs**. Bids will be opened on the same day at **15:30 Hrs** in the presence of bidder or their representatives who wish to attend the proceedings at GM Facilities Management office.
- If any query related to this notice, please feel free to contact email: khiwepk@piac.aero

GM WORKS & PROJECT
FLIGHT OPERATION BUILDING
1ST FLOOR PIA HEADOFFICE
TEL#99044640

Document Checklist

Sr. No	Document	Yes	No
1	Sealed Envelop of Bid		
2	Registration with Pakistan Engineering Council		
3	Name & year of establishment of firm with copy of memorandum and article of association/partnership deed, registered address and Fax / telephone numbers / Email.		
4	Details of General Overhauling done for similar capacity Generator Sets to reputable firms in the last 10 years, with completion certificate from owner, indicating completion cost.		
5	Financial status with Bank Certificate.		
6	Latest bank statement with 03 years history.		
7	Valid NTN Certificate		
8	Valid STRN Certificate		
9	Details of Technical/Skilled Labor		
10	Details of Machinery/Tools		
11	Details of workshop		
12	Details of dispute / arbitration / litigation, if any		

DATA SHEET

1.	The name of the Assignment is: Hiring Of Services for General Overhauling & Commissioning Of 722KVA Generator Set at Motor Transport PIAC Karachi Airport.
2.	The name of the Client is: Pakistan International Airlines Corporation (PIA)
3.	The description and the objectives of the assignment are: Overhauling, Commissioning and Testing of 722 KVA Generator Set at MT PIAC Karachi Airport. Full & Final Rates should be quoted after visit /thorough inspection of the Generator and bid should be valid for 180 days after tender opening. Refer to terms & conditions. Overhauling should be complete in all respect top to bottom, electrical, mechanical& radiator.
4.	Pre-Bidding meeting/visit: All parties are advised to MUST visit the equipment before submission of the bids.
5.	The name(s) and address(es) of the Client's Official(s) is (are): MANAGER UTILITIES Facilities Management Division Flight Operation Building Pakistan International Airline Karachi Airport, Karachi Tel# 99044267 Email : khiwepk@piac.aero
6.	The address for seeking clarification and for writing on the proposal is MANAGER UTILITIES Facilities Management Division Flight Operation Building Pakistan International Airline Karachi Airport, Karachi Tel# 99044267 Email : khiwepk@piac.aero
7.	Date and time of bidding submission is 26th December, 2019 @ 15:00 Hours
8.	Date and time of opening of bidding is 26th December, 2019 @ 1530 Hours
9.	Validity period of the proposal is: 180 Days
10.	The location for submission of bidding is: Tender Box Placed In Room no. 270-271 Accounts Works Head office Pakistan International Airline Karachi Airport, Karachi Ph: 021-99044517 021-99044190
11.	Method of Evaluation Lowest quoted will be awarded the JOB.
12.	Assignment Completion Period a. GENERAL OVERHAULING 01 MONTHS b. TESTING/COMMISSIONING 15 DAYS

Scope Of Work

Overhauling / Testing and Commissioning of 722 KVA Genset at Motor Transport.

722 KVA GENERATOR SPECIFICATIONS

Generator	KTA-38
Rated output (Prime)	1000 AMPERE
Phase	THREE PHASE
Engine	CUMMINS
Starting System	MANUAL SELF START
Engine Speed	1500
Frequency	50HZ
No. of Cylinder / Alignment	12
Cycles	50
Bore/ Stroke	4 STROKE
Induction	STAR
Cooling Method	RADIATOR
Governing Type	MECHANICAL TYPE
Compression Ratio	
Displacement	
Alternator	DOWSON KEITH
No. of Bearings	
Insulation	
Winding Pitch	
Ingress Protection Rating	
Excitation System	
43. Control Panel	MANUAL OPERATED
47. Annunciator	
48. c/w Siten	
Canopy	NO
Last known problem as per log book due to which the equipment went out of order.	WATER IS MIXED IN OIL CHAMBER

BILL OF QUANTITIES
DIESEL GENERATING SET OF 722 KVA

S.NO	PARTICULARS	QTY	RATE	AMOUNT
1.	Replacement of Engine Gasket upper	01		
2.	Replacement of valve In	24		
3.	Replacement of valve Ex	24		
4.	Replacement of Insert Valve In	24		
5.	Replacement of Insert Valve Ex	24		
6.	Replacement of Guide valve	48		
7.	Replacement of Kit Liner	12		
8.	Replacement of Ring Set	12		
9.	Replacement of Rod Bearing STD	24		
10.	Replacement of Set main Bearing STD	01		
11.	Replacement of Came Bushing	26		
12.	Replacement of Rod Bushing	12		
13.	Replacement of Kit R.P water pump	01		
14.	Replacement of Kit Turbo	02		
15.	Replacement of Kit Oil Pump	01		
16.	Replacement of Cup Injectors	12		
17.	Replacement of Kit R.P Fuel Pump	01		
18.	Replacement of Set Lower Engine Gasket	01		
19.	Replacement of After cooler gasket	02		
20.	Replacement of Water Body	01		
21.	Replacement of Barrel Plunger	12		
22.	Replacement of all filters (14 Nos.)	01 Job		
23.	Replacement of Lubricant oil	150Ltrs		
24.	Machine work	01 Job		
25.	Servicing, Grinding, Polishing for Block, Crank Shaft & other related accessories complete job in all respect	01 Job		
26.	Replacement of After cooler	01		
27.	Dismantling, Re-fixing, Testing Commissioning of complete engine	01 Job		
28.	Replacement of Radiator with Top & Bottom complete work	01 Job		
29.	Replacement of All Safety Indicators of equipment with Internal Control Wiring, Complete job in all respect	01 Job		
30.	Coloring of Generating Set Complete job in all respect	01 Job		
31.	Shifting of Generating Set in vicinity of PIA Head Office Premises with all its accessories	01 Job		

Note: Any other part or work is the responsibility of the contractor /vendor. Generator repair work should be complete in all respect (complete equipment including electrical, mechanical and water side) with testing and commissioning on load.

TERMS & CONDITIONS:

a) Gen-set will be made available for testing & commissioning with all pre-requisites such as:

- i) Battery Charging
- ii) Coolant with 20%Antifreeze
- iii) Mobil oil(Full)

b) After completion of job testing & Commissioning of Gen-set as per manufacturer's instruction on available actual load such as:

- i). Voltage

- ii). Current
 - iii). Frequency
 - iv). Oil Pressure
 - v). Engine Water Temperature
 - vi). Safeties
 - vii). Fault Simulation
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- d) Transportation, loading & unloading of Gen-sets if required and allied accessories at sites is the responsibility of the contractor.
 - c) Total price should include all costs of labor, providing & fixing charges, transportation and all applicable taxes.
 - d) Warranty period to be provided for 01 year of parts and uninterrupted running hours.
 - e) If during warranty period the gen set become un-operational the contractor will provide a rental gen set of equivalent capacity on their own risk & cost within 36 hours.
 - f) During warranty period all sorts of parts and servicing will be the responsibility of the contractor.
 - g) Only genuine parts of authorized dealers will be replaced with the defective parts.
 - h) All the defective parts will be handed over to PIA Officials on the same day and to be further submitted in Supply chain, RV shall be attached with bill.
 - i) In case of non-functioning of the generator set a penalty of PKR 5000 per day will be imposed on the contractor and will be deducted from any payable amount of the contractor.(During the warranty period)
 - j) 10 % security will be deducted from the bill and will be with held for a time of 01 year.
 - k) No advance payments will be made.