



**PEOPLE'S UNIVERSITY OF MEDICAL & HEALTH SCIENCES FOR WOMEN
SHAHEED BENAZIRABAD**

**TENDER DOCUMENTS FOR:
“SUPPLY & INSTALLATION OF 100 KVA DIESEL
GENERATOR SET FOR HOSTELS
AT NEW CAMPUS”**



APRIL-2021

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Tender Reference No. PUMHSW/P.D/2021/5954, Dated: 26-04-2021 for the work, SUPPLY & INSTALLATION OF 100 kVA DIESEL GENERATOR SET FOR HOSTELS AT NEW CAMPUS.

Sealed tenders are invited on the prescribed form from the contractors / firms / parties dealing with supplying, installation, testing & commissioning and putting into operation and demonstration of **SUPPLY & INSTALLATION OF 100 kVA DIESEL GENERATOR SET FOR HOSTELS AT NEW CAMPUS**, which meets the following terms and conditions.

The tender documents including instructions to the Tenderers, terms & conditions and schedule of requirements can be had from the office of the Project Director “Engineering Wing”, Peoples University of Medical & Health Sciences for Women, Nawabshah District Shaheed Benazirabad, on any working day during office hours from **27-04-2021 to 11-05-2021** in shape of demand draft/ pay order of Rs. 5,000.00 in favour of Vice Chancellor PUMHSW, Shaheed Benazirabad or the bidder shall pay the Tender Fee (Non-Refundable) as mentioned above in the in University’s HBL Bank Account, Titles “PUMHSW Other Receipts”, Account # 1439-79013279-01.

TERMS & CONDITIONS:

1. The firms Registered in General Sales Tax and Income tax are eligible to obtain Tender Document, and the Photostat copies of Income Tax and GST, Registration certificate must be attached.
2. All currency in the proposal shall be quoted in Pakistan Rupees (PKR).
3. Cumulative Experience of the Bidder in executing contracts of **SUPPLY & INSTALLATION OF 100 kVA DIESEL GENERATOR SET FOR HOSTELS AT NEW CAMPUS** should be at least 50% of the tender value.
4. Value of a “Single Order” of **SUPPLY & INSTALLATION OF 100 kVA DIESEL GENERATOR SET FOR HOSTELS AT NEW CAMPUS** executed by the Bidder (A copy of the order indicating its value and certificate indicating its successful execution).
5. Bidder must have local presence including Pre-Sales, Sales & Support Staff; the equipment should be supplied through verifiable distribution channel in Pakistan.
6. All equipment for the project will be delivered new, in packed condition directly to the **PUMHSW, SHAHEED BENAZIRABAD**, if equipment delivered is not conforming to the specifications and bill of quantity, the equipment will not be accepted. The equipment will be installed only after inspection.
7. Bidder must be in similar business for at least last THREE (3) years.
8. The Bidder must have professional / Technical Human resources of the Proposed solution, to carry out the project professionally (Bidders are requested to attach the list of their professionals along with their Professional certifications).
9. Principal must have local warehouses Local hardware/parts center, mentioning valid address in Pakistan for sparing, (To support the Hardware Replacement timely)
10. Any query regarding the technical specifications / requirements in RFP may be made before the tender submission, through email To: pd@pumhs.edu.pk

11. Incomplete and ambiguous (not describing the required specifications clearly and completely) solutions may / may not be considered for the bidding process.
12. Data Sheet for all the quoted equipments must be attached.
13. The rates in the quotation should be valid for at least 90 days
14. Bid Security or Earnest 5%.
15. No increase in the value of items will be accepted on account of either unit price, total price, any or all other charges, duties, taxes, scope of supply.
16. University reserves the rights to allocate the Tender on Trunkway basis or Section wise.

The bids should be submitted under “Single Stage Two Envelops Procedure” as under:

- Bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the: (i) Technical Proposal (ii) Financial Proposal
- Envelopes shall be marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion;
- Initially, only the envelope marked “TECHNICAL PROPOSAL” shall be opened;
- Envelope marked as “FINANCIAL PROPOSAL” shall be retained in the custody of the procuring agency without being opened;
- Include the BOQ list at the end of document with both (i) Technical Proposal (WITHOUT Price/Cost) (ii) Financial Proposal (WITH Price/Cost)
- Procuring agency shall evaluate the technical proposal in a manner prescribed in tender documents, without reference to the price and reject any proposal which does not conform to the specified requirements.
- Financial proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
- Financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders; and
- Bid found to be the lowest evaluated or best evaluated bid shall be accepted.
- Delivery is to be made within the prescribed period from the date of receipt of Purchase/Work Order.
- The tenders reached after the due date or sent to the wrong address shall not be accepted.
- The quotations not matching with the required specifications and /or not fulfilling the terms and conditions mentioned herein shall not be entertained.
- The University reserves the right to accept or reject any or all of the Tenders without assigning any reason.
- The University also reserves the right to increase or decrease the quantity of the items/ material demanded.
- Any condition not mentioned here or left out will be settled according to the discretion of the University.

- Procuring agency shall verify previous working, experience and financial statements made by the bidder.
- No amendments shall be permitted during the evaluation process;
- Quality and Cost Based Selection (QCBS) bid shall be accepted as per SPP Rules.
- Integrity Pact as per SPP Rule 89.

Note:

- Vendor / Participants / Bidder must attach the proof of their partnership/ registration with the tender.
- Evidence should be provided wherever applicable.

The tender duly completed in duplicate and addressed to the Project Director “Engineering Wing” Peoples University of Medical & Health Sciences for Women Nawabshah at District Shaheed Benazirabad, Sindh, must reach him, or be dropped in the tender box placed in his office by **11:00 noon** on **12-05-2021**. The tenders will be opened on the same date at **11:45 hrs** in the presence of those Tenderers who so wish to be present.

“The Procuring Agency may reject any or all bids subject to relevant provisions of SPP Rules, 2010 and may cancel the bidding process at any time prior to the acceptance of a bid or proposal under Rule – 25 of SPPRA, Govt. of Sindh”.

**Sd/-
Project Director PUMHSW**

ARTICLES OF AGREEMENT

This Agreement made this _____ day of _____ 20 , by and between the Project Director, PUMHSW, SHAHEED BENAZIRABAD, including his successors in office and Assignees / Agents, acting through the Project Director “Engineering Wing”, Peoples University of Medical & Health Sciences for Women Nawabshah (S.B.A), hereinafter called the “**University**”, of the one part.

And _____ of _____
(name and designation of the authorized person), located at _____, hereinafter called the “**Contractor**” which expression shall include their successors, legal representatives of the second part.

Whereas the **University** requires active and passive network equipment for **SUPPLY & INSTALLATION OF 100 kVA DIESEL GENERATOR SET FOR HOSTELS AT NEW CAMPUS**, and whereas the **Contractor** has agreed to supply, install, put into operation and demonstrate the working of the said System valued at Rs. _____ (in figures and words) in the period of _____ months, subject to the terms and conditions set forth, hereinafter, which have been accepted by the **Contractor**.

(amount in figures and words)

Now this Agreement witnesses as follows:

1. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the **Conditions of Contract** hereinafter referred to.
2. The following documents which, for the purpose of identification, have been signed by _____ on behalf of the **Contractor**, and by _____
(name and designation of the authorized person) _____ on behalf of the **University**, all of _____
(name and designation of the authorized person) which shall be deemed to form and be read and construed as a part of this **Agreement** viz.:
 - a) Articles of Agreement;
 - b) Instructions to Tenderers;
 - c) Conditions of Contract;
 - d) Contractor’s Offer including the relevant correspondence prior to signing of this Agreement with all Annexures duly filled in;
 - e) The specifications of the equipment; and
 - f) Bill of Quantity with prices.

3. In consideration of the payment to be made to the Contractor, the **Contractor** hereby **covenants** with the University to supply, deliver, install, put into operation and demonstrate the working of the project in conformity in all respects of the Contract & the order form No. _____.
4. The **University** hereby **covenants to pay** the Contractor in consideration of the supply, delivery, installation, putting into operation and demonstration of the working of the project the contract price in the manner prescribed by the Contract and approved by the University.

In Witness Whereof the parties have hereunto set their respective hands and seals, the day, month and year first above written.

WITNESSES:

University_____

Contractor_____

Witness No.1:

Witness No.1:

Signature:_____

Signature:_____

Name: _____

Name: _____

Designation: _____

Designation: _____

INSTRUCTIONS TO TENDERERS

The Peoples University of Medical & Health Sciences for Women, Shaheed Benazirabad, intends to **SUPPLY & INSTALLATION OF 100 kVA DIESEL GENERATOR SET FOR HOSTELS AT NEW CAMPUS.** The purchase will be financed through the cash from own sources. This tender is issued for the supply, installation, putting into operation and demonstration of the working of the Surveillance Cam System as per the Schedule of requirements given in this Tender Document.

PREPARATION OF TENDER.

1. Language of Tender

The **Tender** alongwith any accompanying literature shall be prepared in **English** language only:

2. Submission of Tender

- a) The **Tender** shall be enclosed in a double cover. The outer cover shall bear the address of the **Project Director “Engineering Wing”**, Peoples University of Medical and Health Sciences for Women, Shaheed Benazirabad, Sindh, without any indication that it encloses a tender. The inner cover shall be marked with the title of the Tender, number of invitation to the Tender and the date of opening of the Tender, and **must be sealed**.
- b) The **Form for Tender**, (Annexure-A) **Tender Particulars (Annexure-B)** and **Forms of Schedule to Tender** (Annexure “C1”&”C2”) enclosed herewith, shall be submitted in duplicate. The authorized person signing the tender documents must state his full name and authorized position designation underneath his signature.
- c) The **erasing and/or alterations**, if any, in the Tender shall be authenticated by the authorized person by his full signature.
- d) The **Tender** shall be accompanied with the **original quotations** from the manufacturers (for imported stores), in case the Tender is submitted through their authorized agents or distributors, and shall be supported by credentials establishing the experience and standing of the manufacturers and / or their authorized agents or distributors.
- e) **Ambiguous and incorrect answers** and/or incorrect filling of Tender Documents will render the tender liable to rejection.
- f) **Quotations** through cable, telegraph, telex, fax, or e-mail will not be considered.

- g) The tenders shall not rely on any **interpretation or correction** given by any person except the written **addenda and/or corrigenda** to documents issued by the Project Director “Engineering Wing” PUMHSW, Shaheed Benazirabad, Sindh.

3. **Bid Bond and Contract Performance Bond**

- a) The tenderer shall enclose with his/her tender a **Bid Bond** on requisite stamp paper, as per **Annexure “D”** to this Tender Document, issued by a scheduled/commercial bank doing business in Pakistan, for an amount equivalent to **2% of the total cost** of the tender amount offered as per the Tender submitted by him/her. The Bid Bond shall be in favour of the Vice Chancellor, PUMHSW, Shaheed Benazirabad, including his successor in office and assignees acting through the Project Director “Engineering Wing” PUMHSW, Shaheed Benazirabad. The bond so furnished shall remain **valid for a period 28 days beyond the period of validity of the Tender** or till it is revalidated/extended for a period mutually agreed upon by the tenderer and the Project Director “Engineering Wing”, Peoples University of Medical and Health Sciences, for Women Shaheed Benazirabad Sindh.
- b) As soon as an award is made, the provisions in paragraphs **c), d) and e)**, hereunder, shall **operate**.
- c) If the Tender is **rejected**, the Bid Bond will be returned to the tenderer as soon as possible after rejection.
- d) The **successful bidder** shall have to give a **Contract Performance Bond**, as per **Annexure “E”** to this Tender Document, to the extent of **2% of the total value** of the contract on the same conditions as the Bid Bond. The Performance Bond shall be retained by the Project Director “Engineering Wing”, Peoples University of Medical and Health Sciences, for Women, till the completion of the guarantee period as per Clause 23 of the Conditions of Contract.

4. **Quality of Stores.**

- a) The other relevant materials (hereinafter called “**Stores**”) quoted supplied, installed and commissioned against this “Invitation to Tender” shall be strictly in accordance with the **Specifications** attached with this Tender Document. The Stores shall be the product of an established manufacturer and shall conform to internationally acceptable commercial standards, and shall be a system that has been successfully operated over a reasonable period of time in educational institute.
- b) In Tenderers must also warrant the use of best material in the making of the stores. If the Specifications for any items of the Stores are lacking in details, they may give their own proposals with detailed specifications, preferably three alternate proposals if possible, for such items in Annexure “F”.

- c) The Stores offered by the tenders must be of a quality suitable for the purposes and operations for which they are required, and must be capable of rendering the required performance and services at site in the local conditions of extreme tropical climate, air, dust, water, power and fuel at Shaheed Benazirabad.
- d) The space for operation of the Stores will be made available by the University.
- e) The electric supply for operation of the Stores will be made available at 220 volt single phase, or 380 volt three phase, and 50 cycles.
- f) The Stores offered shall be complete with their standard accessories and must be accompanied by their normal instructions book/manual.
- g) Wherever possible or feasible, each item of Stores offered must have its own protection devices, e.g, overload protection by circuit breakers or fuses, or voltage stabilizer for electric equipment.
- h) Unless stipulated otherwise in the specifications for any item, the Stores conforming to IEC, IEEE, TUV ASA, SAE, will be acceptable.
- i) The successful bidders may be asked to supply list of spares for 5 years satisfactory operation of any item of the Stores, prior to award of the contract.

5. **Literature.**

The tenderers must furnish with their bids catalogues giving full technical details of the Stores to enable the University to check their offers technically against the prescribed specifications failing which the offers will be liable to rejection. The literature MUST be in original: photocopies will not be accepted.

6. **Principals Name, Certificate and Invoice.**

- a) The tenderers are required to mention in their quotations/offers the name and address of their Principals along with a certificate authorizing them (tenderers) to quote on their (Principals) behalf as under:
 “This is to certify that M/S. _____ located at _____ have obtained quotations from us against tender inquiry No. _____ dated _____ from PUMHSW, at Shaheed Benazirabad, due for opening on _____ and have agreed to make available the Equipment on the quotations and terms and conditions of the tender”.

The above condition does not apply to the manufacturers bidding directly.

- b) The tenderers must also furnish along with their offers their Principals original Proforma Invoice failing which their offers will be rejected.

7. **Country of Origin.**

The tenderers must state in his Tender the country of origin of the Stores offered.

8. **Alternative Proposal.**

If any tenderer elects to submit alternative proposal(s) complete information on the alternative items including all data relating to technical specifications in Vol. I, II&III shall be given as per Annexure “F”.

9. **Prices.**

- a) **CATEGORY-‘A’** **Stores Manufactured/Available in Pakistan without. Involving Import.**

The prices quoted must be total per unit in Pakistani Rupees as shown in **Annexure “C-1”** and shall include:

- i. All charges for packing, marking, handling, insurance, inspection, guarantees, freight/transportation, agent’s commission; and all duties, taxes, levies, octrois etc; and.
- ii. The cost of installation, putting into operation and demonstration of the working of the Project in the premises of the University.

- b) **CATEGORY-“B”**. **Stores Imported from approved Countries.**

The prices must be quoted for each item of Stores in **Annexure-“C2”** separately for each of the PARTS given below:

PART-1. Payment in Foreign currency.

The C&F prices quoted by the Principals in the currency of the country of origin.

For the purpose of comparison, the prices quoted shall be converted to equivalent prices in Pakistani Rupees on the basis of the official bank rate prevalent on the date of opening of the Tender.

PART-2 Payment in Pakistani Rupees.

- (i) The agent’s/supplier’s commission in Pakistani Rupees.
- (ii) The insurance charges. The insurance will be arranged by the Contractor through the University with EFU General Insurance Company. The University will assist the Contractor in obtaining the insurance at concessional rates, if any, as allowed by the Government.
- (iii) The cost of installation, putting into operation and demonstration of the working of the work at PUMHSW Shaheed Benazirabad in Pakistani Rupees.
- (iv) All the charges pertaining to handling and clearance of the Stores at the port including all taxes, levies, octrois etc. but excluding the customs duties for the payment of which the University is exempted by the Government. However, if the customs duties are charged for any items of the Stores for which the Government has the exemption, the University will make the payment.

- (v) The transportation charges for transporting the Stores from the port to the premises of the University including the charges for loading the Stores at the port and unloading the same at the University.

For the purpose of evaluation/comparison of bids, as stated in Clause-15, the total price for the Stores under this Category shall be the sum of the amounts mentioned for Parts 1 & 2 above.

- (c) In addition to what is stated in para a) & b) above, the prices given in Annexure C1 & C2 shall also include the following for the Stores of both the Categories-A & B.
 - (i) Supply, detailing, manufacture, factory testing, export preparation and all costs incidental to shipping/transport up to the stage of installation in the premises of the University.
 - (ii) Responsibility for any loss and/or damage at any stage from manufacture to installation in the premises of the University.
 - (iii) Provision for clean on boards bills of landing.
 - (iv) The cost of export taxes, fees and charges levied and out going incurred on exporting goods in the country of origin.
 - (v) The expenses on account of the certificate of origin, invoices or any other documents issued in the country or origin.

10. Validity of Prices/Tender

- a) The prices quoted shall be valid for a period of at least 120 days from the date of opening of the tender.
- b) Until the final Contract is executed, the successful bidder shall be bound by the terms and conditions of this Tender Document.

11. Acceptance of the Terms

- a) The submission of the tender against this tender inquiry by the tenderer means that the tenderer has read and accepted the terms and conditions relating to all the tender documents and annexures, and that he/she has thoroughly examined the specifications and particulars in the tender inquiry. Further the tender shall be deemed to be fully aware of the nature of the Stores and the purpose for which they are required and shall be bound to accept the Contract if placed with him/her on the basis of the prices and of the delivery schedule as indicated in Clause 12 hereof within the validity of his/her Tender.

- b) If the Tender is awarded in favour of Proprietor/Principals who has no authorized agent or distributor in Pakistan, he/she shall have to appoint a distributor or nominee for the purpose of successful completion of the contract and to provide after-sales service.

12. Delivery Period.

i. Shipment of Imported Items.

- a) The shipment of the items of Stores which are to be imported shall be started as early as possible, the shipment schedule shall be submitted to the Project Director “Engineering Wing”, Peoples University of Medical and Health Sciences, and shall be negotiable and subject to approval by the University.
- b) The tenderer must indicate in his/her offer the port from where the Stores will be shipped.

ii. Delivery Period.

- a) The entire Stores must be delivered, installed and put into operation at the Central Library and Online Information Centre at PUMHSW Shaheed Benazirabad as early as possible after receiving the letter of award of the Contract.
- b) The Tenderer shall give in the offer his/her own schedule for the delivery and installation of various items of the Stores which shall be negotiable and subject to approval of the University.

iii. Delay in the Delivery of the Stores.

- a) For the Stores delayed beyond the delivery period, as specified in the Contract, or as approved by the University as stated in Clause 12 ii b) above, there shall be levied liquidated damages as specified in Clause 22 of the Conditions of Contract given in this Tender Document.
- b) The liquidated damages may be waived fully or partially by the Project Director, with the approval of the Vice Chancellor of the University, if there are reasonable grounds for such a delay.

13. Negotiations.

Under no circumstances will the negotiations take place with any tenderer with regard to Specifications and Prices quoted and read out at the public opening of the tenders and with regard to the substance of the offer. The tenderers cannot revise their prices after the public opening of the tenders.

14. Rights of the University

- (a) The University reserves the right to reject any or all bids without any reason whatsoever, or not waive minor irregularities or errors in any offer. If it appears to the University that such irregularities or errors must be corrected in the offer in which they occur, the same will be corrected prior to issue of the letter of intent which may be awarded thereupon.

- (b) The University is neither bound to accept the lowest or any other offer nor is it bound to assign reason for rejection of any offer.
- c) The University reserves the right to award the contract to one bidder or divide it among several bidders.
- d) The University reserves the right to increase or decrease the quantity of the Stores at its discretion without assigning any reason whatsoever.
- e) The University reserves the right to cancel the offer of the tenderer whose bid has been found / evaluated to be the lowest if it is revealed to the University that the tenderer does not have the capability or financial resources or facilities to carry out the Contract in accordance with the terms and conditions of this Tender Document.

15. Evaluation of Bids.

- a) In comparing bids the University will consider, besides the prices quoted, such other factors as compliance with specifications, relative quality of Stores, past experience of the tenderer, after-sales services facilities available in Pakistan and the tenderer's capacity to perform.
- b) The evaluation criteria specifically mentioned in the specifications will also be considered for evaluation of the bids.
- c) For the purpose of evaluation, the prices to be compared shall be the total prices inclusive of all duties, taxes, freight charges etc. as stated in clause 9 titled "Prices" above.
 - (i) For the items quoted in Annexure-C-1, the total prices as mentioned in Clause-9(b) shall be compared.
 - (ii) For comparison of the items quoted in Annexure C-1 with those quoted in Annexure C-2, the total prices as mentioned in Clause-9(a) including the charges/cost packing, making, handling, insurance, inspection guarantees, clearance, freight/transportation upto the University's premises duties, taxes, levies, octrois etc.

16. Errors in the Bids.

- (i) Any arithmetic errors found during evaluation of bids will be rectified on the following basis:
 - a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected by the University.
 - b) If there is a discrepancy between the words and figures, the amount in figures shall prevail.

- c) If there is any discrepancy between the total tender price entered in the Articles of Agreement and the total shown in the Schedule of Prices, the amount stated in the Articles of Agreement shall be corrected by the University in accordance with the corrected schedule of Prices.
- (ii) If the tenderer does not accept the corrected amount of tender, his/her Tender will be rejected and the Bid Bond submitted with the tender shall be forfeited.

17. Foreign Exchange for Items of Stores to be imported.

For the items of Stores which are to be imported and for which the prices have been quoted on C&F basis in Annexure C-2, the University will arrange payment in the foreign currency, to the extent of the C&F amount, as stated in Clause 9(b), through its bank in Pakistan in accordance with the prevailing foreign exchange control rules/regulations of the Government of Pakistan.

Evaluation Criteria.**1. Criteria based on Marks/Score.**

Mandatory Provisions/Eligibility: Firms/Contractors must possess (i) valid registration certificate from income tax authority (NTN); ii) Valid registration with General Sales Tax Department, Sindh Revenue Board and (iii) is not black listed. (*Attach all certificates and affidavit of not black listing*).

(A) Company Profile.

- | | | |
|------------|--|-----------------|
| i. | Period since Firm/Contractor is in construction business | 10 Marks |
| | Up to 2 years | 02 Marks |
| | Up to 03 years | 05 Marks |
| | Above 03 years | 10 Marks |
| ii. | Office facilities | |
| | In Sindh province | |
| | In any other province/Islamabad | 01 Marks |
| | Outside Country | 01 Marks |

(B) General Experience Record 40 Marks

- | | | |
|-----------|--|-----------------|
| i. | Projects of similar nature and complexity | 25 Marks |
| | Completed over last 05 years | |
| | (5 Marks for each project) | |
| | <i>(Attach satisfactory completion certificates)</i> | |
| i. | Projects of similar nature and complexity in hand. | 15 Marks |
| | (5 marks for each project having cost Rs: 5.00 Million or above). | |
| | <i>(Attach copies of work orders)</i> | |

(C) Personnel Capabilities required for this project 20 Marks

Requirement of persons will vary from Project to Project.
Following factors may be used as a guideline.

Sr. No.	Description/Position with qualification & experience	Number		Remarks
	<i>Supervisor.</i>			05 Marks.
	<i>Technician.</i>			05 Mark.
	<i>Skilled Worker (Mechanic).</i>			01 Marks/person max: 05
	<i>Welder.</i>			02 Marks.
	<i>Helper.</i>			02 Marks.
	<i>Fabricator.</i>			02 Marks.

(D) Equipment Capability 15 Marks

- (a) *Critical equipment and number required for the Project shall be specified by the Procuring Agency.*
- (b) High value equipment should be an option to own, lease or hire.
- (c) Total equipment available with the applicant is to be listed along with its current mobilization on on-going projects.
(Details are to be provided in the attachment form)

(E) Financial Soundness /Status 15 Marks

For Financial Status assessment, the Applicants may be required to submit Audited Financial Statements for the last five years or any other document which verifies their Financial Status.

Where necessary, the Procuring Agency will make enquiries with the firm's/contractor's bankers.

Working Capital in hand for this project/work
(Attach proof of Bank Statement/Credit Facilities)

- i. Less than 15% of Estimated Cost of this Work 02 Marks
- ii. Less than 25% of Estimated Cost of this Work 05 Marks
- iii. Less than 40% of Estimated Cost of this Work 08 Marks
- iv. More than 40% of Estimated Cost of this Work 10 Marks

Qualifying Score is 60% but it is mandatory to obtain 40% in each section.

(2) Based on Yes/No or Pass/Fail system.

Mandatory Provisions/Eligibility: Firms/Contractors must possess (i) valid registration certificate from income tax authority (NTN); and GST (iii) in not black listed.
(Attach all certificates and affidavit of not black listing)

Required Documents: It must include following information/documents:-

(A) Firm/Contractor have been in business of construction at least for 3years.

(B) Experience and past performance.

- (i) Have completed Two (1) similar assignments having cost of each at least 75% of the project in the last five (01) years.
- (ii) Have executed at least one (1) project in similar geographical condition in last five (05) years

(Attach performance certificates of completed projects).

(C) Key Personnel Qualification & Experience.

(Requirement will vary from assignment to assignment).

- (i) **Project Engineers.** Qualification: BE (Electrical), Number: ().
Experience: () similar assignments,
() years experience.
- (ii) **Supervisor:**
Diploma in Electrical/Certificate Course in I.T, ()
Experience: () years
(Brief CVs of personnel be attached).

(D) Equipment:

- (a) *Critical equipment and number for the Project shall be specified by the Procuring Agency. N.A*
- (b) High value equipment should be an option to own, lease or hire.
- (c) Total equipment available with the applicant is to be listed along with its current mobilization on on-going projects.

(Details are to be provided in the attached form)

(E) Financial:

- (i) Documentary evidence of financial position, bank statement or audited accounts of the last Three (3) years.
- (ii) Average Annual turnover of the last three years should not less than Thrice the cost of work.

(F) Any other information:

- (i) Details of disputes/litigation or arbitration with client.
- (ii) Any other document/information desired by procuring agency.

A-III

2. General Experience Record

- (i) **Details of Contracts of Similar Nature and Complexity completed over last 05 years**

Sr. No.	1	2	3	4	5
Name of Contract:					
Country					
Name of Procuring Agency With Address, Tele, Fax					
Nature of works and special features relevant to the contract for which applied:					
Contact Role (Mention: Sole, Sub Contractor or Partner in a Joint Venture).					
Value of the total contract in Pak/Rs:					
Date of Award:					
Date of Completion					

(ii) Projects of similar nature and complexity in hand.

Firms/Contractor and each partner of the joint venture should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.

Name of Contract	Value of Contract	Name of Procuring Agency	Value of Outstanding work (Equivalent Pak Rs. Millions)	Estimated Completion Date
1.				
2.				
3.				

(iii) Projects executed in similar geographical conditions in last five (5) years.

Sr. No.	1	2	3	4	5
Name of Contract:					
Country & location					
Name of Procuring Agency With Address, Tele, Fax					
Nature of works and special features relevant to the contract for which applied:					
Contact Role (Mention: Sole, Sub Contractor or Partner in a Joint Venture).					
Value of the total contract in Pak/Rs:					
Date of Award:					
Date of Completion					

CONDITIONS OF CONTRACT

1. Scope of the Contract

- a) The **Scope of the Contract** shall be the supply, delivery, installation, putting into operation and demonstration of the working of the Stores in the premises of the University at Shaheed Benazirabad, Sindh, in accordance with the technical Specifications and Bill of Quantities enclosed in this Tender Document.
- b) The Contractor shall within a period of one month of the execution of the agreement furnish to the University a **detailed program** for supply and delivery of various items of the Stores for necessary approval by the University.

2. Definition of Terms

In writing these Conditions of Contract, Specifications and Bill of Quantities, the following words shall have the meanings hereby indicated, unless there is some thing in the subject matter or Contract inconsistent with such constructions:

- i. **The University** shall mean the Peoples University of Medical & Health Sciences for Women Nawabshah, Distt: Shaheed Benazirabad, Sindh.
- ii. **The Vice Chancellor** shall mean the Vice Chancellor of Peoples University of Medical & Health Sciences for Women, including his successor in office and assignees, empowered to act in all matters pertaining to the University either directly or through the Project Director “Engineering Wing” Peoples University of Medical & Health Sciences for Women Nawabshah.
- iii. **The Contractor or Supplier** shall mean the Tenderer (Bidder) whose Bid has been accepted by the University and shall include the Bidder’s executors, administrators, successors and permitted assignees.
- iv. **The Stores** shall mean and include the deployment of all work at PUMHSW Shaheed Benazirabad, literature, materials and articles to be provided by the Contractor under the Contract.
- v. **The Contract** shall mean the agreement signed by the Contractor for the supply, delivery, installation, putting into operation and demonstration for the working of the Stores, as stated under the Scope of the Contract above.
- vi. **The Contract Price** shall mean the sum mentioned in or calculated in accordance with the provisions of the Contract, which is to be paid to the Contractor for satisfactory execution of the Contract in accordance with these Conditions of Contract.

- vii. **The Specifications** shall mean the specifications annexed to or issued, herewith, and shall include the schedule and drawings attached hereto as well as the samples and patterns if any.
- viii. **Month** shall mean the Calendar month.
- ix. **Writing** shall include any manuscript, type-written, printed or other statement reproduced in any visible form and whether under seal or under hand.

3. **Contract Documents.**

- a) The term **Contract Document** shall mean the following documents which shall be deemed to form an integral part of the Contract:
 - i. Articles of Agreement;
 - ii. Instructions to Tenderers;
 - iii. Conditions of Contract;
 - iv. Contractor's Proposal / Offer including the relevant correspondences prior to signing of the agreement with all Annexures duly filled in;
 - v. The Specifications of the Stores; and
 - vi. Bill of Quantities with prices.
- b) In the event of any **conflict** between the above mentioned documents, the present Articles of Agreement and Conditions of Contract shall prevail.

4. **Signing of the Contract Agreement**

Within 30 days of the issue of the letter of intent, the successful bidder (bidders) will be required to **sign an agreement** with the University for the supply of such quantity, in whole or in part, of the tendered Stores as will be communicated to him / her (them) in the letter of intent.

5. **Packing, Marking and Handling**

- a) All the Stores, whether imported or locally manufactured / available, shall be delivered to the University at Shaheed Benazirabad in **safe and secure condition** at the risk and cost of the Contractor.
- b) The packing, marking and handling shall be so arranged by the Contractor as to **prevent any loss of or damage** to the Stores.

- c) In case any of the items of the Stores are to be imported by the Contractor, the **import** shall be **arranged by the Contractor** himself / herself with such packing and marking and through such means as deemed fit by him / her for safe and secure delivery at Shaheed Benazirabad. The packing of the equipment shall be the usual export packing to ensure safe journey by air, sea, rail and road, as the case may be, of the Stores to destination. Each packing shall be clearly marked in English with the following:

- i. Port of Destination: KARACHI.
- ii. Name of the Ship: _____
- iii. Name of the Consignee: Project Director (Engineering Wing),
Peoples University of Medical and Health
Sciences, for Women Shaheed Benazirabad
- i. Name of the Contractor: CONTRACTOR'S NAME & ADDRESS
- ii. Case Number & Contents: _____
- iii. Net Weight & Dimensions: (length, Breadth & Height)
- iv. Gross Weight: (Kg.)
- v. Number & Date of Contract: _____
- vi. Marking: **PUMHSW** in a 6 in. x 4 in. rectangle

PUMHSW

6. Transportation and Shipment

a. For Stores to be Imported

- i. All those items of Stores which are to be imported by the Contractor shall be **shipped** by whatever means the Contractor deems fit **at his / her risk and cost**. The Contractor must keep the University informed of the shipping arrangements, schedule of shipping, arrival at the port, clearance from the port, and transportation from the port to the University at Shaheed Benazirabad.
- ii. **All costs** of loading of the Stores from the wharves at port of shipment and also the cost of ship wharf age / berthing, demurrage charges, stevedoring, handling charges and other port and river dues in respect of shipment companies' vessels at the port of shipment and all other expenditure up to the stage of placing the Stores at rest on board the ship and the freight charges shall be **borne by the Contractor**.
- iii. Similarly all costs of unloading the Stores at the wharves, wharf age / berthing, demurrage, stevedoring, handling charges and other port dues at the port of arrival in Pakistan and transportation from the port up to the stage of placing the Stores position in the premises of the University shall be borne by the **Contractor**. In order to facilitate the clearance of the Stores at the port of arrival, a clearing agent will be engaged by the University, in consultation with the Contractor, who will get the Stores cleared with the assistance of the University and the Contractor, and the clearing agent's charges shall be **borne by the Contractor**.

- iv. All things being equal, **Pakistan flag ships** should be used, as far as possible, for shipment of the Stores. If no such ship is available, such other ships may be used consistent with the execution of this Contract with economy and efficiency.
- v. The Stores must be shipped **under deck**
- vi. The Contractor shall send by air mail / courier service or personally deliver 4(four) sets of non-negotiable shipping documents direct to the Project Director “Engineering Wing”, Peoples University of Medical and Health Sciences, for Women Shaheed Benazirabad, Sindh, so as to reach him at least 8 (eight) days before arrival of the ship at the port in Pakistan.

b. For Stores Manufactured / Available in Pakistan

- i. All those items of the Stores which are to be manufactured in Pakistan, or are to be supplied from the locally available stocks (whether imported or manufactured in Pakistan), may be transported from the place of manufacture or availability to Shaheed Benazirabad by **any mode of transportation** as deemed convenient and suitable by the Contractor at his / her risk and cost.
- ii. **All costs** of handling, loading, transportation, unloading and placing the Stores in position in the premises of the University shall be **borne by the Contractor**.

7. Pre-shipment and After-fabrication Inspection

- a) The **pre-shipment inspection** and / or the inspection of the Stores Principals/Proprietor at the premises, if desired by the Contractor, shall be arranged by the Contractor at his / her own cost. The responsibility for the quality, quantity, correctness and adherence to the Specifications etc. of the Stores shall lie solely and squarely on the Contractor.
- b) The University may, at its discretion, waive pre-shipment inspection and hence issue the waiver in writing so that the Stores could be shipped under manufacturer’s test certificate. This waiver shall be deemed as authorization to ship for the purpose of negotiating the letter of credit under Clause 13(b) ii.
- c) The pre-shipment inspection and/or the waiver thereof shall in no any above the Contractor of any of his obligations under this Contract.

8. Insurance

The **Contractor shall arrange** the insurance for the Stores in whatever way he / she deems fit at his / her risk and cost. The prices quoted in the offer of the Contractor shall include the cost of insurance. The Contractor shall have to inform the University of the Insurance Arrangements made by him / her for the Stores.

9. On-arrival Inspection

There shall be inspection of the Stores by the representatives of the University after arrival in the premises of the University in presence of the Contractor or his authorized representatives and the representatives of the insurance company. The **inspection report**, which, inter-alia, should indicate the condition in which each item of the Stores has been received, shall be signed by the above representatives. The Contractor shall coordinate with the Project Director “Engineering Wing”, Peoples University of Medical and Health Sciences and the insurance company for arranging the inspection at such date and time as is convenient to the above representatives.

10. Taking Over

Upon receipt of the network equipment in the premises of the University and after inspection, as stated in Clause 9 above, the University will issue a **taking-over certificate** in respect of those items of Stores which are received in acceptable condition. The taking-over of the damaged items will be with-held until the same are repaired / replaced and are re-inspected and found in acceptable condition.

11. Installation and Demonstration of Stores

a). Installation

- i) After inspection and taking over of the Stores, as stated in Clauses 9 and 10 above, the **Contractor shall install** those items of Stores which are to be permanently positioned in place in the premises of the University. For this purpose, the Contractor shall co-ordinate with the Project Director “Engineering Wing”, Peoples University of Medical and Health Sciences, for making arrangements for the infrastructure needed for the installation.
- ii) The cost of infrastructure **for installation** shall be borne by the University. The Contractor shall provide, alongwith his offer, the details of the infrastructure needed for each item of the Stores separately. The technical and other personnel needed for installation of the Stores shall be provided by the Contractor at his cost. The entire cost of installation, configuration, application except that of the needed infrastructure, shall be borne by the Contractor.
- iii) The Contractor shall provide provision for the training of University staff as designated by the University for installation, operations and maintenance of the project.

b) Demonstration

- i) After installation of the Stores, as stated in Clause **11 a)** above, the complete **working of each item** of Stores for the purpose of performing the intended power generation, storage, system synchronization and data logging etc., shall be demonstrated fully to the designated staff of the University by the Contractor or his technical personnel.
- ii) The entire **cost**, including the T.A. / D.A. of the Contractor personnel involved in the demonstration, shall be **borne by the Contractor**.

12. Completion Certificate

After completion of the installation and demonstration, as stated in Clause **11** above, a certificate is to be obtained by the Contractor from a person designated by the University stating that the Stores (item-wise) have been satisfactorily installed and demonstrated by the Contractor.

13. Terms of Payment

The Contractor shall be paid for Stores in the following manner:

- a) **CATEGORY A: Stores Manufactured/Available in Pakistan without involving import.**
 - i. For all those items of Stores for which the completion certificate has been issued by the University, as stated in Clause **12** above, the University will pay to the Contractor total price of the items quoted by the Contractor.
 - ii. The payment for those items of Stores for which the completion certificate has not been issued by the University, as stated in Clause **12** above, will be with-held and released only after the damaged items are replaced / repaired, re-inspected and found in satisfactory condition with consequent issuance of the completion certificate. The payment will be made in the same manner as stated in Clause **13 a) i** above
- b) **CATEGORY-B: Stores Imported from Approved Countries.**

The payment for this category of Stores will be made in two parts as under:-

PART-I. Payment in Foreign currency

- i. An irrevocable **letter of credit** of one hundred percent (**100%**) of the C&F price, in the currency quoted by the Principals, will be opened in a bank in the country of origin in favor of the Principals/Contractor within 30 days after signing the Contract.

- ii. One hundred percent (**100%**) of the letter of credit amount will be paid against presentation of the shipping documents to the bank through the above letter of credit. The required shipping documents include:
- Clean on board bill of lading;
 - Contractor's detailed invoice showing description of the Stores, specifications, quantity, unit price and total price;
 - Detailed packing list;
 - Certificate of origin of the Stores' and
 - Certificate of pre-shipment/after-fabrication inspection or authorization to ship the Stores as per Clause-7.

PART-2. Payment in Pakistani Rupees

The Rupee component of the price of the Stores, as stated in Clause **9b)** of “**Instructions to Tenderers**” will be paid to the Contractor in the following manner:

- i. For all those items of Stores for which the taking over certificate has been issued by the University, as stated in Clause **10** above, the University will pay to the Contractor seventy percent (70%) of the total price of the items quoted by the Contractor, the remaining thirty percent (30%) will be paid after presentation of the completion certificate, as stated in Clause 12 above.
- ii. The payment for those items of Stores for which the completion certificate has not been issued by the University, as stated in Clause **10** above, will be withheld and released only after the damaged items are replaced/repared, re-inspected and found in satisfactory condition with consequent issuance of the completion certificate. The payment will be made in the same manner as stated in Clause **13 a)i** above

14. Warranty / Guaranty

- a) The Contractor shall **warranty** that the Stores shall be fit for the purposes and operation mentioned in the relevant clauses of the “Instructions to the Tenderers” and “Conditions of Contract”, notwithstanding the fact that the entire Stores, or any item or part of the Stores, bear or are found to bear a patent or trade mark.
- b) The Contractor shall guarantee supply of good quality Stores in accordance with the Specifications and as stated in Clauses 4 and 5 of the “Instructions to the Tenderers”. Further, the Stores shall be brand new and absolutely free from all defects in material, quality and workmanship. In case of defects, the defective Stores, or the defective parts / components of the Stores thereof, shall be replaced by the Contractor free of cost to the University within reasonable time.

15. Breach of Contract

In case of breach of warranty /guarantee or Contract, the **damages** suffered by the University shall be **recovered from the Contractor** out of any payment due to the Contractor and / or in accordance with the terms and conditions of the Contract Performance Bond given at Annexure “E” enclosed with this Tender Document, without notice to the Contractor.

16. Contractor’s Default Liability

a) The University may upon written notice of default to the Contractor **terminate the Contract** in the circumstances detailed hereunder:

- i. If in the judgment of the University, the Contractor fails to make delivery of the Stores within the time specified in the Contract Agreement or within the period for which extension has been granted by the University; and
- ii. If, in the judgment of the University, the Contractor fails to comply with any of the other provisions of the Contract.

b) In the event the University terminates the Contract, in whole or in part, as provided in Clause **16 a)** above, the University reserves the right to **purchase**, on such terms and conditions as it may deem appropriate, Stores similar to the one terminated, and the Contractor will be liable to the University for any additional costs for such **similar Stores**, and / or for liquidated damages for delay, as defined in Clause **22** of the Conditions of Contract until such reasonable time as may be required for the final supply of the Stores.

c) If the Contract is terminated, as provided in Clause **16 a)** above, the University, in addition to any other rights provided in this Clause, may require the Contractor to **transfer title** and deliver to the University under any of the following cases in the manner and as directed by the University:

- i) Any **completed Stores**; and
- ii) Such **partially completed Stores**, drawings, information and contract right (hereinafter called manufacturing material) as the Contractor has specifically produced or acquired for the performance of such parts of the Contract as has been terminated.

d) The University will **pay to the Contractor** the Contract Price for the completed Stores delivered to and accepted by the University and also for the manufacturing materials delivered and accepted.

e) In the event the University does not terminate the Contract, as provided in Clause **16 a)** above, the Contractor shall continue with the performance of his / her Contract, in which case the Contractor shall be liable to the University for **liquidated damages for delay** as set out in Clause 22 until the Stores are accepted.

17. Bankruptcy

If the **Contractor** shall become **bankrupt** or have a receiving order made against him / her or compound with his / her creditors, or being a corporation commence to be wound up, not being a voluntary winding up for the purpose of amalgamation or reconstruction, or carry on its business under a receiver for the benefit of its creditors or any of them, **the University shall** be at liberty to:

- a) **terminate the Contract** forthwith by a notice in writing to the Contractor or to the liquidator or receiver or to any person in whom the Contract may become vested, and to act in the manner provided in Clause 16 above as though the last mentioned notice has been the notice referred in such Clause and the Stores have been taken out of the Contractor's hand; and / or
- b) give such liquidator, receiver, or other person the **option of carrying out the Contract** subject to his / her providing a guarantee for the due and faithful performance of the Contract upto an amount to be determined by the University.

18. Termination of Contract

- a) If, for any cause as set forth in Clause **19** hereafter, the Contractor finds it impracticable to continue operation or, if owing to force majeure or to any cause beyond its control, the University finds it impossible to continue operation, then **prompt notification** in writing shall be given by the party affected to the other.
- b) If the delay or difficulties so caused cannot be expected to cease or become avoidable, or if operation cannot be resumed within six months, then either party shall have the right to terminate the Contract by giving ten **(10) days written notice** to the other.
- c) In the event of termination of the Contract under this Clause, **payment** will be made to the Contractor as follows:
 - i) The Contractor shall be paid for all the Stores for which the completion certificate has been issued, as stated in Clause 12, and for all the reimbursable expenses due and unpaid.
 - ii) The Contractor shall also be paid reasonably for any work done during the said six months period as well as for settlement of any financial commitment made in connection with proper performance of the Contract and which are not reasonably defrayed by payments under i) above.
 - iii) On termination of the contract for any cause, the Contractor shall see to the orderly suspension and termination of operations with due consideration to the interests of the University with respect to completion, safeguarding or storing of the Stores produced for the performance of the Contract and the salvage and resale thereof

19. Force Majeure.

The Contractor shall not be liable for any additional cost or for liquidated damages for delay or any failure to perform the Contract arising out of force majeure or cause beyond his / her control including acts of God, or of the public enemy, or of the Government, fires, floods, epidemic quarantine restrictions, strikes, freight embargoes and default of subcontractors due to any such cause (unless the University shall determine that the Stores to be furnished by the Contractor might reasonably have been obtained from other sources in sufficient time to allow the Contractor to meet the required time schedule), provided that the Contractor shall within ten (10) days from the beginning of such delay notify the University in writing of the **causes of the delay**. The University shall ascertain the facts and the extent of the delay and **extend the time** for completing the supplies as in its judgment the findings justify.

20. Rejection

- a) In the event any portion of the Stores supplied by the Contractor is found before taking over to be **defective in material or workmanship**, or otherwise not in conformity with the requirements of the Contract, the University shall have the right to either reject or require, in writing, rectification of the Stores. In the later case, the Contractor shall with utmost diligence, and at his own expense, make good the defects so specified or replace the defective Stores. If the Contractor fails to rectify or replace the rejected Stores, the University may adopt any of the following options:
 - i) **replace or rectify**, at its option, such defective Stores and charge to the Contractor the excess cost occasioned to the University plus (15%) fifteen percent; or
 - ii) acquire the said Stores **at a reduced price** considered equitable under the circumstances; or
 - iii) **terminate the Contract** as provided in Clause **18** of these Conditions of Contract.
- b) Nothing in this Clause shall affect any claim by the University under Clause **22** hereafter.

21. Extension of Time

If the completion of the Contract is delayed due to reason beyond the control of the Contractor, the Contractor shall without delay request the University, in writing, of his **claim** for an extension of time. The University on receipt of such request may agree to **extend the completion date** as may be reasonable in the circumstances of the case but without prejudice to other terms and conditions of the Contract.

22. Delay in Delivery - Liquidated Damages

- a) Should the **progress** of the Contract at any time be **lagging behind** the program agreed between the University and the Contractor, the University will notify the Contractor in writing and the Contractor shall there upon take such steps as he / she may deem fit to **expedite the progress** of the Contract. Non-issuance of this notice by the University shall not in any way absolve the Contractor of the liquidated damages as stated in Clause 22 b) below.
- b) If the Contractor **fails to complete the Contract**, in full or part, within the time laid down in the Contract Agreement or any extension thereof, there shall be deducted from the Contract Price, as **liquidated damages**, a sum of one half of one percent (**0.5%**) of the **Contract price** of each unit of the delayed Stores for each calendar week of delay subject to the maximum of five percent (5%) of the Contract Price of the unit or units so delayed, and such deduction shall be in full satisfaction of the Contractor's liability for the said failure.

23. Period of Guarantee

- a) The term **period of guarantee** shall mean the period of twelve (**12**) **months** from the date on which the Stores have been put into operation and demonstrated to University staff. In any case this period shall not exceed eighteen (18) months from the date of taking-over certificate.
- b) During the period of guarantee, the Contractor shall **remedy**, at his / her expense, **all defects** in design, materials, and workmanship that may develop or are revealed under normal use of the said Stores upon receiving written notice from the University; the notice shall indicate in what respect the Stores are faulty.
- c) The provisions of this Clause include all the **expenses** that the Contractor may have to incur for delivery and installation of such replacement parts, material, and equipment as are needed for satisfactory operation of the Stores at the University premises.

24. Non-assignment

The Contractor shall **not have the right to assign or transfer** without the prior approval of the University the benefit and obligations of the Contract or any part thereof.

25. Expenditure under Contract

The Contractor shall not make any expenditure for the purpose of this Contract in any **country not authorized** by the Government of Pakistan

26. **Certificate Not to Affect the Rights of the University or the Contractor**

No certificate of the University on account nor any sum paid on account by the University nor any extension of time for the delivery of the Stores pursuant to Clause 19 shall affect or **prejudice the rights of the University** against the Contractor nor relieve the Contractor of his obligation for due performance of the Contract or be interpreted as approval of the Stores supplied, and no certificate shall create liability of the University to pay for the alterations, amendments, variations etc. not ordered in writing by the University or discharge the Contractor for the payment of damages or of any sum against the payment of which he / she is bound to indemnify the University nor shall such certificate nor the acceptance by him / her of any sum paid affect or **prejudice the rights of the Contractor** against the University.

27. **Payments Due from the Contractor**

All costs, ascertained damages or expenses for which under the Contract the Contractor is liable to the University may be deducted by the University from any money due or may become due to the Contractor under the Contract or may be recovered by action of law or other wise from the Contractor.

28. **Legal Proceedings**

The Contract and the Tender Documents are governed by the **laws of Pakistan** and no proceedings to or arising out of any of them shall be instituted in any courts other than those situated at Hyderabad and Karachi, Sindh Pakistan..

29. **Dispute**

Should any question or dispute arise as to the material, design, construction or delay in the supply of the Stores or the purpose or the performance for which they are required or are warranted, the University shall nominate an independent **certifier / expert** having knowledge of the work , etc., who will, after affording the parties to the dispute an opportunity to present their contention, and after having tests made as the certifier deems fit, certify whether there has been any breach of Contract or warranty and, if so, what sum shall be paid to the University in diminution or extinction of price, and such certificates shall be final and binding and shall not be questioned and shall be acted upon in arbitral or other legal proceedings. The award of the costs of the certifier will be within his / her own discretion and shall be recoverable from the party against which the costs are awarded.

30. **Arbitration**

All disputes and matters of difference whatsoever (other than those relating to the certificate of expert certifier) between the University and the Contractor relating to and arising out of the Contract and Tender Documents shall be referred to arbitration under the arbitration act 1940 with amendments and re-amendments thereof, each party nominating its own arbitrator. The umpire will be nominated by the arbitrators within the first three arbitral hearings. The **award of the arbitrators or of the umpire shall be final and binding** upon the parties. The arbitral proceedings shall be held at Shaheed Benazirabad, Sindh Pakistan.

FORM OF TENDER
(LETTER OF OFFER)

Tender Reference No. _____ Dated _____

Name of Contract: **Engineering, Procurement, Construction (EPC) of SUPPLY & INSTALLATION OF 100 kVA DIESEL GENERATOR SET FOR HOSTELS AT NEW CAMPUS.**

Project Director (Engineering Wing)
Peoples University of Medical & Health
Sciences for Women, SINDH

Dear Sir,

1. Having examined the Tender Documents including Instructions to Tenderers, Conditions of Contract, Specifications, Drawings, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named Contract, we, the undersigned, being a company doing business under the name and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such Contract and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Tender Price of Rs. _____ (in figures and words) or such other sum as may be ascertained in accordance with the said Documents.
2. We understand that all the Schedules attached hereto form part of this Tender.
3. As security for due performance of the undertakings and obligations of this Tender, we submit herewith a Bid Bond referred to in Clause 3 of the Instructions Tenderers and as per Annexure “D”, in the amount of Rs. _____ (in words and figures) drawn in favor of or made payable to PUMHSW, Shaheed Benazirabad, and valid for a period of 28 days beyond the period of validity of this Tender.
4. We undertake, if our Tender is accepted, to complete the whole of the work comprised in the above-named Contract within the time stated in Clause 12 of the Instructions to Tenderers.
5. We agree to abide by this Tender for the period of 120 days beyond the date of opening of the Tender, and it shall remain binding upon us and may be accepted at any time before the expiration of this period.
6. Unless and until a formal Contract Agreement is signed, this Tender, together with your acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Tender is accepted, to execute the Contract Performance Bond referred to in Clause 3 of the Instructions to Tenderers and as per Annexure “E” for the due performance of the Contract.

8. We understand that you are not bound to accept the lowest or any Tender you may receive.
9. We do hereby declare that this Tender is made without any collusion, comparison of figures or arrangement with any other person or persons making a Tender for the above-named Contract.
10. We confirm, if our Tender is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the Contract and the composition or the constitution of the joint venture shall not be altered without the prior consent of the Vice Chancellor, PUMHSW, Shaheed Benazirabad. (Please delete this clause in case of Tender from a single firm).

Dated this _____ day of _____ 2015

Signature _____ in the capacity of _____ duly authorized

to sign Tender for and on behalf of _____
(Name of Tenderer in Block Capitals)

Address: _____

Witness:

Name: _____

Address: _____

Occupation: _____

TENDER PARTICULARS

THE TENDERERS MUST SUPPLY THE FOLLOWING SPECIFIC INFORMATION FOR EACH ITEM OR GROUP OF ITEMS OF THE STORES:

1. Conformation of Stores:

Whether the Stores offered conform to the particulars specified in the Schedules; if not, details of deviations must be stated in Annexure “F”.

2. Manufacturing Details:

- (i) Brand of Equipment.
- (ii) Name and address of Manufacturer; and
- (iii) Country of origin of Stores.

3. Delivery Schedule: `

- (i) Earliest date by which delivery can be effected;
- (ii) Complete schedule of delivery; and
- (iii) If the delivery period is different for different items, it must be indicated item wise.

4. Packing Specification:

Whether the specifications for packing given in the Tender Documents will be adhered to.

ANNEXURE “C1”

**FORM OF SCHEDULE TO TENDER FOR STORES MANUFACTURED/AVAILABLE
IN PAKISTAN WITHOUT INVOLVING IMPORT**

Due by _____ hours on _____
(time) (date) (month) (year)

SCHEDULE TO TENDER NO. _____ DATED _____

The Tender will be opened at _____ hours on _____
(time) (date) (month) (year)

Delivery on or before _____
(date) (month) (year)

Rates and amount to be quoted in Pakistani Rupees

S.No.	Code/ Item No.	Description Of Stores	Detailed Specifications Of Stores with Model No.	Quantity Of Stores.	Unit	Rate Per Unit	Total Price.
1	2	3	4	5	6	7	8

It is certifies that:

- i) The Stores offered above conform in all respects with the particulars/specifications given in the Tender Documents’ and
- ii) All the terms and conditions of the Tender Documents are acceptable to us.

(signature of the authorized person)

SEAL

(name of the authorized person)

(name of the Tenderer)

ANNEXURE “C2”

FORM OF SCHEDULE TO TENDER FOR STORES
IMPORTED FROM APPROVED COUNTRIES.

Due by _____ hours on _____
(time) (date) (month) (year)

SCHEDULE TO TENDER NO. _____ DATED _____

The Tender will be opened at _____ hours on _____
(time) (date) (month) (year)

Delivery on or before _____
(date) (month) (year)

PART 1. The rates quoted in the Table below must be on C&F basis.

[illegible]

PART 2. The rates quoted in the Table below must be in Pakistani Rupees

[illegible]

(Continued on the next page)

ANNEXURE “C2”

NOTE:

In the Table below, the columns 1 to 5 and 8 are to be filled in by the Tenderer before submitting the Tender, while the columns 6,7 and 9 are to be filled in jointly by the Project Director “Engineering Wing”, Peoples University of Medical and Health Sciences, for Women Shaheed Benazirabad, or his representative, and the Tenderer, or his representative, after opening of the Tender.

S. No.	Code/ Item No.	Description of Stores	Total C&F Price for Part 1	Currency	Exchange Rate	Total Price for Part 1 (Rs.)	Total Price for Part II (Rs.)	Total Cost (Rs.)
1	2	3	4	5	6	7	8	9

It is certified that:

- i) The Stores offered above conform in all respects with the particulars/specifications given in the Tender Documents; and
- ii) All the terms and conditions of the Tender Documents are acceptable to us.

(name of the Tenderer)

(signature of the authorized person)

(name of the authorized person)

SEAL

ANNEXURE “D”

BID BOND

(Bank Guarantee)

Guarantee No _____

Executed on _____

Expiry date _____

Letter by the Guarantor (Bank) to the Employer (University)

Name of Guarantor (Bank) with address: _____

Name of Principal (Tenderer) with address: _____

Penal sum of Security (Bond),(in figures and words): _____

Tender Reference No. _____ Date of Tender _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Tender and at the request of the said Principal (Tenderer), we the Guarantor above-named are held and firmly bound unto the Vice Chancellor, PUMHSW, Shaheed Benazirabad acting through the Project Director “Engineering Wing”, Peoples University of Medical and Health Sciences {hereinafter called The “Employer” (“University”)} in the sum stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severely, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal (Tenderer) has submitted the accompanying Tender numbered and dated as above for supply, installation, putting into operation and demonstration of work at PUMHSW Shaheed Benazirabad, to the said Employer (University); and

WHEREAS, the Employer (University) has required as a condition for considering the said Tender that the Principal (Tenderer) furnish a Bid Bond in the above said sum to the Employer (University), conditioned as under:

- 1) that the Bid Bond shall remain valid for a period of 28 days beyond the period of validity of the Tender;

2) that in the event of;

- a) the Principal (Tenderer) withdraws his Tender during the period of validity of the Tender;
- b) the Principal (Tenderer) does not accept the correction of his Tender Price, pursuant to Clause 16 of “Instructions to Tenderers”; or
- c) failure of the successful Tenderer to:
 - i) furnish the required Contract Performance Bond, in accordance with Clause 3 of “Instructions to Tenderers”; or
 - ii) sign the proposed Contract Agreement, in accordance with Clause 4 of the “Conditions of Contract”;

then the entire sum be paid immediately to the said Employer (University) as liquidated damages and not as penalty for the successful Tenderer’s failure to perform.

NOW THEREFORE, if the successful tenderer shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract with the said Employer (University) in accordance with his Tender as accepted and furnish within twenty eight (28) days of his being required to do so, a Contract Performance Bond with good and sufficient surety, as may be required, upon the form prescribed by the said Employer (University) for the faithful performance and proper fulfillment of the said Contract or in the event of rejection of the said Tender by the Employer (University) within the time specified then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT, the Guarantor shall forthwith pay to the Employer (University) the said sum stated above upon first written demand of the Employer (University) without cavil or argument and without requiring the Employer (University) to prove or to show grounds or reasons for such demand notice of which shall be sent by the Employer (University) by registered post duly addressed to the Guarantor at its address given above.

PROVIDED ALSO THAT, the Employer (University) shall be the sole and final judge for deciding whether the Principal (Tenderer) has duly performed his / her obligations to sign the Contract Agreement and to furnish the required Contract Performance Bond within the time stated above, or has defaulted in fulfilling the said requirements and the Guarantor shall pay without objection the sum stated above upon first written demand from the Employer (University) forthwith and without reference to the Principal (Tenderer) or any other person.

IN WITNESS WHEREOF, the above bounden Guarantor has executed the instrument under its seal on the date indicated above, the name and seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative pursuant to the authority of its governing body.

Guarantor (Bank)

Witness:

1. _____
(Signature)

(Signature)

(Name, Title, Address and Seal)

(Name)

2. _____
(Signature)

(Title)

(Name, Title, Address and Seal)

(Corporate Guarantor Seal)

CONTRACT PERFORMANCE BOND

(Bank Guarantee)

Guarantee No. _____

Executed on _____

Expiry Date _____

Letter by the Guarantor (Bank) to the Employer (University)

Name of Guarantor (Bank) with Address: _____

Name of Principal (Contractor) with address: _____

Penal Sum of Security (Bond), (in words and figures) _____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the Tender Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal (Contractor) we, the Guarantor above named, are held and firmly bound unto the Vice Chancellor, PUMHSW, Shaheed Benazirabad, Sindh, acting through the Project Director “Engineering Wing”, Peoples University of Medical and Health Sciences {hereinafter called the Employer (University)} in the penal sum of amount stated above for the payment of which sum well and truly to be made to the said Employer (University), we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal (Contractor) has accepted the Employer’s (University’s) above said Letter of Acceptance for the supply, installation, putting into operation and demonstration of deployment of work at PUMHSW Shaheed Benazirabad.

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer (University), with or without notice to the Guarantor, which notice is hereby waived and shall also well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the Contract and of any and all modifications of the said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till the expiry of the guaranty period as per Clause 23 of the Conditions of Contract.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer (University) without delay upon the Employer's (University's) first written demand without cavil or arguments and without requiring the Employer (University) to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer's (University's) written declaration that the Principal (Contractor) has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to the Employer's (University's) designated Bank and Account Number.

PROVIDED ALSO THAT the Employer (University) shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling the said obligations, and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Employer (University) forthwith and without any reference to the Principal (Contractor) or any other person.

IN WITNESS WHEREOF, the above bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body

	_____ Guarantor (Bank)
Witness:	
1. _____ (Signature)	_____ (Signature)
_____ Name, Title and Address (Seal)	_____ (Name)
2. _____ (Signature)	_____ (Title)
_____ Name, Title and Address (Seal)	_____ Corporate Guarantor (Seal)

ANNEXURE “F”

Statement Describing Deviation from Specifications.

S.No.	Code No.	Description of Stores	Statement of Variation from Specifications	Reasons for Variations.
1	2	3	4	5

(signature of the authorized person)

(name of the authorized person)

SEAL

On behalf of

(name and address of the Tenderer)

1.1 SCOPE OF WORK

The work under this Section consists of the following.

Supply, installation, testing and commissioning and transportation of **100 KVA D.G Set manual/ auto with canopy**

- a. , relevant material and all the allied accessories as specified herein or as given and in the Bill of Quantities.
- b. The generators are Prime rating, shall be placed as located in drawing on a 6” raised RCC pad or as required by generator supplier.
- c. The contractor shall discuss the electrical layout with the Consultant and coordinate at site with other services for the exact route, location and position of control/power cable and equipment.

The supplier shall prepare the complete shop Drawings based upon the installation manual of manufacturer and Bill of Quantities for showing the installation layout along with material / accessories to be used for the following.

- a) Installation, mounting and fixing details of the generators on the foundation pad
- b) Fabrication and Installation of Diesel Tank (Buried in ground)
- c) Layout drawings for relevant pipes of Diesel supply system.
- d) Fabrication and Installation of Cable Trays (where ever required)
- e) Fabrication details of supply fans, ventilation Fans and filters.
- f) Installation of ventilation Fans and Allied ducts.
- g) The Contractors shall perform test of leakage.
- h) The Installation contractor shall provide all coordination & supports to the Supplier to the commissioning of the Generators. (In case, of third party contractor)
- i) Fabrication and installation details / layout for lube oil Tanks.
- j) Fabrication and Installation details / layout for Diesel Day Tank.
- k) Layout drawings for relevant pipes of Flue Gas system.

1.2 TECHNICAL SPECIFICATIONS

1.2.1 General Performance Requirements

1.2.1.1 The generating sets shall be of standard design of reputed manufacturer as described in approved manufacturer list and other control to be of the generator manufacturer's, who shall have similar units in operations under similar applications & field conditions. The generator set shall comply with IEC 60034-1.

1.2.1.2 The generator set shall be specially designed for low ambient noise level, suitable for indoor use with a maximum noise level (dB) as mentioned in the summarized specifications attached here with. The bidder shall state with his bid the value of noise during operation.

1.2.1.3 Each generating set shall after reducing the power absorbed by the auxiliaries deliver continuous specified power output at 400 volts and 0.8 power factor, 3-phase, 50 Hz under full load condition, should have capability of voltage variation from 380-440V.

All auxiliaries, accessories and connection systems along-with all necessary cables, fittings, hardware etc. for complete vibration proof installation of prime-mover, generator, control panel including starting, inlet, exhaust, cooling system, etc. are to be included in the scope of supply.

1.2.1.4 The engine shall be directly coupled to the generator with a maximum r.p.m speed as shown in summarized specifications attached here with.

1.2.1.5 The engine-generator package shall be mounted on vibration proof spring / rubber pads. Heavy duty lifting eyes and jacking screws shall be provided on the skids. Supplier shall provide foundation design and shall supply foundation bolts and any other material / hardware for complete installation of the package. Any excessive torsional vibration shall be avoided for both engine and alternator.

1.2.2 Specifications for Diesel Fuel Engine Prime Mover

1.2.2.1 Engine shall be four strokes, compression ignition engine (preferably manual ignition).

1.2.2.2 Starting shall be done by the electric starter motor operated from 24V D.C lead acid batteries mounted on the skid. Batteries shall be provided by the supplier. The engine shall be equipped with an alternator type automatic charging system to charge the batteries during normal engine operation. The charger and batteries shall be adequate to satisfy the following requirements.

- a. Crank the engine at firing speed for at least 15 second.
- b. Crank the engine three times for the above duration.
- c. Fully charged the discharged batteries within eight hours.

1.2.2.3 Overload Capabilities

Engine shall be of continuous rating with overload capability of at least 10% above the normal rating for up-to 1 hour continuously in any 12 hour period. The rating of gen-set shall be in accordance to ISO 8528 and overload capability shall be in accordance to the ISO 3046.

1.2.2.4 Air Intake

Air intake shall be naturally aspirated, equipped with suitable filter.

1.2.2.5 Engine Cooling

Engine shall be fan cooled, water radiator type supplied with guard. Cooling system shall have an engine centrifugal pump for cooling water circulation.

1.2.2.6 Exhaust System

Exhaust system shall be equipped with double residential type silencer complete with muffler exhaust manifold, flexible connector, exhaust elbow, rain cap, and associated fittings. The exhaust line shall be taken outside the building in the shortest possible way and not to include too many bends. The exhaust line should be insulated along its way from the engine to the termination point at the wall.

At the termination, protection shall be provided from rain, etc. All the piping should be insulated with the glass wool wrap and then steel jacket.

1.2.2.7 Speed Governor

Electronic governor (to be mentioned clearly along with the bids) shall regulate engine speed so as to maintain the generator frequency within + 2 % of the specified output frequency. Stable engine speed shall be restored within 10 second after the engine has been started shall be restored within 8 second of any sudden load change from no load to full load. During the change of load surging period, the speed shall not vary by more than rated speed.

1.2.2.8 Instruments

Skid mounted panel shall have calibrated gauge / meters to measure the following

Engine speed.

Lube oil pressure.

Engine oil temperature.

Engine water temperature.

Engine running hours.

Diesel level meter / indicator (For Diesel Generator)

Pressure Gauge meter

Battery charging current.

1.2.3 Fuel System

For Diesel Engine:

Engine shall be operated on commercial high speed diesel oil. A fuel oil strainer / filter shall be provided in the fuel line. Fuel system for diesel shall not require any priming.

Contractor shall also include complete fuel storage and transfer system. The tank shall have level gauge and pump to facilitate the pumping of diesel from drums / reservoir.

Contractor shall submit with the bid, details of fuel system and estimated fuel consumption at half, three quarter and full load operation. It shall have a vernier throttle control for speed adjustments.

1.2.4 Specification for Generator

1.2.4.1 Type generator shall be synchronous.

1.2.4.2 Excitation.

Excitation shall be brush less rotating diodes for 3-phase full wave rectification on mounted on the main shaft.

1.2.4.3 Windings

Alternator winding shall have class-H insulation with anti condensate heater for winding and shall be impregnated for tropical use.

1.2.4.4 Voltage Regulation

Voltage Regulator shall be solid state with provision for manual setting. Regulator shall be so designed as to protect the exciter when the generator is running at reduced speed during starting or idling of the Prime-mover. Voltage regulation shall be $\pm 1\%$ from no-load to full load.

1.2.4.5 Over Load Capability

The generator shall be capable of carrying 1 hour overload of 10% of nominal rated current with field set for normal rated load excitation for any 12 hour period. The rating of gen-set shall be in accordance to ISO 8528 and overload capability shall be in accordance to the ISO 3046.

1.2.4.6 Short Circuit Protection

Generator shall be capable of withstanding a minimum time as specified in IEC 60034-1, without injury for a three phase short circuit at its terminal when operating at rated kVA and power factor.

1.2.4.7 Over Speed

Synchronous generator shall be so constructed that in case of emergency they will withstand an over speed of 25% without mechanical injury.

1.2.4.8 Deviation Factor

The deviation factor of the open-circuit line to line terminal voltage shall not exceed

1.2.4.9 Specifications for Control Panel

Control panel shall be skid mounted front access part of the engine-generator package. Removable bolt-on glands shall be provision to suit bottom entry. Panel shall be complete with all control wiring, pressure clamped terminal and lugs. Control panel shall be wired by flexible PVC insulated cable. All cables shall be suitable color coded and numbered for circuit identifications. Contractor shall submit with the bill all electrical and mechanical details and installation drawings. Panel shall be provided with connection for remote shut off operation.

1.2.5 Unit Control Section

This shall incorporate measuring instruments, instrument transformers, circuit breakers, voltage regulator, governor, voltage adjusting rheostat, battery charger, enunciators, indicating lamps etc.

1.2.5.1 Instruments

Following measuring instruments shall be provided.

- a. Ammeter with selector switch.
- b. Voltmeter with selector switch.
- c. Frequency meter (dial type).
- d. Kilowatt hour meter.
- e. Ammeter (charging current).

1.2.5.2 Safety Devices

Following alarm/shutdown enunciators and safety device shall be provided.

- a. Alarm and shutdown for.
 - High crank case low oil level.
- b. Alarm and lockout.
 - Over crank.
- c. Alarm and shutdown
 - Engine Over speed.
- d. Alarm for battery charging
- e. Winding temperature light alarm and shut down.

After shut down this set shall lock out and it shall not be possible to restart unless the fault has been removed and manually reset.

1.2.5.3 Circuit Breaker

All circuit breaker shall be triple-pole electromagnetic type with over-current under voltage, and short circuit protections.

1.2.5.4 Battery Charger

Battery charger shall be static type and shall supply a float charge to the batteries when the engine is not in operation. Work also includes the wiring from DB (HESCO) to charger.

1.3 TOOLS

A complete set of tools for routine operating and maintenance of engine and generator shall be furnished without additional cost. A detailed and comprehensive list of tools is to be provided by supplier along with the technical and commercial bid.

1.4 TECHNICAL DATA

Details to be provided with this quotation.

1.5 ENERGY METER / HOUR METER

An energy meter of suitable rating and to meet the requirement of electrical inspector to record the total operating hours of the generator an HOUR-OPERATION-METER shall also be provided.

1.6 VIBRATION ISOLATORS:

The generators should be securely fixed & mounted on rubber pad foundation to avoid transfer of vibrations to earth, foundation of building, walls etc.

1.7 FACTORY ASSESSMENT TEST:

Pre-delivery factory assessment test shall be performed in the presence of Consultant's representative. Refer annexure B for complete list of tests to be performed.

1.8 SPECIAL INSTRUCTIONS FOR THE BIDDERS

The supplier shall prepare the complete shop Drawings based upon the installation manual of manufacturer and Bill of Quantities for showing the installation layout along with material / accessories to be used for the following.

2.0 SUMMARIZED TECHNICAL REQUIREMENT:

DIESEL GENERATOR:

Power Rating	100 kVA (<i>Prime</i>)
Output Voltage	400V
Frequency	50 Hz
Power Factor	0.8 (Lagging)
No. of phases	3
R.P.M	1500
Voltage regulation	\pm 1-2%
Excitation	Self Excited
Insulation Class	Class H
Ingress Protection	IP 23 (with canopy)
Sound Level (without canopy)	<105 dBA @ 1 meter
Governor	Electronic
AMF	With Controller
Battery	24V

**SUPPLY & INSTALLATION OF 100 kVA DIESEL
GENERATOR SET FOR HOSTELS AT NEW CAMPUS**

BILL OF QUANTITIES

Supply & Installation of 100 kVA Diesel Generator Set for Hostels at New Campus					
BOQ					
S.NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	DIESEL GENERATOR				
1	<p>Supply, installation, testing and commissioning of following Diesel Generator Set operating on 3-phase, 400V, 50Hz, 1500 rpm Prime Rated, Water Cooled Diesel generating set, suitable for operation at 50°C inside power house with control panel, AMF (with ATS) and 90% relative humidity assembled in accordance with their provided drawings / manuals and consisting of painted welded steel bed plate frame work to accommodate engine alternator complete with manual governor to give regulation to BS:5514 class A1, balanced flywheel, water jacket heaters energized by the incoming main supply, heavy duty starting batteries, battery charger, hour runs meter, KWH meter, emergency stop push button, radiator, with water level switch, fuel tank, piping works, consisting of black steel pipe schedule 40, fuel pump, exhaust system residential type silencer, 400/230 V, 50 Cycles/second, at 1500 RPM, for 3 phase 4 wire system.</p> <p>The work also includes but not limited to</p> <ul style="list-style-type: none"> - Transportation up to site, inside PUMHSW room. 1/2 thick neoprene sheet and placement on foundation pads. Vibration Isolators, levelling and grouting. <p>The work also includes all allied mechanical and electrical works including material, labour, tools, accessories etc. Generator set shall</p>				

	be with built in radiator and including all other accessories essential for transportation and installation of Genset.				
A	100 kVA D.G Set, electronic governor with canopy, output prime rating 100 kVA, 80 kW, output standby rating 110 kVA, 85 kW (Unlimited Hours)	Job	4		
2	Providing and installation of remote AUTO/OFF/MAN selector switch . Complete with wiring in PVC conduit, Panel with all required facilities.	Job.	4		
3	On load testing of DG sets with material required for 4 hours operation inclusive of fuel, engine oil etc. Load should be provided by the client at site.	Job.	4		
4	Supply, installation, testing and commissioning of 4 core 70mm.sq pvc/pvc cable including upvc conduit complete in all respect.	Meter	200		
	Note:1, Contractor have to provide all the accessories/device required for completion of system.2, Mention all owner supplied material/work along with the bid which are not included in the scope of work but required for completion of work.				
	Total Amount (Rs.)				

Total Rs. in Words:-