

SAY NO TO CORRUPTION

OFFICE OF THE MEDICAL SUPERINTENDENT, CMC HOSPITAL, LARKANA.

No: CMCHL. / Accounts/ 2952

Dated: 26-05-2017.

**PURCHASE OF MACHINERY EQUIPMENT (GENERATOR 350-400KVA)
FOR CARDIAC UNIT CMC HOSPITAL LARKANA.**


TENDER NOTICE

Sealed Bids are invited for Purchase of Machinery / Equipment / Plants (*Heavy Duty Generator 350-400KVA for Cardiac Unit of CMC Hospital Larkana*) during the financial year 2016-17 as per procedure laid down under Rule- 46 (2) of Sindh Public Procurement Rules 2010. A complete Set of bid documents can be purchased from the Office of the Medical Superintendent, Chandka Medical College Hospital Larkana and the Office of the Additional Secretary, Health Department, Government of Sindh, Procurement and Monitoring & Inspection Cell, Block No: 24, Karachi on submission of written application against the cash payment of non-refundable Fee Rs. 2,000/- for each Tender from the date of publication of advertisement in the News Papers up to 14-06-2017. The bids must be delivered on opening date 14-06-2017 up to 01.011 p.m, which will be opened publicly in the presence of bidders or their authorized representatives who choose to attend at 2.00 p.m. all bids must be accompanied by a bid security @ 2.5% of the total cost in shape of Pay Orders / Bank Drafts / Call Deposit in favour of Medical Superintendent. CMCHL, whereby the Bank Guarantee will not be accepted.

The purchasers reserve the right to accept / reject any / all bids under the relevant provisions of SPPRA Rule 2010.

N.B:

- The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the Financial proposals and the Technical proposal.
- The envelope shall be marked as "FINANCIAL PROPOSAL and TECHNICAL PROPOSAL" in Bold and Readable letter to avoid any confusion.
- The Bids must be in Pak Rupees.
- In case Government announces any Public Holiday then Tender will be opened on next working day.
- All quotations shall include Government Taxes.


Medical Superintendent
Chandka Medical College Hospital,
Larkana

SAY NO TO CORRUPTION

OFFICE OF THE MEDICAL SUPERINTENDENT, CMC HOSPITAL, LARKANA.

NO: CMCHL. Accounts / (P&D)/ 2800/02

Dated: 24-5-2017.

To

The Secretary
Health Department
Government of Sindh
Karachi.

5268
25/5/17

Subject; **REQUEST FOR CONSTITUTION OF PROCUREMENT COMMITTEE AND REDRESS COMMITTEE AT CMC HOSPITAL LARKANA FOR THE FINANCIAL YEAR 2016-17.**

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I have the honor to state that the funds Rs. 11.170 Million are released by the Health Department Government of Sindh, vide letter No. SO(B)1-46/2015-16 dated 15-05-2017 to purchase of Generator for Cardiac Unit CMC hospital Larkana, therefore procurement Committee / Complaint, Redress Committee, CMC Hospital Larkana consisting upon following officers are proposed to be constituted for the financial year 2016-17.

Procurement Committee, CMC Hospital Larkana.

- | | |
|---|-----------|
| 1. The Medical Superintendent, CMCHL, | Chairman. |
| 2. The Addl. Medical Superintendent, CMCHL, Teaching Block. | Member |
| 3. The Representative of the Commissioner, Larkana. | Member |
| 4. The Representative of Dist. Accounts Officer, Larkana. | Member |

Redress Committee, CMC Hospital Larkana.

- | | |
|--|-----------|
| 1. The Addl. Secretary Health Deptt. GOS, Karachi | Chairman. |
| 2. The District Health Officer, Larkana. | Member |
| 3. The Representative of the Deputy Commissioner, Larkana. | Member |

It is therefore, requested that procurement Committee / Complaint, Redress Committee, CMC Hospital Larkana consisting upon above officers may be constituted and necessary notification may be issued, so as Diesel Generator for Cardiac Unit of CMC Hospital Larkana could be purchased timely.

[Signature]
Medical Superintendent
Chandka Medical College Hospital,
Larkana

Copy F.W.Cs. for information to:

- The Commissioner, Larkana Division, Larkana.
- The Deputy Commissioner, Larkana.


[Signature]
Medical Superintendent
Chandka Medical College Hospital,
Larkana

CHANDKA MEDICAL COLLEGE HOSPITAL LARKANA

Annexure-B

ANNUAL PROCUREMENT PLAN (NON-DEVELOPMENT) FOR THE FINANCIAL YEAR 2016-17

S.#	Fund Head & Sub Head	Name of work and break up.	Allocated Funds and break up for different locations / sites	Items to be executed	Method of Procurement	Anticipated / Actual Date of Advertisement	Anticipated / Actual Date of Start	Anticipated / Actual Date of Completion.	Remarks
a	b	c	d	e	f	g	h	i	j
1	LN0133-Chandka Medical College Hospital Larkana-A09- Total physical Assests A09601 Purchase of Plant and Machinery.	350 KVA Generator for Cardiac Unit, CMC Hospital Larkana	Rs. 11,170,000	350 KVA Generator	Single Stage two envelope	May 2017.	June 2017.	June 2017.	


Medical Superintendent
Chandka Medical College Hospital
Larkana

CHANDKA MEDICAL COLLEGE HOSPITAL
LARKANA

HEALTH DEPARTMENT, GOVERNMENT
OF SINDH

Tender Document

of

*Supply, Installation, Testing, Commissioning
& maintenance (During maintenance period)
Diesel Generator 350-400 KVA for Cardiac
Unit, CMC Hospital Larkana during the year of
2016-17.*

Medical Superintendent
Chandka Medical College Hospital
Admn. Block (City Block), Larkana
Tel. # 074/9410718
Fax # 074/9410708

CHANDKA MEDICAL COLLEGE HOSPITAL LARKANA FOR CARDIAC UNIT.
TECHNICAL BID PROPOSAL SUPPLY, OF DIESEL GENERATOR 350-400 KVA
FOR THE YEAR OF 2016-17.

NIT No. _____ dated _____ 2017

SCHEDULE OF REQUIREMENT & PRICE

PRICE RS: 2,000/= (NOT REFUNDABLE OR TRANSFERABLE)
TENDER ENQUIRY DUE ON ----- 14-06-2017
TIME OF RECEIPT OF TENDER ----- 1 30 PM
TIME OF OPENING OF TENDER----- 02:00 PM

INSTRUCTIONS TO BIDDERS

1. The Contract resulting from this invitation shall be governed by the Sindh Public Procurement Rules 2010
2. Chandka Medical College Hospital, Larkana invites sealed bids on single stage two envelopes system as per Sindh Public Procurement Rules 2010 from Manufacturers/Importers/Sole Agents/Contractors for *Supply & Installation, of Diesel Generator 350-400 KVA for Cardiac Unit CMC Hospital Larkana.*
3. Bidders are required to check that Tender Documents issued to them are complete in all respects as per Summary of contents related to Instructions to Bidders, Salient Features, Evaluation Criteria, Form of Tender, Form of Agreement, Specifications (Technical), Scope of Work, Drawings etc.
4. The rates on FOR basis (Not applicable to Local Items) to be inserted in the Bill of Quantities shall be deemed to include all costs of whatsoever description and expenses necessary for free delivery to consignee End i.e Medical Superintendent, CMC Hospital Larkana, Supply & Installation, of Diesel Generator 350-400 KVA for Cardiac Unit CMC Hospital Larkana system together with all risks, taxes, liabilities and obligations, specific or implied, in the Tender Documents. Arithmetical errors, if any shall be corrected and Tender price amended accordingly
5. In case of quoting alternate price, separate tender may be purchased.
6. No authorized alteration may be made in the Tender documents. If any such alteration is made, tender may be liable for rejection.
7. Any clarification, revision, addition or deletion, in the Tender documents may be made by the Procuring Agency before the submission and opening of Tender in the form of Addendum/Corrigendum. This will be made only by formal Addendum/ Corrigendum issued by the Procuring Agency and will become part of the Contract documents. Each Addendum shall be signed by the Tenderer and returned with other Tender documents.

8. The entire Tender Documents, listed duly priced, signed & stamped on each page and completed must reach at designated place in due time and dates as defined in the salient features of the Tender.
9. The Contractors whose Tender is accepted, by the Procurement Committee, will be required to enter into a Contract agreement as defined in the Form of Agreement.
10. All manufactured and other items should be used in the work in accordance with the instructions, specifications in the Tender Document and also in accordance with generally accepted norms of good workmanship.
11. The Tender documents referred to above constitute a part of this Tender and comprise of the following documents:
 - a) Instructions to bidders.
 - b) Salient Features / Terms & Condition of the Tender Questionnaire / Proforma –
 - c) Evaluation Criteria.
 - d) Form of Agreement.
 - e) Form of Bid.
 - f) Scope of work / Bill of Quantities / Specification (Technical).
 - g) The Addendum (if any)
 - h) The Drawings (if any).
12. The Contractors are required to submit the site Organization chart, methodology & work schedule along with Tender documents.

SALIENT FEATURES / TERMS & CONDITION OF THE TENDER

1.	Name of Work & Address	<i>Supply & Installation, of Diesel Generator 350-400 KVA for Cardiac Unit CMC Hospital Larkana.</i>
2	Time & Date of issue of Tenders	From the date of publishing to one day before opening of Technical Proposal, during office hours.
3	Place of Issuance of Tender	1. Office of the Medical Superintendent, Chandka Medical College Hospital, Admn. Block (City Block), Larkana Tel. # 074/9410718 Fax # 074/9410708 2. The Additional Secretary (Procurement)PM&I Cell Health Department Government of Sindh 3 rd Floor Tugluq House Sindh Secretariat Karachi Fax No.021-99212097
4	Date of pre-bid meeting	In case requested by bidders or informed by Procuring Agency.
5	Method of opening of Tender	It will be Single Stage Two Envelope system as per SPPRA Rules 2010.
6	Date & Time of Submission of Tenders	As published in newspapers
7	Date & Time of Opening of Tenders / Technical Proposals	As published in newspapers
8	Date of Opening of Financial Proposals	As informed by the Chairman of Procurement Committee to all participants
9	Venue of submission & opening of Tenders	Committee Room Office of the Medical Superintendent, Chandka Medical College Hospital, Admn. Block (City Block), Larkana Tel. # 074/9410718 Fax # 074/9410708
10.	Validity of bid	The cost quoted shall be valid for period of 45 days from date of opening of bids
11.	Amount of Earnest Money/Bid Security	2.5% of the Contract value in shape of pay-order / Call Deposit from schedule Bank to be submitted along with Financial Proposal.
12.	Supply of Equipment	Within two months after the awarding of contract. However, this period is extendable as per mutual agreement/demand of the situation.
13.	Installation Period	It will start after two months of receiving of equipment at site.
14	Maintenance Period	It will start after the satisfactory installation of the equipment and issuance of Installation Certificate from the concerned official. This period will remain functional till two year with replacement of parts.
15	Warranty Period with replacement of Parts and services	The warranty period of parts with Free of cost replacement will be for one year. Free service from the date of Installation.
16	(a) Contract Agreement	The Contractor shall enter & execute a formal Agreement as per the "Form" annexed with such modification as may be necessary, by the Procuring Agency
	(b) Stamp Paper requirement for Agreement.	0.25% of the Contract Value or as prescribed by Government Laws.

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	(b) Stamp Paper requirement for Agreement.	0.25% of the Contract Value or as prescribed by Government Laws.

17	Opening of L.C (Letter of Credit)	In case items are imported and supply order is placed on CIF / FOR basis, L.C. (Letter of Credit) will be opened
18	Release of Earnest Money/Bid Security of 2.5%	To un-successful bidders, after work is awarded to successful bidders Earnest Money will be released after purchase order is issued but after that 5% Security Deposit is deposited as per item – 19.
19	Security Deposit	2.5% Security Deposit in the shape of pay order will be submitted by Contractor with Procuring Agency which will be released as per item 20. Bank Guarantee of equal amount will also be acceptable.
20	Release of Security Deposit of 2.5%	After completion of maintenance or Defect Liability period of two years as under:- • After satisfactory completion of maintenance period of Six Months – 2.5% • After satisfactory completion of maintenance period of two years – 2.5%
21	Variation in Contract Price.	No any variance in price shall be allowed on any ground including currency fluctuation / variation or whatsoever.
22	Discrepancy	If there is any discrepancy between salient features of Tender / Bidding Document and respective content mentioned elsewhere, Salient Feature / Terms & Condition of tender will govern.
23	Taxes.	All taxes will be deducted as per prevalent laws of country.
24	Approved makes	As mentioned in items individually
25	Special note regarding Machinery & Equipments	Technical Offers / Commercial Offers failing to demonstrate below details would be rejected: a) Quoted system must be of advance & latest version b) Quotation must cover complete equipment c) Quotation must provide all Technical details up to the satisfaction of the End Users
26	Training	Supplier will provide free on-site successful training to all the personnel working on / operating the said Equipment / machine as long as the need prevail.
27	Maintenance.	Maintenance cost for all Equipments for Two years from date of successful Installation shall be undertaken by the Contractor (Maintenance includes all Parts & Labour, etc. with sufficient staff, during maintenance period).
28	Default in Preventive Maintenance, Breakdown and Emergency Calls	In case of default by the Contractor with respect to maintenance, break down and emergency calls, the same will be carried out within 24 hours by Department and the cost so incurred will be paid from the Retention Money. Moreover an additional 10% of the amount spent would be charged from the concerned contractor being defaulter.
29	Cost to be quoted in BOQ.	The Contractors shall quote FOR price of the Equipments including custom clearance etc. and delivering of Equipment at site with Installation. It should also include cost during maintenance, Commissioning cost period including the parts and maintenance staff.
30	Tax Exemption.	In case of purchase on FOR basis, the required certificate will be issued by this office that the import has been made for this hospital, so as to avail the facility of exemption of duties/taxes, as per Government Rules/Policy according to the SPPRA Rules 2010.

GENERAL CONDITIONS

Note: No tender will be accepted after closing of the Tender box, whatsoever reason may be.

1. The Contractor is responsible to repair all the damages, done to the building while Installing Medical Machinery / Equipments at no extra-cost. So the Contractor should take into account all such expenditures while quoting the bid.
2. Store is required immediately. The tender may, however give their short guaranteed delivery period by which the supply will be completed positively.
3. In **Technical Bid**, the bidder must provide original data sheet, technical brochure, all other relevant documents, alongwith copy of Pay Order / Bank Draft without showing the amount figure otherwise, the bid will be ignored/rejected. The Technical Evaluation will be done on the basis of criteria given in tender document.
4. In **Financial Bid**, the vendor should mention Financial Offer along with Pay Order / Bank Draft 2.5% value of quoted items in favor of Medical Superintendent CMC Hospital Larkana.
5. In case of purchase on FOR Basis, the Letter of Credit (L.C) will be opened.
6. In case of supply order the bidder should be supplied the quoted item within time as specified in Tender Document i.e. two months. This period is extendable as per mutual agreement/demand of situation.
7. The disclosure of firm's price at the time of opening of Technical Bid will result in the rejection of the bid.
8. No tender will be entertained without earnest money. The earnest money will be forfeited to Government Treasury, in case of non-submission of security money within seven (7) days of receipt of the offer letter.
9. **Only Manufacturer and / or Sole Agent / Authorized Dealer (if importer) can quote items.**
10. First scrutiny of **Technical Bids** will be performed by the Procurement Committee CMC Hospital, Larkana. The Financial Bids of only those firms will be opened who are qualified technically.
11. Certificate from the Sole Agent / Manufacturer has fully equipped Workshop Trained Personnel / Engineers and Equipment should be provided with Technical Bid and it can be physically verified by the Administration of CMC Hospital Larkana.
12. The warranty period will commence from the date of installation of the Equipment at the Department /Ward Concerned CMC Hospital, Larkana.
13. Firm must provide complete details of their financial standing, listing of similar items supplied in Pakistan, bio-data of engineers with training certificates / test, details of local stock of spare parts for similar Store and details of office with number of personals.
14. The vendor has to quote only one rate for each item as per tender specifications. Hand written tenders or any over writing, cutting, should be signed.
15. **Vendors should quote the items they intend to supply.**
16. The bidder shall submit with the bid, an **UNDERTAKING** on Non-Judicial stamp paper of Rs. 50/- duly attested by Oath Commissioner, stating that the medical equipment will be supplied brand new, free from defects as per the approved sample and will bind himself for availability of spares parts for a period of 10 years from the date of supply. In case of winding up of his business, the supplier shall be bound to make an alternate arrangement of spare parts and maintenance of medical equipment. In case of default, depreciated cost of medical equipment will be recoverable from vendor.

17. If it has been found that the information submitted by the bidder regarding his qualification and professional, technical, financial, legal or managerial competence as supplier / contractor is / was false and materially inaccurate or incomplete at any stage, then the bidder will be disqualified.
18. Suppliers / Contractors will be responsible for supply at consignee end, free of cost and also responsible for free installation work, if required.
19. Equipments will be handed over to the Medical Superintendent / Store officer of CMC Hospital Larkana.
20. Price escalation will not be allowed.
21. If vendor doesn't supply medical equipment in accordance with the supply order or fails to supply according to terms and conditions or in case of any other default, the Performance Security and Security Deposit would be forfeited and further action as per SPPRA Rules 2010 would be taken against such vendor.
22. If the supplier fails to give supply and install within the stipulated period, Liquidated charges will be imposed.
23. The decision once taken will be final and will not be challenged in any Court of Law.
24. A copy of Income Tax and GST Registration Certificate should be attached alongwith **Technical Bid**.
25. Conditional Tender(s) against the Government rules and non-compliance of instructions mentioned in Tender Form will not be entertained.
26. The vendor should submit a Data Sheet according to the Tender Specifications Format mentioned in the tender and highlight the tender specifications in their Technical Data Sheet. Additional Features can be mentioned separately.
27. In case the information supplied by bidder in Questionnaire / Proforma is incomplete or incorrect, the Tender will be liable for rejection.
28. The Medical Superintendent – CMC Hospital Larkana / Procurement Committee reserves the right to reject or accept any / all tender(s) as per SPPRA Rules 2010.
29. The offer will remain valid as per SPPRA Rules 2010.
30. **Criteria for Evaluation of Bid.**
 - a. Specifications compliance.
 - b. Quoted Price.
 - c. Quality of Items.
 - d. After sale service facility.
 - e. Authority letter from Manufacturer / Sole agent of current year 2016-17.
 - f. Earnest Money 2.5%.
 - g. Guaranty of availability of parts of the supply articles for 10 years.
 - h. Delivery Schedule.
 - i. Compliance of Terms & Conditions and Additional Terms & Condition of the Bid Form.
 - j. Operational Cost

I / We agreed above mentioned terms & conditions:

Name of Contractor _____ Signature _____

(CNIC NO _____ (Copy must be attached).)

Full Address _____

Stamp _____

FORM OF AGREEMENT

1. THIS AGREEMENT made this _____ day of _____ Between Messrs. Medical Superintendent, Chandka Medical College Hospital, Larkana being hereinafter called the "OWNER" which expression shall, wherever the context so permits, mean and include its successors in interest, executors, administrators, liquidators, nominees and assignees of the ONE PART, and Messrs. _____ hereinafter called the "CONTRACTOR", which expression shall, wherever the context so permits, mean and include its heirs, successors in interest, executors, administrators, liquidators, nominees and assignees of the OTHER PART.

WHEREAS:

12. The Owner has invited tenders from various contractors for *Supply & Installation, of Diesel Generator 350-400 KVA for Cardiac Unit CMC Hospital Larkana.*
- a. in accordance with the requirements, and instructions prepared by the owner, and contained in the Tender Documents issued by the Owners.
 - b. In response to the invitation of the Owner, the Contractors have tendered their quotations and rates and have offered to carryout the supply, completion and maintenance of the aforesaid project and facilities in accordance with the requirements, conditions of contract, documents, standard quality, plans, and instructions of the Owner.
 - c. The Owner is willing and agreeable to accept the aforesaid quotation, rates and offer of the Contractor on the various terms and conditions specified herein and in the documents listed in Clause-1, below.

NOW THEREFORE, THIS AGREEMENT WITNESSETH and in consideration of the mutual covenant and condition set forth herein, the parties hereto, do hereby agree, undertake and declare as under:-

1. The Following documents, hereinafter called "Contract Documents" shall be deemed to form, read and construed as an integral part of this Agreement:-
 - a. Tender documents including Addendum.
 - b. Contractor's bid letter No. _____ dated _____.
 - c. Relevant Correspondence.
 - d. Letter of Award No. _____ dated _____.

Tender S. No.	Description of Items	Rate on FOR Basis	Quantity Ordered	Total value in figures
1.				

2. Notwithstanding anything contained to the contrary or in conflict with the provisions of this agreement in any of the documents mentioned in Clause – 1, above, the provisions of this agreement shall prevail and the documents mentioned above shall be deemed to have been amended to the extent of inconsistency found therein, by the provisions of this Agreement, In case of inconsistency between any of the documents eferred to herein, the later documents shall prevail and the tender documents shall be construed to have been amended to that extent.

3. In consideration of the Contractors supply, completing and maintaining the work, as described heretofore, in conformity in all respects with provisions of this contract to the entire satisfaction of the owner, and the Contractor acting, abiding and performing his duties and obligations strictly in accordance with the terms and conditions herein and documents of the contract mentioned hereinabove, the Owner shall pay to the Contractor amount as per contract documents listed above.
4. This contract shall not be transferable or assignable in whole or part of any of the parties hereto, provided that the Owner may assign his rights and obligations in whole or in part to any other Company which shall be entirely owned Company belonging to the same Group of the Companies as the Owner, In such an event such other Company shall be entitled to act as Owner under this contract.

IN WITNESS WHEREOF the parties hereto, acting through their respective representative, have caused this agreement to be signed, sealed and delivered in their respective names on the day and the year first mentioned hereinabove.

SIGNED, SEALED AND DELIVERED
 In the name and for and on
 Behalf of the Owner / MEDICAL
 SUPERINTENDENT, CMC HOSPITAL,
 LARKANA

NAME: _____

DESIGNATION: _____

WITNESS:

1. NAME: _____

ADDRESS: _____

2. NAME: _____

ADDRESS: _____

SIGNED, SEALED AND DELIVERED
 In the name and for and on
 Behalf of the CONTRACTOR

NAME: _____

DESIGNATION: _____

WITNESS:

1. NAME: _____

ADDRESS: _____

2. NAME: _____

ADDRESS: _____

FORM OF BID

The Medical Superintendent,
Chandka Medical College Hospital,
Larkana

1. Sub: *Supply & Installation, of Diesel Generator 350-400 KVA for Cardiac Unit CMC Hospital Larkana.*

Dear Sir,

1. Having examined the Tender Documents and the site conditions for the above mentioned Project, we, the undersigned offer to Supply, Installation, Testing, Commissioning and maintenance (during maintenance period) of the whole of the said works in conformity with the said tender Documents (and Addendum if any) for the sum of under mentioned amount on basis:-

S.No	Description of Store	Price for (FOR basis)
		Bid Price (In Figures)
		Bid Price (In Words)

2. The above total sum is based on the quantities shown in the Bill of Quantities and other works as mentioned in Salient Features.
3. We undertake, if our tender is accepted, to sign an agreement within 15 calendar days following receipt of letter of award in the form laid out in annexure to this Tender with such alterations and additions thereto as may be required to adopt, such Agreement to circumstances of this Tender.
4. We undertake, if our Tender is accepted, to mobilize on site within 7 calendar days of receipt of the letter of award and commence the works on the first works comprised in the contract within the time of completion specified in the Salient Features.
5. We agree to abide by the Tender for a period of 90 calendar days from the date of opening of tender and shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this Tender together with your written acceptance thereof and other relevant correspondence subsequent to the Tender shall constitute a binding Contract between us.
7. We understand that you are not bound to accept the lowest or any tender you may receive, and that you will not reimburse any expenses incurred by us in preparing and submitting the Tender or otherwise in connection with the Tender.

8. As a guarantee for the performance of the undertakings and obligations of this Tender, we submit herewith Earnest Money/Bid Security equivalent to 2.5% of the quoted cost in _____ an amount _____ Rs. _____ (Rupees _____) in form of Pay Order issued by the Bank vide No. _____ dated _____ made in your favor and made payable to you without any reference to us and valid for 90 calendar days from the date of submission of Tender.
9. The Tender Documents referred to above constitute a part of this Tender and comprise of the documents listed hereunder:
- Instructions to bidders.
 - Salient Features / Terms & Condition of the Tender. Questionnaire / Proforma
 - Evaluation Criteria
 - Form of Agreement.
 - Scope of work / Bill of Quantities / Specification (Technical).
 - The Addendum (if any).
 - The Drawings (if any).

Dated this _____ day of _____
20_____

Signature _____ in the capacity of _____ duly
authorized to sign bids for and on behalf of _____

(Name of Bidder in Block Capitals)
(Seal)

Address

Witness:

(Signature) _____

(Name) _____

Address: _____

Occupation _____

CHANDKA MEDICAL COLLEGE HOSPITAL LARKANA

Technical Bid

Supply & Installation, of Diesel Generator 350-400 KVA for Cardiac Unit CMC Hospital Larkana.

S#	Name of Item & Description of Store	Qty								
01	<p><u>Diesel Generator: 350-400 KVA</u> (UK, USA, JAPAN, EURO)</p> <p>1500 RPM Generator Low diesel consumption and oil usage Tropicalized for continuous operation up to 52 Deg. C 10 – 12 hr fuel tank capacity</p> <p><u>Engine:</u> Highly durable, 1500 RPM Mechanically actuated / electronically controlled fuel injection for excellent fuel atomization and consistent high performance. Constant electronic engine management and monitoring enable precise fuel metering and injection timing.</p> <p><u>Alternator:</u> Brushless, self-excited, self-regulating, class H, Conforms to BS 5000, BS EN 60034 and ISO 60034 standards</p> <p><u>Control Panel:</u> State of the art digital control module All standard protections available including high coolant temperature, low oil pressure, under / over voltage / frequency All standard digital readouts available including voltage, current, frequency, RPM, coolant temperature battery voltage. Tamper proof hour counter.</p> <p><u>Acoustic Enclosure:</u> Specially fabricated for reliable performance over an extended service life using stainless steel locks, die cast hinges and galvanized bolts. Powder coated to RAL 9010 with special zinc based undercoat for weather protection. Lined with high density, open cell, fire proof acoustic foam for sound attenuation down to 85 db @ 1m</p> <p><u>Generator Specification:</u></p> <table border="0"> <tr> <td>Prime power (Kva / Kw)</td> <td>350-400 / 280-320</td> </tr> <tr> <td>Standby Power (Kva / Kw)</td> <td>400 / 440</td> </tr> <tr> <td>Voltage (V)</td> <td>400 / 230</td> </tr> <tr> <td>Frequency (Hz)</td> <td>50</td> </tr> </table> <p>Generator power is based on power factor of 0.8 Prime Power: Variable load. Unlimited hours usage with an average load factor of 80 % of the published. Prime power rating over each 24 hour period. A 10 % overload is available for 1 hour in every 12 hours of operation.</p>	Prime power (Kva / Kw)	350-400 / 280-320	Standby Power (Kva / Kw)	400 / 440	Voltage (V)	400 / 230	Frequency (Hz)	50	01 Set
Prime power (Kva / Kw)	350-400 / 280-320									
Standby Power (Kva / Kw)	400 / 440									
Voltage (V)	400 / 230									
Frequency (Hz)	50									

Emergency Standby Power: Variable load. Limited to 500 hours annual usage, up to 300 hours of which may be continuous running. No overload is permitted.

ENGINE SPECIFICATION		ALTERNATOR SPECIFICATION	
Fuel	Diesel	Power	350-400 KVA
		Insulation Class	H
Cooling system	Water	Protection grade	IP 23
Nominal Operating Speed (rpm)	1500	Voltage regulation system	Electronic, ± 1%
Displacement (L)	8.8	Pitch	Tow Third
Number of cylinders and disposition	6, inline	Number of Bearings	1
Aspiration	Turbo Charged, After Cooled	Number of Leads	12
Power (Continuous) (bhp)	409	Overload Long Term	110%, 1 hr in 12
Power (Intermittent) (bhp)	469	Overload 20 seconds	> 300 %
Fuel consumption at 75 % PRP (L/H)	54	No. of phases	3
Fuel consumption at 100% PRP (L/h)	71	No. of poles	4
Governor type	Electronic	CONTROL SYSTEM	
Compression ratio	16.3:1	Engine protections	Oil pressure, Coolant temperature
Bore & Stroke (mm)	130 x 157	Generator Protections	Over/Under voltage, Over Current Over/Under Frequency, charging alternator fault
Electrical system (V)	24	Inputs & Outputs	3 No's of configurable analog input 4 No's binary outputs 4 No's of binary inputs D + Pre-Excitation terminal
Lubrication capacity (L)	40	Event & performance log	Gen-set text alarm log Engine hours history log For more features we can use Higher Controller
	51.4		
Coolant capacity (L)	835		
Fuel tank capacity (L)			

SOUND PROOF CANOPY FOR HOSPITAL PURPOSE.

Acoustic level down to 75-85 dB at 1 m"

- Modular design with interchangeable parts
- Imported fire proof acoustic foam rated Class 0 as per BS 476 Part 5, 6, & 7 ad meeting ASTM D-2863 Directive 95/28.EC (Limited Oxygen index 45%)
- Imported accessories including di cast hinges and stainless steel locks for durable performance. Specially designed for long term performance under extreme weather conditions.
 - Specially designed for trouble free performance at 52 deg C ambient temperature.
 - Heavy gauge hot rolled imported sheet metal for added durability
 - Polyester based powder paint to RAL 7035 with special zinc based undercoat for protection against extreme weather conditions.
 - Roof mounted lifting facility and forklift pockets under base for ease of handling.
 - Standard Perspex control panel viewing window.
 - Standard cable access window.
 - Modular design with interchangeable components.
 - Heavy duly residential reactive / hospital dissipative type exhaust silencers.
 - Galvanized Class 8.8 bolts for high strength and corrosion resistance
 - Including changeover switch 600 amp & power cable 150 Sqmm 1 core (8 lengths PVC/ PVC 30 meters)

Signature

Contractor Name

Seal / Stamp

CHANDKA MEDICAL COLLEGE HOSPITAL LARKANA

Financial Bid

Bill of Quantity

*Supply & Installation, of Diesel Generator 350-400 KVA for Cardiac
Unit CMC Hospital Larkana.*

S#	Name of Item & Description of Store	Qty	Unit Rate								
01	<p><u>Diesel Generator: 350-400 KVA (UK, USA, JAPAN, EURO)</u> 1500 RPM Generator Low diesel consumption and oil usage Tropicalized for continuous operation up to 52 Deg. C 10 – 12 hr fuel tank capacity <u>Engine:</u> Highly durable, 1500 RPM Mechanically actuated / electronically controlled fuel injection for excellent fuel atomization and consistent high performance. Constant electronic engine management and monitoring enable precise fuel metering and injection timing. <u>Alternator:</u> Brushless, self-excited, self-regulating, class H, Conforms to BS 5000, BS EN 60034 and ISO 60034 standards <u>Control Panel:</u> State of the art digital control module All standard protections available including high coolant temperature, low oil pressure, under / over voltage / frequency All standard digital readouts available including voltage, current, frequency, RPM, coolant temperature battery voltage. Tamper proof hour counter. <u>Acoustic Enclosure:</u> Specially fabricated for reliable performance over an extended service life using stainless steel locks, die cast hinges and galvanized bolts. Powder coated to RAL 9010 with special zinc based undercoat for weather protection. Lined with high density, open cell, fire proof acoustic foam for sound attenuation down to 85 db @ 1m</p> <p><u>Generator Specification:</u></p> <table><tr><td>Prime power (Kva / Kw)</td><td>350-400 / 280-320</td></tr><tr><td>Standby Power (Kva / Kw)</td><td>400 / 320-440</td></tr><tr><td>Voltage (V)</td><td>400 / 230</td></tr><tr><td>Frequency (Hz)</td><td>50</td></tr></table>	Prime power (Kva / Kw)	350-400 / 280-320	Standby Power (Kva / Kw)	400 / 320-440	Voltage (V)	400 / 230	Frequency (Hz)	50	01 Set	
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Standby Power (Kva / Kw)	400 / 320-440										
Voltage (V)	400 / 230										
Frequency (Hz)	50										

Generator power is based on power factor of 0.8

Prime Power: Variable load. Unlimited hours usage with an average load factor of 80 % of the published.

Prime power rating over each 24 hour period. A 10 % overload is available for 1 hour in every 12 hours of operation.

Emergency Standby Power: Variable load. Limited to 500 hours annual usage, up to 300 hours of which may be continuous running. No overload is permitted.

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