

**PKISTAN BROADCASTING CORPORATION  
HEADQUARTERS G-5/1 ISLAMABAD**

**BIDDING DOCUMENTS  
Tender Enquiry: ENG/PROC-4(257-A)/23**

**SUPPLY AND INSTALLATION OF ELECTRICAL, ELECTRONIC,  
MECHANICAL EQUIPMENT & ESSENTIAL CIVIL WORK**

**ON DDP TURNKEY BASIS**

**UNDER PSDP PROJECT TITLED  
"ESTABLISHMENT OF SAUT UL QURAN FM NETWORK PHASE-II"**

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**(Note: This Document contains 41 pages only)**

## 1. DEFINITIONS AND INTERPRETATIONS:

The following words and expressions shall have the meaning assigned to them as defined hereunder:

- 1.1 **“ACCEPTANCE TEST PROCEDURES”** means test procedure specified as per approved Provisional Acceptance Test (PAT) protocols by PBC P&D wing or by the Contractor and approved by PBC as it is or with modifications.
- 1.2 **“ACCEPTANCE TEST(S)”** means the test(s) specified in the technical Specifications as per approved protocols by PBC to be carried out to ascertain whether the facilities or a specified part thereof is able to attain the performance level specified in and as per approved PAT protocols by PBC P&D wing in accordance with provisions of Contract.
- 1.3 **“BOQ”** stands for Bill of Quantities of each job /work as mentioned in this contract and its annexes according to which Contractor supply equipment & services.
- 1.4 **“GOODS”** means products, equipment, spares, and commodities including hardware, software. The Goods include all the equipment, machinery, and any other material which the Contractor is required to supply to PBC as mentioned in the BOQ under this Contract, including Hardware, Firmware and Software of all types specified explicitly or implicitly and/or required for a fully functional system (s) as per PBC specifications and performance objectives.
- 1.5 **“GOOD RECEIPT CERTIFICATE/NOTE” (GRN)** means Certificate/ Note issued by the Consignee certifying receipt of Goods in good order and condition.
- 1.6 **“CONTRACT”** means the conditions of agreement, the scope of work, the specifications, drawings, BOQ including all Annexes of contract documents.
- 1.7 **“CONTRACT PRICE”** means the total price of contract for Goods and services on Delivered Duty Paid (DDP) basis as attached at **Annexure- “A”** and is firm, Fix and final and no variations whatsoever shall be acceptable to the purchaser. All such charges, if levied, on consignments of replacements of defective and short supplies items/item will be borne by the Contractor.
- 1.8 **“CONTRACT DOCUMENTS”** means the documents in Article (CONTRACT DOCUMENTS) including the changes made if any.
- 1.9 **“DELIVERY CHARGES”** means local transportation, off shore shipment charges or any other way of transportation used to import the Goods including handling, storage, insurance and any other charges incidental to delivery of Goods at their final destination.
- 1.10 **“SITE”** means the land of locations, building and any other places including container etc. where the facilities/equipment has to be installed, commissioned and tested.
- 1.11 **“SERVICES”** means Supply & Installation of Electrical, Electronic & Mechanical Equipment alongwith all required parts & essential civil work on DDP basis with all allied accessories and on Turnkey Basis
- 1.12 **“TIME OF COMPLETION”** means the time schedule within which completion of the work (equipment and services) as a whole as per provision of Contract.
- 1.13 **“ORIGIN”** means the place where Goods are mined, grown or produced from where ancillary services are supplied, Goods are produced, when through manufacturing, processing or substantial and major assembling of components, commercially recognized products results that is substantially different in basic characteristics or in purpose of utility from its components.

- 1.14 **“LIQUIDATED DAMAGES”** (LD) means the monetary damages imposed upon the Contractor and payable to PBC by the Contractor on account of its late delivery of a whole or part of project.
- 1.15 **“PERFORMANCE GUARANTEE”** means a guarantee issued by a scheduled bank located in Pakistan in CDR form prior to the signing of the Contract for an amount equivalent to 10% of total contract amount which will serve two purposes:
- a. **It keeps the successful bidder on track if he fails to deliver** & becomes defaulter/insolvent or deviates from any other obligation then his performance security will be forfeited.
  - b. In case the successful bidder/contractor successfully delivers the equipment, installed, commissioned, PAT is signed and PAC is issued then it will be retained for the entire warranty period starting from the date of issuance of PAC and remain valid until the issuance of FAC on completion of agreed warranty period by the end user.
- 1.16 **“WARRANTY PERIOD”** shall mean the period(s) be the warranty mentioned in the web site & technical brochures but should not be less than TWELVE (12) months starting from the date of PAC.
- 1.17 **“TURNKEY”** shall mean all obligations of the Contractor explicitly or implicitly arising out of stated in this contract which are required to complete entire system/ work as per satisfactory performance of the whole system according to satisfaction of PBC.
- 1.18 **“PAT”** means provisional acceptance test, which shall be conducted by P&D wing in accordance with PAT protocols within seven (07) days from the notified installation date.
- 1.19 **“PAC”** means Provisional Acceptance Certificate that will be issued by ULTIMATE CONSIGNEES (in this case P&D wing) within one week after one month’s continuous working/operation of equipment/services/works.
- 1.20 **“FAC”** means Final Acceptance Certificate, which will be issued by ultimate consignee to Controller Procurement within seven (07) days after completion of specified continuous warranty period (without any break due to faults in Software or Firm ware/Hardware in the Goods). It will start from the date of issuance of PAC.
- 1.21 **“BEC”** The Bid Evaluation Committee approved by competent authority (DG PBC) for legal, financial & technical scrutiny and evaluation of bids.
- 1.22 **“COMPANY”** means a company formed and registered under the company law and includes but not limited to private limited company, public limited company, firm, association of persons or sole proprietorship or any other form of business organization.
- 1.23 **“BENEFICIAL OWNER (BO)”** means
- (i) Natural person who ultimately owns or controls the bidder’s company and / or the natural person on whose behalf a transaction is being conducted; or
  - (ii) Natural person who exercise ultimate effective control over a legal person or legal arrangement
- 1.24 **“PUBLIC PROCUREMENT CONTRACT (PPC)”** means the contract awards under Public Procurement Regulator Authority Ordinance, 2002, Public Procurement Rules, 2004 and the Regulations.

## **INSTRUCTIONS TO THE BIDDERS**

### **2. GENERAL**

#### **2.1 INTRODUCTION**

With independence on 14<sup>TH</sup> August-1947, Radio Pakistan also came into existence by parting ways with the then All India Radio. After rendering the service of around 26 years, Radio Pakistan was converted into a statutory body through a parliamentary Act No. XXXII-1973 in 1973 and Radio Pakistan became PAKISTAN BROADCASTING CORPORATION. The purpose of enacting Radio Pakistan as a “corporation” was to disseminate impartial news and analysis, besides education, information and entertainment, to general public through a vast network of broadcasting and transmitting equipment installed in large cities of the country with its headquarters in capital, Islamabad. In addition, the aims and objectives of this public sector state broadcaster include, promoting soft image of the country in terms of Islamic, social and cultural values in and outside its territorial boundaries.

The administrative and financial affairs of PBC are governed by a Board of Directors (BoD) with Secretary Information as its Chairman. The appointment of BoD members is made by the federal government.

#### **2.2 SCOPE OF WORK:**

- 2.2.1. Supply, installation, testing and commissioning of Electrical, Electronic, Mechanical Equipment alongwith allied parts & Essential Civil Work (as tabulated below) for PBC under PSDP Project titled "Establishment Of Saut-ul-Quran FM Network Phase-II" on DDP basis as per specifications mentioned “**Annex-A**”

| Sr. No. | Description of Item  |
|---------|--|
| 1.      | 2-KW high quality digital FM transmitter (DRM Ready) along with DRM compatible antenna system, hardware/accessories, 100 m branded RF cable and any other part(s) needed to operationalize the equipment |
| 2.      | 250 feet height guy-wired antenna tower/mast with allied hardware/accessories including civil works of foundation of Antenna Tower & Guywire   |
| 3.      | Earthing System for Mast alongwith allied hardware and accessories   |
| 4.      | Dish Antenna & satellite receiver with allied hardware accessories   |
| 5.      | Audio Processor (If built-in not provided with transmitter) with hardware and accessories  |
| 6.      | Computer System with allied accessories  |
| 7.      | Split AC 2-Ton with hardware and accessories   |
| 8.      | UPS 10-KVA with hardware and accessories   |
| 9.      | AVR 10-KVA with hardware and accessories   |
| 10.     | Diesel Generator 20-KVA along with ATS and weather canopy with hardware and accessories  |

- 2.2.2 For the execution of the work the bidder shall undertake to supply all hardware and software including equipment, installation material, interfacing units etc. as detailed at (**Annex-A**), which shall be necessary to make the equipment fully functional and operative. Any other item (i.e. hardware or software) or any other entity which may not have specifically been mentioned at (**Annex-A**), but is/are necessary to meet the Specifications, Bill of Material and site requirements shall be provided by the bidder without any extra cost to PBC. Following items (but not limited to) shall be required for the execution of the work.

- i) Hardware
  - ii) Software
  - iii) Power cabling
  - iv) Installation materials
  - v) Services (Engineering, Installation, Integration, Support, etc.)
  - vi) Civil works required for installing of equipment at identified site.
  - vii) Documentation, Operation & trouble shooting/ maintenance manual, CD of software configuration for reconfiguration in case configuration does not work or is corrupted due to any reason in the useful life of Transmitter/Allied Equipment (if any)
- 2.2.3. The offered/quoted equipment shall comply and be in accordance with all the technical provisions as enunciated in technical specifications at (**Annex-A**) and Terms & conditions mentioned at (**Annex-C**). The ultimate consignee i.e. PBC, (P&D) Engineers will be the sole judge/responsible to execute the project as per contract agreement.
- 2.2.4. It is a turnkey project categorically. Bidders may participate for any and/or all items mentioned/tabulated above as per their field of expertise.

### **2.3 GENERAL INSTRUCTIONS**

The bidder shall undertake to:

- 2.3.1 Keep PBC informed of technological and other developments in the products offered and methods of incorporating such developments economically to PBC.
- 2.3.2 The bidder's technical staff must have enough experience of supply and installation of Equipments (tabulated above).
- 2.3.3 The supplied equipment shall be flexible, efficient, rapid, accurate and reliable.
- 2.3.4 Equipment shall be of the latest state-of-the-art technology
- 2.3.5 The proposed equipment should be field proven in local and international market.
- 2.3.6 Equipment shall be of the latest state-of-the-art technology, currently available in national and international market.
- 2.3.7 Equipment (Sr. No. 1, 5, 8, 9 & 10) shall be able to withstand the voltage variations (180-260 VAC alternating current) and should have enough inbuilt cooling system to cope with the temperature variations & dusty atmosphere in Pakistan. The equipment should be robust enough against highest level of humidity in Pakistan. The equipment should be customize-manufactured to sustain voltage variations in Pakistan. The bidder will have to install adjustable over current, over voltage and under voltage protection circuit available in local market. The equipment should have enough protection against over voltage and over current and low voltage cut off protection. The equipment should be customized built to protect the equipment from transient or oscillatory surges.
- 2.3.8 Equipment shall have low power consumption and energy efficient. The bidder shall indicate the power consumption, size, weight and space requirement of the offered equipment system.
- 2.3.9 Bidder will provide the list of Spare Parts with cost of quoted FM brand separately in US Dollar which will be converted in PKR. PBC reserves the right to evaluate the quoted bid separately or in combination of FM transmitter and critical parts depending on availability of funds. Spares may include Power Supply, RF Modules, ICs, MOSFETs or any others etc. in USD, which will be converted in Pakistani Rupees.
- 2.3.10 The proposed AVRs should have automatic Deactivate/Reactivate capability in abnormal

conditions, independent /together operation of phases. The AVR should have high performance even on 100% unbalance load.

- 2.3.11 For Diesel Generator the successful bidder will be responsible for Supply, Installation, Testing and Commissioning of Diesel Generator Set along with Sound Proof Canopy. The proposed diesel generator set, engine, alternator & control panel/module should be of the same manufacturer/company. The generator set should be able to provide sustainable power supply even the load is highly unbalanced. The generator should be cold start & auto run with the Auto Change over Switch (ATS).
- 2.3.12 The bidder must submit detail specification of offered equipment in the technical proposal, in case of noncompliance the bid will be state away rejected.
- 2.3.13 For Computer system, the bidder will provide all accessories/parts of the computer system (i.e. keyboard, mouse, monitor etc.).
- 2.3.14 Items at serial no. 2 & 3 depend on the requirement of the site/location at the PBC's prescribed radio stations. So, survey and clarification as per requirement of the site is must for serial no. 2 & 3 before submission of bid/proposal. The actual rate and scope of work may vary depending on the requirement of the site (depth), so it is negotiable which may be fixed at the time of agreement with the successful bidder for serial no. 2 & 3.

## **2.4 INSTALLATIONS**

- 2.4.1 PBC Engineers (End user & ultimate consignee) report regarding the workmanship will be considered as final.
- 2.4.2 The bidder will be bound to replace the equipment/item within the time agreed both the parties upon but not later than 30 days in case the PBC engineers found it faulty during any stage i.e. on delivery, PAT or later during warranty period.
- 2.4.3 The PBC Engineers (concerned units and P&D) will test and monitor the performance of equipments/items for PAC. On the satisfactory report of end user, the PAC will be issued by ultimate consignee (P&D wing) after one month of performance observance.
- 2.4.4 The bidder shall supply, install and configure the supplied equipment at the time of delivery in presence of end user/ultimate consignee.
- 2.4.5 The bidder shall provide all cables, connectors, and installation materials required on turnkey basis.
- 2.4.6 Wiring /cabling, connectors shall be of flexible design that can be easily added, rearranged or removed.
- 2.4.7 Modifications in the building/premises of site like making holes in the wall; roof or floors (if) required for the execution of the works/installation of equipment, shall be done by the bidder.
- 2.4.8 The bidder will be bound to replace the whole system/equipment, if the equipment does not work as per requirement of PBC.
- 2.4.9 The successful bidder will provide a CD of software free of cost for reconfiguration to PBC Engineers, if and when required (where applicable).

## **2.5 Maintenance Support**

- 2.5.1 The bidder shall recommend the type of routine/preventive and corrective maintenance SOP with duration to Purchaser/Buyer.
- 2.5.2 The bidder will clearly indicate the name telephone number and email address of the persons

(local or foreigners) for quick trouble shooting purpose.

- 2.5.3 The bidder will provide comprehensive hardware and software support to PBC Engineers during the warranty period.
- 2.5.4 The Warranty Period will start after the issuance of the PAC (Provisional Acceptance Certificate) and will continue till the issuance of FAC (Final Acceptance Certificate) by the ultimate consignee after receiving satisfactory report from the end-user (PBC Engineers at the respective site).
- 2.5.5 The bidder will provide an alternate equipment of same ratings, brand incase Equipment/Accessories cease to function due to minor faults in software or hardware or due to any technical reason. The bidder shall repair the faulty equipment with the fastest speed and will return it back to PBC's concerned site. The repaired equipment must operate as per desired equipments/satisfaction of PBC. If there exists any manufacturing fault in supplied equipment and allied accessories at the time of installation/testing or during warranty period, the bidder will be bound to replace the faulty equipment with brand new equipment if panel of PBC engineers declares that there exists a manufacturing fault in the supplied equipment. The Supplier/Bidder will provide bank guarantee against total DDP cost of supplied equipment before lifting the equipment for shipment, applicable within the warranty period and till the issuance of Final Acceptance Certificate (FAC) by the ultimate consignee.
- 2.5.6 The period of fault in the equipment will be excluded from the warranty period.

### **3. MINIMUM ELIGIBILITY CONDITIONS FOR EVALUATION CRITERION OF BIDS & BIDDERS**

Invitation to submission of sealed bids is open to all OEM's (Original Equipment Manufacturers), their authorized dealers/partners in Pakistan as well as it is open for the firms, suppliers, joint ventures (JVs) & potential bidders who have enough experience of relevant work and meet the following conditions:-

- 3.1 Have relevant experience of technical staff in supply & installation of such equipments/items both in public sector & private sector within Pakistan (excluding items at serial No. 6 & 7 in table above).
- 3.4 Registered with taxation departments of Pakistan as active taxpayers. NTN number must be mentioned legibly. The firm will be bound to provide current and previous bank statements of his accounts and audit reports along with the quotation.
- 3.5. Bidder should provide undertaking on Judicial Stamp paper worth minimum Rs.200 of following as per Performa attached at **Annex-D**. Before participating in bidding process the firm has read all clauses of this tender documents carefully and if firm agrees with all clauses only then submit bidding documents with sign and company stamp mentioning below that:
  - a. Firm is financially sound enough; project will not be delayed/failed due to lack of finance.
  - b. Offered equipment is of latest version.
  - c. Technically qualified bidder's financial position must be strong enough to procure the tendered equipment and technically capable to supply and install as per requirement of PBC. Under any circumstances the supply shall not be delayed due to dearth of bidder's financial position as well as due to his technical inability. The bidder shall also guarantee in the affidavit that he is financially and technically capable to resolve the discrepancies in the equipment and can replace with brand new equipment, keeping the faulty one at site.



- d. The bidder under takes that he himself & his firm not involved in corrupt & fraudulent practices as described in PPRA rule 2004 clause 2 sub clause(f)
  - e. In case bidder deviates from any commitment made in his technical proposal/offer, then his bid security will be forfeited & may be debarred/cross debarred for reasonable time.
  - f. The bidder will not be liable to raise any objection on the terms & conditions of bid document as stated in **clause-5 below**.
- 3.6 In case of OEM intends to participate, it must be registered with relevant (FBR) taxation and registration authorities of Pakistan with registered offices.
  - 3.7 The equipment/brands that are already operating in PBC will be evaluated on the base of equipment's performance certificate obtained from the concerned unit through C (M&O) and responsiveness of supplier/bidders will be evaluated on the base of responsiveness with procurement cell as well as response to the end user/C (M&O).
  - 3.8 Prospective Bidder must provide Valid Documentary proof against serial Nos. 3.1 to 3.8 along with the bid. Non-Submission of any of above document will lead to consideration of a firm as NON-RESPONSIVE (As per rule # 13 PPRA Rules 2004) and Sub-sequent NON-CONSIDERATION for the evaluation.
  - 3.9 The bidders may quote the equipment in USD and/or PKR in their proposals whereas the final price/quotation will be locked @ USD rate on the time & date of agreement which will be converted into Pakistani rupees (which may be negotiable) for payment at the completion of task in accordance with the PPRA rule clause #30 (2). This will be negotiated at the time of agreement with the successful bidder keeping in view the volatility of dollar rate.
  - 3.10 In case any bidder quotes in both (USD & PKR), PBC will consider the lower rate (which may be negotiable) i.e. whichever shall be beneficial for PBC.
  - 3.11 Affidavit For Government Owned Legal Entities: In case the Bidder is a government owned legal enterprise or institution, such Bidder must establish that it is legally and financially autonomous and operating under commercial law. Bidder that is a government owned legal enterprise or institution shall submit their MOU & Article of Association to ascertain its legal standing.
  - 3.12 The firm/company supervised by Govt. officials/state owned organization will be preferred in order to avoid lapsing of PSDP funds. In such case funds could be transferred in advance being at no risk in the pattern of PWD.

#### **4. COST OF TENDERING**

The bidder shall bear all costs associated with the preparation and submission of its bid and the PBC will, in no case, be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

#### **5. CLARIFICATIONS OF BIDDING DOCUMENTS**

- 5.1 A prospective bidder requiring any clarification(s) regarding technical & commercial aspects of tender document may notify to DC (Procurement) PBC. The concerned officer from PBC Procurement cell will respond to any request for clarification, which should be received well before (approximate 05 working days or more) to the deadline for the submission of bids. Copies of PBC's response will be forwarded to all prospective bidders

(if not already clarified in the tender/ RFP). (**As per of PPRA RULE 2004 clause 31**)

- 5.2 If any bidder may require any clarifications to queries regarding the clauses of the bidding documents or he has any objections in bidding documents' clauses, he must discuss in detail at least 05(five) days before opening of tender/bids (preferably 5 days before cutoff date). No objections will be accepted regarding bidding documents' clauses raised by the successful bidder will be entertained after technical bids opening as stated **PPRA Rule 2004 clause-48 part 3 & 5**. In case a bidder raises objections after declared as successful bidder and does not proceed to sign the agreement with PBC by raising objections in the TOR of tender document in compliance with **PPRA rule 2004 clause 30 part (3)**, in that case bid security of successful bidder will be forfeited and he will be barred for future participation in PBC tenders.

## **6. AMENDMENT OF BIDDING DOCUMENTS**

- 6.1 At any time prior to the deadline for submission of bids, PBC may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by issuing addendum/amendment in accordance with **PPRA Rule 2004 clause 31**.
- 6.2 Any addendum/amendment thus issued shall be part of the bidding documents. To afford bidders reasonable time in which to take an addendum into account in preparing their bids, PBC may at its discretion extend the deadline for submission of bids.

## **7. PREPARATION OF BIDS**

- 7.1 Bids should be prepared considering “Single Stage-Two Envelope “procedure.
- (i) The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
  - (ii) The envelopes shall be marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion.
  - (iii) Initially, only the envelope marked “TECHNICAL PROPOSAL” shall be opened publicly at a time, date and venue announced in tender Notice.
  - (iv) The envelope marked as “FINANCIAL PROPOSAL” shall be retained in the custody of the procuring agency without being opened.
  - (v) The procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements.
  - (vi) During the technical evaluation no amendments in the technical proposal shall be permitted as described in PPRA rule 2004 Clause-30.
  - (vii) The financial proposals of bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance.

7.2. **Firms /bidders are required to submit a Technical proposal and a Financial Proposal as specified below:**

**7.2-(a) TECHNICAL PROPOSAL PREPARATION:**

The Firms/bidders are expected to provide the Technical Proposal as specified in the RFP Document. Material deficiencies in providing the information requested may result in rejection of a proposal. The Technical Proposal shall contain the following documents:

- (i) Letter of Technical Proposal Submission.
- (ii) Profile and Track Record of the Firm/ bidder.
- (iii) An undertaking on the letterhead of the participating bidder/firm or Agency and signed by an authorized signatory, that the bidder/Firm will undertake the assignment, in accordance with the Scope of Work detailed in the RFP document and at the cost submitted by the bidder/ Firm in the financial proposal (the cost is not to be indicated in the undertaking). The above undertaking submitted by the Firm/ bidder would be binding on the participating bidder /Firm or Agency.
- iv) The Technical Proposal shall not include any financial information.
- v) Bidder must submit detailed unambiguous specification of offered equipment.

**7.2-(b) FINANCIAL PROPOSAL PREPARATION OF BID:**

In preparing the Financial Proposal, participating Bidder / Firms or Agencies are expected to take into account the requirements and conditions outlined in the RFP document. Letter of Financial Proposal should include:

- (i) Complete cost of the project with break-up of costs for each of the items of work listed in the Scope of Work is to be submitted as per **Annexure-E**.
- (ii) The cost quoted will be firm & fixed for the duration of performance of the contract. At no time will any bidder's deviation from quoted rate be entertained by PBC.
- (iii) The Financial Bid shall not include any conditions attached to it and any such conditional financial proposal shall be rejected summarily.

7.3. The original proposal (Technical Proposal and Financial Proposal) shall be prepared in indelible ink. It shall contain no interlineations or overwriting, except as necessary to correct errors made by the firm itself. Any such corrections must be authenticated by the persons or person who sign(s) the proposals.

7.4 The Financial Proposal should be placed in a sealed envelope and superscribed.

7.5 If the Financial Bid is not submitted in a separate sealed envelope duly superscribed as indicated above, this will constitute grounds for declaring the Bid nonresponsive

- 7.6 Both the sealed envelopes should be put into an outer envelope and sealed. The outer envelope shall be superscribed "Technical & Financial Proposal"
- 7.7. After the evaluation report of BEC about the technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically qualified bids only. The procuring agency will follow **the PPRA RULE 2004 clause # 48 sub clause # 3**. The financial proposals of bids found technically nonresponsive shall be returned un-opened to the respective bidders.

## **8. LANGUAGE OF BID DOCUMENTS**

- 8.1 Bid documents and all correspondence will be in English language.
- 8.2 The bid should have a covering letter on printed letter pad of the firm. All pages of the bid shall be initiated/signed and official seal be affixed by the person(s) authorized to sign.

## **9. PRICE**

- 9.1 Prices against the BOQ may be quoted in Pak Rupees as well as in USD as per Annex-A as stated at clause **3.9**.
- 9.2 The price should be inclusive of all installation material plus installation cost.
- 9.3 The price quoted should be firm, final, and clearly written/typed without any ambiguity.
- 9.4 The price should include all the applicable government taxes, duties, freight charges and insurances both local & offshore etc.
- 9.5 The rates / prices shall be entered against each item in the Bill of Quantity (BOQ) as per **Annex-A**. Any item against which no rate or price is entered and left blank by the bidder shall be deemed covered by the bidder in the offered price/cost.
- 9.6 The bidder shall be deemed to have obtained all information as to all the requirements there to may affect the bid price.

## **10. TENDER SECURITY / EARNEST MONEY/BID SECURITY:**

- 10.1 The bidder shall furnish tender security equivalent to **2%** of the total value of bid in the form of Cash Deposit Receipt (CDR) issued by a scheduled bank of Pakistan.
- 10.2 The Bid security CDR shall be enclosed in the sealed financial envelope and also a photocopy of the bid security CDR must be attached in the technical bid envelope by hiding bid amount.
- 10.3 Any bid not accompanied by bid security shall be rejected by the PBC as non-responsive bid.
- 10.4 The bid securities of the un-successful bidders will be returned after award of contract to the successful bidder .The bid securities of bidders, who are not in competition, can be returned earlier at PBC's discretion upon receiving a request.
- 10.5 The bid security of the successful bidder will be returned when the bidder furnishes the required Performance Guaranty/ Security and signed contract agreement.
- 10.6 All correspondence regarding release/extension of bid security shall be made with Deputy Controller (Procurement) PBC HQ Islamabad.

### **10.7 The bid security may be forfeited:**

- i. If a bidder withdraws his bid after the cut-off time mentioned in the bid.**
- ii. If the bidder does not accept the correction of his bid price.**
- iii. In case of successful bidder, if he fails to furnish the required performance**

**guarantee or not sign the contract agreement.**

- iv. **If a bidder does not respond to clarifications called by PBC.**
- v. **If bidder deviates from his/her proposal/offer.**
- vi. **If the bidder raises queries/objections/clarifications in the bidding documents after opening of technical bids causing wastage of PBC's time and causing delay in tender processes.**

#### **11. VALIDITY OF BIDS (As per PPRA rule clause 26)**

- 11.1 Bid shall remain valid for a period of **180** days from the date of technical tender opening.
- 11.2 Bidder must mention validity of 180 days in his proposal on his company's letter head. The bid validity mentioned different in the financial bid will be simply ignored & bid validity mentioned in the bid will be considered because the financial bid is opened when a bidder is declared qualified on the basis of technical proposal.

#### **12. DEADLINE FOR SUBMISSION OF BID**

- 12.1 The bid shall be delivered in person or sent by the registered mail which should reach the office of Deputy Controller Procurement Cell Room # 214, second floor; PBC HQ, G-5 Islamabad till 11:30 a.m. on 28-02-2023(Tuesday) **and bids will be opened at 12:00 noon on the same day in accordance with PPRA Rule clause 28.**
- 12.2 Sealed bids should be submitted at the office of Deputy Controller (Procurement) PBC HQs on or before the prescribed time on given date.
- 12.3 Bid should be submitted in sealed envelope having necessary information regarding tender notice and warning message "**DO NOT OPEN BEFORE 28-02-2023at 12:00 noon.**"
- 12.4 No open, e-mailed or faxed bid will be accepted.
- 12.5 Any bid received by the PBC concerned officer after the date and cutoff time of tender opening, will be returned unopened to such bidder.

#### **13. MODIFICATION & WITHDRAWAL OF BID**

- 13.1. Any bidder may modify or withdraw his bid after bid submission provided that written notice of the modification or with-drawl is received by the concerned officer prior to the deadline for submission of bids.
- 13.2 No bid may be modified or withdrawn by a bidder after the deadline for submission of bids.

#### **14. OPENING OF BIDS (in accordance with PPRA Rule clause 28)**

- 14.1 The PBC tender committee will open the technical bids at **12:00 noon** on dated:**28-02-2023**in the presence of bidder representatives at PBC HQ G-5 Islamabad whereas the financial bids will be retained by PBC. The financial bids of technically qualified bidders will be opened later. The financial bids opening schedule will be conveyed accordingly.
- 14.2 The bidder's name, brand name / model, bid prices, presence or absence of tender security, and such other details as the committee at its discretion may consider appropriate, will be announced loudly during tender opening.
- 14.3 The tender committee will resolve any issue raised by the bidders, on the spot.
- 14.4. The tender committee reserves the right to reject any one or all bids prior to acceptance of a bid / proposal.

**15. RESPONSIVENESS OF BIDS (for technical opening)**

- 15.1 The bid security is submitted
- 15.2 The bid is valid as per bid validity of bidding documents/RFP
- 15.3 The bid prices are firm, during its validity and inclusive of all taxes, duties etc.
- 15.4 Completion period offered is within specified limits.
- 15.5 The bidder is eligible to tender and possesses the requisite experience
- 15.6 The bid does not deviate from basic technical requirements
- 15.7 The bid is generally in order etc.

**16. EVALUATION CRITERION (in accordance with PPRA Rules Clause 29 & 30)**

- 16.1 Prior evaluating the proposals, the eligibility conditions of incumbent bidders will be evaluated according to clause # 3 & any firm found non-compliant will not be considered for further evaluation proceedings.
- 16.2 After evaluating the eligibility conditions, proposals will be evaluated both on technical & financial grounds (as per PPRA Rules Clause 30). For this purpose bidder data mentioned in technical compliance statement will be compared with the technical literature & clarification will be sought in case compliance is not evident from the literature. After successful compliance with the technical specifications and terms & condition (**Annex-A & C**), The BEC will submit report regarding qualified & non-qualified bidders. The conclusion of report will be sent to all participant bidders in the light of PPRA Rule 35 in line with PPRA Rule 48 sub clause (3). Any technical proposal which does not conform to the technical specs (Annex-A) will be rejected by BEC.
- 16.3 Contract will be awarded to technically qualified **financially most advantageous bid** vide **S.R.O. No. 442(1)/2020 dated 15<sup>th</sup> May, 2020 as per PPRA rule clause No. 38.**
- 16.4 Moreover, it will be examined in detail whether the bids comply with the commercial / contractual conditions of the bidding documents.
- 16.5 The cost of making good any deficiency resulting from any quantifiable variations and deviations from the tender schedules and conditions of the order, as determined by the PBC will be added to the corrected total bid price for comparison purpose only. Adjustment for commercial compliance will be added to the corrected total bid prices. Adjustment factor will be calculated by committee as deemed appropriate.

**17. CORRECTIONS OF BID PRICE PROCEDURE**

- 17.1 To assist in the examination, evaluation and comparison of the bids the BEC at its discretion, may ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.
- 17.2 Arithmetical errors will be rectified on the following basis:
- 17.3 If there is a discrepancy between unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and total price shall be corrected. If there is a discrepancy between the words and figures the amount in words shall prevail. If there is a mistake in addition / totaling that will be corrected.
- 17.4 If the bidder does not accept the corrected amount of bid, his bid will be rejected and his tender security will be forfeited.

**18. COMMERCIAL COMPLIANCE STATEMENT**

18.1 The bidder will furnish a compliance certificate with the bid as per enclosed format (Annex-F). The fields of the compliance certificate Performa must be filled appropriately by the bidder with proper reference given in the technical documents.

**19. VARIATION ORDER**

19.1 PBC reserves the right to place variation order (increase or decrease in the quantities of BOQ. The contractor shall be bound to accept the variation order by PBC.

**20. AWARD CRITERIA & PBC'S RIGHT**

**20.1 Evaluation of the Proposals**

20.1 On expiry of the date for submission of the Proposals, the evaluation process will begin. The bids shall be evaluated using 'Quality and Cost Based Selection' method of PPRA whereby the bidder securing the highest weighted marks as per the prescribed Technical and Financial Criteria and if the proposal found to be responsive shall be declared as the successful bidder and the others shall follow accordingly. Technical Proposal marks shall be given 80% weightage and Financial Proposal marks shall be given 20% weightage. The bidder needs to secure at least 70% marks in the Technical Proposal to be considered as an eligible bidder for the opening of its Financial Proposal. Accordingly, the date for opening of Financial Proposals shall be communicated to the eligible bidders and the Financial Proposals of the non-eligible bidders shall be returned unopened.

20.2 The contract will be awarded to substantially responsive most advantageous evaluated bidder, provided that such bidder has been determined to be qualified to satisfactorily perform the order.

20.3 The PBC reserves the right to accept or reject any bid, and to annul the tendering process and reject all bids, at any time prior to acceptance of bid and signing of contract agreement without thereby incurring any liability to the affected bidders or any obligation to inform the affected bidders of the grounds for the PBC's action as per PPRA Rule 2004 clause#33.

Muhammad Rafiq  
Deputy Controller  
(Procurement Cell)  
Ph. # 051-9215822-4

**TERMS AND CONDITIONS OF CONTRACT****1. PERFORMANCE GUARANTY ( PPRA clause 39)**

- 1.1 The successful bidder shall furnish to the PBC a performance guarantee (**PPRA Rule clause 39**) equivalent to **10%** of the total ordered value, in the shape of CDR issued from any scheduled bank of Pakistan valid for the entire warranty period starting from the date of signing of contract and will remain valid till the issuance of Final Acceptance Certificate (FAC).
- 1.2 The performance guarantee shall be further extended accordingly if the delivery is delayed.
- 1.3 Failure of the successful bidder to furnish acceptable performance shall constitute sufficient grounds for the annulment of the award and forfeiture of the performance security.
- 1.4 The performance guaranty will be forfeited if:
- a) If the successful bidder/ contractor becomes defaulter/insolvent or deviates from any other obligation and not able to deliver the equipment as a whole or partially and equipment is delivered but not able to install, commission and test the equipment as per PAT and consequently PAC is not issued by end-user.
- b) In case the equipment is delivered, installed & commissioned, PAT & PAC issued then performance guaranty/security will be retained for the entire warranty period. The performance guaranty/security will be forfeited when the performance during the warranty period not satisfactory.
- 1.5 All the correspondence regarding release of performance guarantee shall be made with Deputy Controller (Procurement) PBC HQ.

**2. CONTRACTOR'S RESPONSIBILITIES**

- 2.1 The contractor shall supply the equipment in accordance with the contract & responsibility matrix.
- 2.2 The contractor shall not subcontract the whole of the works. The contractor shall not subcontract any part of the works without the consent of PBC/ purchaser.

**3. TRANSPORTATION / PACKING**

All types of transportation for delivery of equipment at final destination (as required by PBC) will be the responsibility of the contractor. Contractor shall ensure proper / international packing of equipment to avoid deterioration of equipment etc.

**4. TIME FOR COMPLETION/DELIVERY:**

- 4.1 The contractor shall supply, install, test and configure the equipment within 60 days or earlier from the date of signing of contract; however incumbent bidder must also specify the timelines in which he can execute the whole work. The timeline can be finalized by mutual consent of both parties.
- 4.2 If the contractor fails to execute the work within the agreed time, or unless the delay in completion is due to force majeure as mentioned in clause # 11 below of this tender document, the contractor's only liability to the PBC for such failure shall be to pay an amount equivalent to 0.167% of contract value per day but maximum to 10% of total contract value.



- 4.3 If the delivery of the equipment is late due to any conditions which come under the force majeure, then the contractor will have to submit a CDR of equal amount of the contract value to avoid the lapse of PSDP funds and to make the payment to the contractor in advance through AGPR.
- 4.4 The bidders/participants who are state owned/supervised by Govt. officials (mentioned in their company MOU) may not submit a CDR of equal amount of contract value in order to avoid lapse of PSDP funds (as PBC is operating with PWD).

5. **WARRANTY /SERVICES:**

5.1 **GENERAL**

Bidder warrants and guarantees to purchaser, its successors and assigns that the goods and services covered by the Contract will:

- (a) Conform to the applicable specifications and other descriptions;
- (b) Be sufficient and suitable for Purchaser/Buyer's intended purpose.
- (c) Be of good material and workmanship; and be free from defect & brand new. Seller's responsibility under this warranty shall include without limitation, all parts, labor and transportation cost in the event the goods must be returned to bidder for repair or replacement. The warranty means the warranty that OEM gives in his website and/or brochure for the equipment quoted.
- (d) The Purchaser/Buyer will notify the seller/bidder in writing of any claims arising under the warranty period and seller/bidder will repair/replace the defective store within 48 hours or earlier without any cost effect to purchaser.
- (e) The bidder, for technical assistance at the highest level shall provide high-level support/technical assistance on 24/7 bases during the warranty period.

5.2 **WARRANTY REMEDIES**

If any goods or services fail to conform to the warranties during the applicable warranty period, bidder/Seller will service, adjust or replace any non-conforming goods or re-perform non-conforming services at no charge to purchaser/Buyer as soon as possible upon written notice from purchaser. For goods installed by Seller/ bidder, on-site repair, limited to servicing, adjusting or replacing part(s), will be performed at no additional cost to Buyer/Purchaser. For the goods installed by Buyer/Purchaser, non-conforming goods shall be returned by Buyer to Seller, at Seller's cost, and repaired or replacement parts shall be shipped by Seller to Buyer, on D.D.R (Incoterms). The removed store/spare by the Buyer to be returned to Seller for repair or replacement and the installation by Buyer of replacement or repaired parts shall be at Seller's expense.

5.3 **REMEDIES AND DAMAGES**

In addition to Seller's obligations described in Section 5.1 if any goods are reasonably determined to fail to conform to the warranties set forth in this Contract, Seller shall reimburse Buyer for all reasonable losses, costs and damages caused by such nonconforming goods. Such costs and damages may include, without limitation, costs, expenses and losses of Buyer and/or its customers arising from production interruptions or slowdowns.

6. **PROVISIONAL ACCEPTANCE CERTIFICATE (PAC)**

- 6.1. The contractor/ seller will inform PBC procurement cell as well as the end user about 15 days prior to the delivery of equipment at site essentially required to obtain necessary approvals and completion of processes procedure as per SOP within PBC.
- 6.2. The contractor will deliver the equipment as per check list (as per BOQ) at the site and handover the equipment accordingly & will obtain signed and stamped delivery note from end user (a copy of which shall be sent to Deputy Controller Procurement Office). Detailed inspection is responsibility of end user & only satisfactory receiving of equipment may be taken over and same may be conveyed to procurement cell than the contractor may be allowed for installation & testing of equipment as per agreement.
- 6.3. Upon satisfying itself that installation and testing of the equipment undertaken by the contractor is complete in all respects, the contractor will inform in-writing to Deputy Controller Procurement PBC, HQ Islamabad for Provisional Acceptance Test (PAT). The Deputy Controller (Procurement) will ask Controller (P&D) to conduct the PAT with the approval of Director (P&D) PBC HQs. The installed equipments will be verified and all the tests will be carried out in accordance with approved PAT documents provided by the Contractor or available with the P&D wing. The successful bidder will arrange to provide the PAT documents and factory test report & other requirements mentioned in special conditions provided by ultimate consignee attached at **Annex C** within 15 days prior to delivery of the equipment. The PAT will be conducted in accordance with approved/vetted PAT documents from Director (P&D), PBC HQs. The PAT team will sign Provisional Acceptance Test Certificate after successful completion of Test. After successful conduct of PAT & on the base of PAT committee report, Controller (Procurement) PBC HQs will accept the PAT as successful.
- 6.4. The Ultimate Consignee will issue PAC after continuous thirty days (30) satisfactory performance of the installed equipments which will start with the successful completion of PAT.
- 6.5. In case Provisional Acceptance Certificate is not issued within two (02) weeks by end user, after completion of 30 days PAC period, upon the contractor's written request to this effect end user (Incharge) shall inform in-writing of the specific reason(s) for not issuing PAC. Furthermore, the ultimate consignee will notify the contractor that the work is not fully complete and contractor will rectify the discrepancies. PAC will be issued by P&D wing 30 days after satisfactory testing of equipment at site.

7. **TERMS OF PAYMENT**

- 7.1. Payment of contract price shall be made in completion of the task after 30 continuous days' satisfactory performance & issuance of PAC by the ultimate consignee (in accordance PPR **Rule clause 39**).
- 7.2. Payment will be done on the delivery of the equipment at the site in phases on the directions and requirement of the PBC management (as this is a PSDP project and the payments/funds are received from AGPR).
- 7.3. All the payments shall be made through cross Cheque in Pak Rupees.
- 7.4. Taxes will be deducted as per government rules at the time of payment.

8. **FINAL ACCEPTANCE CERTIFICATE (FAC)**

The contractor may notify the PBC concerned officer (unit/site) at-least 15 days before the expiry of warranty period for the issuance of final acceptance certificate. Upon such notification from contractor, the PBC concerned officer (P&D wing) will issue Final Acceptance Certificate in favour of contractor subject to satisfactory completion of warranty period within 30 days as per requirement of contract. Alternatively the PBC concerned officer (end user/ultimate consignee) will notify the contractor for the discrepancies that still remain un-resolved and contractor will rectify the discrepancies.

9. **DEFAULT BY CONTRACTOR**

9.1 If the contractor fails to supply the equipment, refuses or fails to comply with a valid instruction of the PBC, the PBC (Procurement Cell) may give notice stating the default.

9.2 If the contractor has not taken all practicable steps to remedy the default within 14 days after receipt of PBC notice, the PBC's competent authority may by a second notice cancel the order and performance security will be confiscated.

10. **ARBITRATION AND AMICABLE LAW**

10.1 The Contract will be construed under and governed by THE LAWS OF THE ISLAMIC REPUBLIC OF PAKISTAN.

10.2 PBC procurement cell and the Contractor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

10.3 Any dispute, disagreement or question arising out of or relating to or in consequence of the contract or relating to its execution or performance which cannot be settled amicably, shall be referred to arbitration to Director General (DG) PBC. Only DG PBC will have sole authority in arbitration to decide.

11. **FORCE MAJEURE**

11.1 The Contractor shall not be liable for forfeiture of its performance guaranty/ security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.

11.2 If either party is temporarily rendered unable, wholly or in part by Force Majeure to perform its duties or accept performance by the other party under the Contract it is agreed that on such party, giving notice with full particulars in writing of such Force majeure to the other party within 14 (fourteen) days after the occurrence of the cause relied on, then the duties, of such party as far as they are affected by such Force Majeure shall be suspended during the continuance of any inability so caused but for no longer period and such cause shall as far as possible be removed with all reasonable speed. Neither party shall be responsible for delay caused by Force Majeure.

11.3 The terms "Force Majeure" as used herein shall mean Acts of God, strikes, lockouts or other industrial disturbance, act of public enemy, war, blockages, insurrections, riots, epidemics,



PPRA Rule 2004 clause # 2 sub clause (f), part i, ii, iii, iv &v.

- d. Submission of false and spurious documents, making false statements and allegations to gain undue advantage.
  - e. Commission of fraud.
  - f. Contractor abandons the contract.
  - g. Contractor without reasonable excuse fails to commence the work 'or' suspends the progress of work for 14days.
  - h. Contractor is not executing the work in accordance with the contract or is persistently or flagrantly neglecting to carry out his obligations under the contract.
  - i. Commission of embezzlement, criminal breach of trust, theft, cheating, forgery, bribery, falsification or destruction of records, receiving stolen property, false use of trademark, securing fraudulent registration with sales tax authorities, Pakistan Engineering council etc. giving false evidence, furnishing of false information of serious nature.
  - j. The bidder submit the claims, accept & comply the bidding documents only to get himself qualified but after announcement of qualified bidder by procurement cell, delays the proceedings by one way or other or refuses to comply as per bidding documents.
- 15.2 DG PBC will constitute a committee comprising of three PBC officers and they will investigate the matter in connection with allegation of corrupt, fraudulent, coercive or collusive practices or illegally harassment or threat. Moreover, the committee shall also accord adequate opportunity of being heard to the contractor who is to be debarred / blacklisted. The said committee will forward its clear recommendations for the approval of DG PBC.
- 15.3 The debarment shall be for a reasonable specified period of time, commensurate with the seriousness of the cause as defined in PPRA RULE 2004 clause 19 amended on 28<sup>th</sup> June2021.
16. **REPEAT ORDER**  
Repeat Order may be placed in accordance with Public Procurement Rules 2004.

| S/No. | Technical Specification for Electronic Equipment  |
|-------|---|
| 1     | <b>Solid State FM Stereo Analog Plus Digital Broadcast Transmitter:</b>   |
|       | <ul style="list-style-type: none"> <li>• Transmission standard must conform DRM-FM compatibility standard.</li> <li>• Complete system must be installed in an <b>OEM rack</b> (Local rack not acceptable), <b>if Modular</b>, otherwise no rack required.</li> </ul>  |
|       | <p><b>Audio Processor</b> must be provided with the system (DSP Multiband), built-in preferred, but separate unit can be offered.<br/>         6 AGC sections (5 multiband + wide-band), 5-band, time aligned limiters,<br/>         Dynamics Engine architecture,<br/>         the latest low distortion clipper design<br/>         Frequency Response: 30 Hz to 15 kHz SNR: Audio &gt;95 dB analog<br/>         Input / Output: L&amp;R Stereo XLR-3, balanced</p> |
|       | Complete FM system must comply <b>ETSI ES 201 980 V4.2.1 standards &amp; ITU Regulations</b>  |
|       | RF Output frequency range must be <b>VHF Band II, 87.5 - 108.0MHz</b>   |
|       | Exciter must be <b>Direct digital Synthesis</b> , direct-to-channel modulator   |
|       | System must be <b>hardware based controlled architecture</b> to avoid low reliability   |
|       | FM Modulation Capability default <b>75 kHz to 200 kHz</b> channel   |
|       | VSWR Up to <b>1.5:1</b> , Protected against sudden short and open circuit conditions  |
|       | RF Harmonics Suppression meets all <b>FCC/ITU/ETSI</b> requirements   |
|       | Audio Inputs must be AES, L&R analog, composite, SCA/RBDS/RDS external generator input, SCA audio inputs<br>AC Input Voltage is <b>180-260 VAC</b> (Power Supply unit must be plug-n-play for fast replacement in case of failure)  |
|       | RF Output Impedance must be <b>50 ohms</b> unbalanced   |
|       | Linear Crosstalk <b>&gt;70 dB</b> below 100% modulation reference   |
|       | <b>Full remote control</b> capability including, Web-based GUI, SNMP, Extensive Fault, Warning and Operational parameter logging  |
|       | Humidity Range comply <b>0% to 95%</b> non-condensing   |
|       | Temperature ranges <b>-10 degrees to +50</b> degrees °C   |
|       | RF Output Connection <b>DIN</b>   |
|       | SNR must comply <b>80 dB</b> below 100% modulation  |
| 2     | <b>COMPATIBLE ANTENNA SYSTEM:</b>   |
|       | Material: Hot dipped galvanized <b>Stainless Steel</b>  |
|       | <b>4 dipole</b> antenna system  |
|       | DIN Connector   |
|       | Impedance <b>50Ω</b>  |
|       | VSWR <b>&lt;1.3</b>   |
|       | Frequency range <b>87.5 – 108MHz</b>  |
|       | Maximum input power <b>2.5KW</b>  |
|       | Wind velocity <b>160 – 225Km/h</b>  |
|       | Proper <b>grounding kit</b> must be provided  |
|       | <b>Gain 2.25db</b> per dipole (ref. to Half-wave dipole)  |
|       | Polarization Vertical   |
|       | Branded (Imported) and high quality <b>Transmission line</b> (RF Cable)   |

|          |   |
|----------|---|
|          | High quality <b>RF connectors</b> must be provided (Imported)   |
| <b>3</b> | <b>DISH, RECEIVER &amp; COMPLETE ACCESSORIES</b>  |
|          | Parabolic dish antenna (for C-band downlink)  |
|          | Dish Receiver (MPEG-2/4) with remote  |
|          | Universal LNB   |
|          | Cable and connectors  |
| <b>4</b> | <b>Guywire Antenna Tower/Mast With Arch Protector &amp; Hollow Light For FM</b>   |
|          | 250 feet Tower 18” face width top to bottom triangular (Climbing steps 0.5-inch diagonal size solid round steel “Z” bracing type all three sides A+B+C) |
|          | Pipe gauge = 14 SWG and diameter = 1.5 in, 200 feet high  |
|          | Guy wire will be of steel structure with diameter = 10mm  |
|          | Tower, Guy wire and other material hardware must be hot dip galvanized  |
|          | Civil work of Mast with base plate 2x2 feet and galvanized anchor bolt and guy anchor’s foundation as per standards.                                    |
|          | Two warning lights (branded), auto Sun switch with cable connection   |
|          | Grounding as per standards with copper strips 20mm filling with proper chemicals (Coal, limestone)  |
|          | A lightning arrester with complete grounding as per standards   |
|          | Tower should withstand wind speed of 100 miles/hr.  |
|          | The tower should be properly vetted by mechanical structural engineer as per internationally recognized TIA/EIA-222 standards                           |
|          | Tower should be able to hold weight of at least three FM antennas   |
|          | Condition of Land and soil (vendor must survey the site before submission of bid)   |
|          | Base wind speed of 100mph   |
|          | Deflections calculated using wind speed of 100mph   |
|          | Weld together tower sections have flange connections  |
|          | Connections using galvanized bolts, units. Installations as per specifications  |
|          | Tower members are “hot dipped” galvanized   |
|          | Pressures are calculated at each section  |
|          | International standard safety factor used in guy design   |
|          | Grounding as per standard   |
| <b>5</b> | <b>EARTHING SYSTEM FOR MAST</b>   |
|          | Complete Earthing set comprising 3 ½ feet copper rod electrode G.I Pipe bare copper Conductor with Earthing as per site requirement.                    |
|          | Foundation Pad  |
|          | As per site requirement.  |
| <b>6</b> | <b>COMPUTER WITH ACCESSORIES</b>  |
|          | Core i7, 8-GB RAM   |
|          | Windows-10  |
|          | 512-GH Hard Disc SSD  |
|          | 21” LCD/LED Display Monitor   |
|          | Dual Audio Card   |
|          | 0.5 KVA UPS   |

**ANNEXURE-A2**

| S.No. | Technical Specification for Electrical Equipment  |
|-------|---|
| 1     | <b>UPS 10KVA</b>  |
|       | Power : 10KVA/9KW   |
|       | Runtime : 10m   |
|       | Input Connection : Hardwired  |
|       | Input Voltage : 1ph 220/230/240Vac, -20/+10% 50/60 Hz                                     |
|       | Output Connection : Hardwired   |
|       | Output Voltage : 220/230/240Vac 50/60 Hz single-phase                                     |
|       | Dimensions (WxDxH) : 305x730x817 mm   |
|       | Nett weight 170Kg   |
|       | Maintenance Plan : 4 Clock hours, 8 and 12 working hours, remote monitoring               |
|       | Efficiency at full load : & gt;= 95%  |
|       | Waveform type : Sinewave  |
|       | Battery Type : VRLA   |
|       | Expected Battery Life : 3 to 5 years  |
|       | Recharge time : 5 hours   |
|       | Interface port (s) DB-9 RS-232 Smart Slot   |
|       | Control Panel Multifunction LCD Status and control Console                                |
|       | Emergency Power OFF (EPO) system  |
| 2     | <b>DIESEL ELECTRIC GENERATOR 20-KVA</b>   |
|       | 20 KVA, 400 V, 1500 RPM   |
|       | AVR delivers non-fluctuating power  |
|       | 12-volt electric starter ensures easy starting, Japanese or equivalent origin dry battery |
|       | Brushless, self-excited constant voltage (AVR)  |
|       | 3 cylinder water cooled Diesel engine   |
|       | Three phase output  |
|       | Digital Control Panel, low oil pressure system  |
|       | Low water cut out engine protection   |
|       | <b>General Data</b>   |
|       | Prime Power (P.R.P): 20 KVA , Power factor / COS: 0.8                                     |
|       | Frequency: 50 HZ Voltage : 400 V  |



|   |   |
|---|---|
|   | Phases : Three Phase  |
|   | Engine speed: 1500 RPM  |
|   | <b>Engine Data</b>  |
|   | Type: Three cylinder: vertical, four stroke, water cooled   |
|   | Starting system: 12 Volt Electric Starter.  |
|   | Fuel Type: Diesel   |
|   | Low Pressure Alert: Yes, Low Fuel Cutout: Yes   |
|   | Economical fuel consumption   |
|   | <b>Control Panel:</b>   |
|   | Type: Digital   |
|   | Main Phase Voltage: Yes   |
|   | Main Line Voltage: Yes  |
|   | <b>Alternator:</b>  |
|   | Pole Number: 4  |
|   | Excitation Mode: Self Excitation  |
|   | <b>Additional:</b>  |
|   | Ambient temperature design 50 C   |
|   | Running Time (p/tank): 8 @ full load  |
|   | Structure Type: Silent, Noise Level (7m): 60-65 dBA   |
|   | Auto Voltage Regulator: Constant voltage AVR  |
|   | Easy Maintenance, Auto protection.  |
|   | <b>Canopy:</b>  |
|   | All-weather steel canopy with heavy duty skid steel base  |
|   | Extremely quite operation   |
|   | Environment friendly  |
|   | <b>Auto Transfer Switch</b>   |
|   | Auto transfer switch with manual changeover option  |
|   | AMF/ ATS with M.O.R (manual override) panel for auto start/ stop of Generator sets Within 10 seconds along with manual override and mechanical over locking. (Including Battery charger, phase failure relay, under/ over voltage protection, power relay, indication lights, emergency stop, control wiring, cubical powder coated with lock and key, removal base plate, copper bus bar, earthing connectors) |
| 3 | <b>AVR 10KVA</b>  |
|   | Control and maintenance unit with microprocessor based boards   |
|   | Safe use for all the sensitive electrical devices   |
|   | Wide Voltages Window  |
|   | Voltage tolerance +/- 1 %   |
|   | Static design with Thyristor technology   |
|   | Compact design, high efficiency   |
|   | LCD front panel   |
|   | CONTACTOR unit for LOW – HIGH voltage at output and for the first opening delay   |
|   | Production with ISO-9001 Quality Management   |

|   |   |
|---|---|
|   | 10 years spare part warranty                                    |
|   | Technical service support                                       |
|   | Input single Phase +N+GND                                       |
|   | VA Rating 10KVA   |
|   | Input Voltage Range 160V ac-250V ac                             |
|   | Regulation Mechanism Servo Motor Controlled                     |
|   | Output Voltage 220V AC  |
|   | Voltage precision =+-3%   |
|   | Frequency 50Hz  |
|   | Over voltage protection output voltage 250V +- 5V               |
|   | Low voltage protection output Voltage 183V+- 5V                 |
|   | Efficiency >=96%  |
|   | Display Model LED/Meter   |
|   | Input / Output device Optional plug : socket/terminal           |
|   | Ambient temperature 0 degree centigrade to 40 degree centigrade |
| 4 | <b>2-TON SPLIT AC</b>   |
|   | BTU Capacity: 24000 BT  |
|   | Compressor W: 7034  |
|   | Auto Voltage Adaption: 150V-260V                                |
|   | Low Voltage Startup: 150V                                       |
|   | Eco-Friendly Refrigerant: R410A                                 |
|   | Energy Efficient Class A+: 60% Electricity saving               |
|   | Seasonal Energy Efficiency Ratio (SEER): 6.10                   |
|   | Seasonal Energy Efficiency Ratio (SEER): 6.10                   |
|   | <b>COOLING</b>  |
|   | BTU/H Capacity (H/S/L*): 25200/24000/5800                       |
|   | Output Capacity (W) (H/S/L*): 7400/7034/1700                    |
|   | Power Input (W)(H/S/L*): 2950/2400/430                          |
|   | Energy Efficiency Ratio (EER): 3.5                              |
|   | <b>HEATING</b>  |
|   | BTU/H Capacity (H/S/L*): 27000/24600/4800                       |
|   | Output Capacity (W) (H/S/L*): 7900/7200/1400                    |
|   | Power Input (W)(H/S/L*): 3000/2050/400                          |
|   | Energy Efficiency Ratio (EER): 3.5                              |

**ANNEXURE-A3**

| S/No.   | Technical Specification for civil works of tower foundation and guywire anchors |   |
|---|---|---|
| <b>1</b>  | <b>Tower Foundation</b>   |   |
|   | Tower Height  | 250 ft.   |
|   | Type of Tower   | Guywire supported (Hot dipped galvanized)   |
|   | Excavation  | 3 feet deep   |
|   | Construction of Bed   | 2X2X3 feet (LxWxH)  |
|   | Construction of Base Foundation   | 7 feet (R.C.C 1:2:4) as per standards   |
|   | Warning Lights  | Complete set with branded auto sun switch cable connections from bottom to top. (2 Nos.)  |
|   | Lighting Arrester   | Complete set with cable connection as per standards. (1No)  |
|   | Earthing  | Complete in all respect as per standards with copper strip 20 mm dipped in boring tube well. The depth of tube well for each site/city is attached at <b>Annexure-C</b> |
|   | Wind Withstanding Strength  | 100 miles/hour  |
|   | Load withstanding Strength  | Antenna Sets of at-least 3 FM transmitters  |
|   | Soil Testing  | Soil testing will be required as per prevailing standards   |
| <b>2</b>  | <b>Guywire Foundation</b>   |   |
|   | Excavation for Anchor   | 7 feet deep   |
|   | Concrete Bed Dimensions   | 2X2X3 feet (LxWxH)  |
|   | Construction of Base for Anchors  | 7.5 feet height   |
|   | Type  | T-Type Anchors  |
|   | Painting  | With material and as per standards  |
| <b>Note:</b> Before the execution of civil works for tower/mast and guywire anchors, survey and soil testing of each site is mandatory. |   |   |

Annex-B  
GENERAL TERMS AND CONDITIONS

Origin: USA, UK, Germany, Japan Canada or equivalent

| Sr. No. | ITEMS/DESCRIPTION (Not for items at Sr. No. 6 & 7 of table at page 5)                                | QTY     |
|---------|--|---------|
| 1       | Hands-on operational training to technical staff.  | 01 job  |
| 2       | Complete technical training for PBC staff with provision of all installation and maintenance manual. | 01 job  |
| 3       | End-to-end principal support for the offered system (24x7).  | 01 job  |
| 4       | Service & support with warranty.   | 01 year |
| 5       | Connectors and cables.   | 2 sets  |
| 6       | Technical drawings and operation manuals of all electronic equipment                                 | 1 set   |
| 7       | Certificate of imported equipment must be provided.  | 1 Copy  |

1. The Original Equipment Manufacturer (OEM), **Sole Distributors** directly registered with the Manufacturers and the potential firms/bidders' technical persons having enough experience of Electrical, Electronic and Mechanical equipment are allowed to participate (not for items at Sr. No. 6 & 7 of table at page 5).
2. The participating firms should be registered with the Government Institutions/Authorities.
3. Bidders must produce certificate for availability of quoted equipment/item. Bidder is bound to provide **replacement/repair of equipment/item free of cost** during warranty period if any equipment ceases its function due to any fault in the equipment. Bidder shall ascertain to provide complete **after sales technical and backup service/support** on-site to PBC (not for items at Sr. No. 6 & 7 of table at page 5).
4. Adequate **protection system** should be provided to safeguard the system from damage. The protection system should be fast acting to safeguard the system and components.
5. Successful bidders are bound to the condition set at clause # 6 of terms and conditions of contract.
6. The supplier must ensure that the equipment/items provided must be achieved in a plug and play operation without any complexity.
7. Bidders must indicate on the specifications sheets whether the equipment offered comply with each specified requirement.
8. All configuration files and software (if any) must be provided by the OEM free of charge under warranty period (where applicable).
9. Local partner must ensure timely availability of OEM technical team for remote assistance to PBC technical team free of charge (where applicable).
10. Bidders must provide evidence of experience for supply of concerned equipment/items and submit list of previous comparable works for evaluation.
11. Bidder must attach Factory Test Certificate of the Equipment.

12. All the **international standards** must be complied as defined in the specification sheet, any deviation with the terms and specifications of the tender shall be highlighted by the bidder. Any discrepancy found at a later stage will lead to disqualification of the bidder.
13. Standard maintenance procedures must be provided to PBC, technical team for smooth operation.
14. Successful bidder must provide sets of original operator's manuals, service manuals and parts catalog.
15. Successful bidders must offer international warranty mentioned at the equipment manufacturer brochure and website.

**Site: PBC Stations located in following cities**

**(Site may change as required by PBC management):**

Sialkot, Sargodha, Mianwali, Kallar Kahar-Chakwal, Faqeerabad-Attock, Larkana, Bhit Shah-Matiari, Landhi-Karachi, Khuzdar, Loralai, Turbat, Zhob, Pishin (Yaru), Chitral, Abbotabad, Kohat, Nowshera, Muzaffarabad, Islamabad

| <b>S/No.</b> | <b>Site/City</b>    | <b>Estimated depth of Tube well in feet</b> | <b>Earthing</b> |
|--------------|---------------------|---|-----------------|
| 01.          | BH Sargodha         | 60  | Required        |
| 02.          | HPT Larkana         | 60  | Required        |
| 03.          | HPT Landhi          | 150   | Required        |
| 04.          | BH Khuzdar          | 800   | Required        |
| 05.          | BH Loralai          | 400   | Required        |
| 06.          | BH Turbat           | 350   | Required        |
| 07.          | BH Zhob             | 600   | Required        |
| 08.          | HPT-I Quetta (Yaru) | 80  | Required        |
| 09.          | BH Abbotabad        | 80  | Required        |
| 10..         | HPT-III Peshawar    | 25  | Required        |
| 11.          | BH Muzaffarabad     | 80  | Required        |
| 12.          | PBC HPT Faqeerabad  | 60  | Required        |
| 13           | PBC Sialkot         | 60  | Required        |
| 14           | PBC Kallar Kahar    | 600   | Required        |
| 15           | PBC Bhit Shah       | 60  | Required        |

| S. No. | Special Conditions   | Compliance (YES/NO) | Certificate (Attached/ Not Attached) |
|--------|--|---------------------|--------------------------------------|
| 1.     | Only <b>Potential bidders/distributors/resellers</b> authorized to sell in Pakistan are allowed to participate.  |                     |                                      |
| 2.     | All the <b>international standards</b> must be complied as defined in the specification sheet.   |                     |                                      |
| 3.     | Bidders must produce certificate for availability of spares for the quoted transmitters for next <b>FIVE</b> years.  |                     |                                      |
| 4.     | Bidder shall ascertain to provide complete <b>after sales technical and backup service/support</b> on-site to PBC  |                     |                                      |
| 5.     | Adequate <b>protection system</b> should be provided to safeguard the system from damage. The protection system should be fast acting to safeguard the system and components |                     |                                      |
| 6.     | All <b>configuration files</b> and software must be provided by the OEM free of charge under warranty period.  |                     |                                      |
| 7.     | Local partner must ensure timely availability of OEM technical team for <b>remote assistance</b> to PBC technical team free of charge  |                     |                                      |
| 8.     | Standard <b>maintenance procedures</b> must be provided to PBC technical team for smooth operation of the transmitter  |                     |                                      |

Annex-C

Bill of Quantity (BOQ)

Supply, installation, testing and commissioning of the under-mentioned equipment and civil works related services required on DDP basis at the sites/locations mentioned above. The quantity may vary according to need and availability of funds.

| <b>S/No</b> | <b>Description of Items</b>   | <b>Unit</b> | <b>Qty.</b> |
|-------------|---|-------------|-------------|
| 1           | 2-KW high quality digital FM transmitter along with antenna system compatible with transmitter with allied hardware and accessories including 100 m branded RF cable for each site. | No.         | 19          |
| 2           | Antenna Tower/Mast 250 feet height  | No.         | 12          |
| 3           | Audio Processor (If built-in not provided with transmitter)   | No.         | 19          |
| 4           | Dish Antenna & allied hardware accessories  | No.         | 19          |
| 5           | Computer System   | No.         | 19          |
| 6           | Split AC 2-Ton  | No.         | 18          |
| 7           | UPS 10-KVA  | No.         | 19          |
| 8           | AVR 10-KVA  | No.         | 17          |
| 9           | Diesel Generator 20-KVA along with ATS and weather canopy   | No.         | 14          |
| 10          | Foundation of antenna tower and guywire anchors   | Job         | 12          |
| 11          | Earthing System for Mast  | Job         | 15          |

**CERTIFICATE OF AFFIDAVIT/DECLARATION  
(To be printed on Stamp Paper worth Minimum Rs. 100)**

In response to Tender inquiry No. \_\_\_\_\_ We, solemnly declare that Mr. \_\_\_\_\_ S/O \_\_\_\_\_ CNIC \_\_\_\_\_ is the Designation of Company Name offer to provide the \_\_\_\_\_ in accordance with your tender notice published in daily newspaper. We are hereby submitting our proposal, which includes the Technical Proposal and the Financial Proposal sealed in two separate envelopes.

Moreover, we also confirm that the prices quoted in Pakistan Broadcasting Corporation, Islamabad are not more than the prices quoted in any other Government / Autonomous organization. In case of any over pricing we shall be bound to refund that to the PBC in the best interest of the Government. We also confirm to abide by all the terms and conditions laid down in the Tender inquiry, bidding document or time to time changed by the Government. In case of any violation on any terms and conditions, our security / call deposit may be forfeited, and we shall not challenge it in any court of Law.

I /We also undertake:-

- i. Our firm is neither been Black listed, nor having any dispute with any Government, Semi Government and Autonomous Organization and also there is no litigation against the firm.
- ii. Our firm is not debarred by any of Government, Semi Government and Autonomous Organization.
- iii. Our Firm has not been bankrupt.
- iv. Our equipments to be supplied have not been manufactured in India or Israel. Furthermore our firm has not any linkage with Israel or India regarding ownership, sponsoring and financing.
- v. Our firm's financial position is strong enough to provide the tendered equipment and technically capable as per requirement of PBC. Under any circumstances the delivery of equipments shall not be delayed due to dearth of financial position as well as due to technical inability. We assured that firm is financially and technically capable to resolve the discrepancies/faults in the equipments/items can replace with brand new equipments/items, keeping the faulty one at site.
- vi. Offered equipments are brand new and devoid of any defect and the spares will be available in Pakistan within the warranty period.

Whatever stated above is true and correct to the best of my/our knowledge and belief

Authorized Signature

Stamp



**PRICE SCHEDULES**  
**(To be Printed at Company Letter Head)**

| <b>1</b>  | <b>2</b>           | <b>3</b>          | <b>4</b>                     | <b>5</b> | <b>6</b>                      | <b>7</b>  | <b>8</b>                    |
|---|--------------------|-------------------|------------------------------|----------|-------------------------------|-----------|-----------------------------|
| S. No.  | Item / Description | Country of Origin | Unit Price without GST<br>Rs | Quantity | Total price without GST<br>Rs | GST<br>Rs | Total Price With GST<br>Rs. |
|   |                    |                   |                              |          | <b>4 x 5</b>                  |           | <b>6+7</b>                  |
|   |                    |                   |                              |          |                               |           |                             |
|   |                    |                   |                              |          |                               |           |                             |
|   |                    |                   |                              |          |                               |           |                             |
|   |                    |                   |                              |          |                               |           |                             |
|   |                    |                   |                              |          |                               |           |                             |
| <b>Grand Total in Figures</b>                                 |                    |                   |                              |          |                               |           |                             |
| <b>Grand Total in Words</b>                                   |                    |                   |                              |          |                               |           |                             |
| <b>Discount in Percentage (if any ) as per PPRA Rule 38 A</b> |                    |                   |                              |          |                               |           |                             |
| <b>Discount Amount</b>  |                    |                   |                              |          |                               |           |                             |
| <b>Net Amount in Figures with GST</b>                         |                    |                   |                              |          |                               |           |                             |
| <b>Net Amount in Words with GST</b>                           |                    |                   |                              |          |                               |           |                             |

**COMMERCIAL COMPLIANCE STATEMENT**

Bidder shall submit this form duly filed and signed with the bid.

| <b>Clause.<br/>#</b> | <b>Description</b>                  | <b>Complied</b> | <b>Not<br/>Complied</b> | <b>Partially<br/>complied<br/>(give details)</b> |
|----------------------|-------------------------------------|-----------------|-------------------------|--|
| 1                    | General                             |                 |                         |  |
| 2                    | Eligibility Conditions of Bidders   |                 |                         |  |
| 3                    | Cost of tendering                   |                 |                         |  |
| 4                    | Clarifications of Tender Documents  |                 |                         |  |
| 5                    | Amendment of Tender Documents       |                 |                         |  |
| 6                    | Preparation of Bid                  |                 |                         |  |
| 7                    | Languages                           |                 |                         |  |
| 8                    | Price                               |                 |                         |  |
| 9                    | Tender Security/Earnest Money       |                 |                         |  |
| 10                   | Validity of Bids                    |                 |                         |  |
| 11                   | Deadline for submission of bids     |                 |                         |  |
| 12                   | Modification & Withdrawal of bid    |                 |                         |  |
| 13                   | Opening of Bid                      |                 |                         |  |
| 14                   | Responsiveness of Bids              |                 |                         |  |
| 15                   | Evaluation Criterion                |                 |                         |  |
| 16                   | Clarifications / Correction of Bid  |                 |                         |  |
| 17                   | Commercial Compliance Statement     |                 |                         |  |
| 18                   | Variation Order                     |                 |                         |  |
| 19                   | Award Criteria & PBC's Right        |                 |                         |  |
| 20                   | Site Survey                         |                 |                         |  |
|                      | <b>Contract Conditions</b>          |                 |                         |  |
| 1                    | Performance Security                |                 |                         |  |
| 2                    | Contractor responsibilities         |                 |                         |  |
| 3                    | Transportation / Packing            |                 |                         |  |
| 4                    | Time for Completion                 |                 |                         |  |
| 5                    | Warranty / Services                 |                 |                         |  |
| 6                    | Provisional Acceptance Certificate  |                 |                         |  |
| 7                    | Terms of Payment                    |                 |                         |  |
| 8                    | Final Acceptance Certificate        |                 |                         |  |
| 9                    | Default by contractor               |                 |                         |  |
| 10                   | Arbitration & Amicable Law          |                 |                         |  |
| 11                   | Force Majeure                       |                 |                         |  |
| 12                   | Termination for Insolvency          |                 |                         |  |
| 13                   | Termination for Convenience         |                 |                         |  |
| 14                   | Local Training                      |                 |                         |  |
| 15                   | Project Director/Ultimate Consignee |                 |                         |  |
| 16                   | Debarment/Blacklisting of Firm      |                 |                         |  |
| 17                   | Repeat Order                        |                 |                         |  |

## “TECHNICAL EVALUATION CRITERIA”

| 1. Experience                  |  |                 |                              |   |
|--------------------------------|--|-----------------|------------------------------|---|
| Sr. No.                        | Description  | Category Points | Total Points/ marks obtained | Documents Required                        |
| 1                              | Company Profile of the Consultant/Firm   | 10              |                              | Company Profile documents                 |
| 1.1 (a)                        | Experience of technical persons hired/attached with the participating bidder for Installation/Commissioning of tendered equipment: List of engineers/skilled persons with their qualification must be attached, if the experience of technical persons is more than 10 years | 20              | -                            | Copies of CVs of employed technical staff |
| 1.1 (b)                        | If the experience of technical persons is more than 7 but less than or equal to 10 years   | 15              | -                            |   |
| 1.1 (c)                        | If the experience of technical persons is more than 5 but less than or equal to 7 years  | 10              |                              |   |
| 1.2 (a)                        | Offices of the company: if more than 15 different cities   | 15              | -                            | Office addresses with contact numbers     |
| 1.2 (b)                        | Offices of the company: if more than 10 less than 15 different cities  | 10              | -                            |   |
| 1.2 (c)                        | Offices of the company: if more than 5 less then 10 different cities   | 5               |                              |   |
| 1.4 (a)                        | Participating bidder/firm did not delay the execution of work and no LD charges deducted in PBC in more than 3 consecutive contracts.  | 5               |                              | Report from P&D and Procurement           |
| 1.4 (b)                        | If more than 2 but less than or equal to 3   | 3               |                              |   |
| 1.4 (c)                        | If more than 1 but less than or equal to 2   | 2               |                              |   |
| <b>Sub Total:</b>              |  | <b>50</b>       |                              |   |
| 2. Financial Capability        |  |                 |                              |   |
| Sr. No.                        | Description  | Category Points | Total Points                 | Documents Required                        |
| 2.1 (a)                        | Participating bidder/ Firm's annual turnover, if greater than 60 million (it may vary as per budgeted cost of tender and qualification for the procurement goods)  | 10              |                              | Bank Statement of last two years          |
| 2.1 (b)                        | If greater than 50 million but less than or equal to 60 million  | 7               |                              |   |
| 2.1 (c)                        | If greater than 40 million but less than or equal to 30million   | 6               |                              |   |
| <b>Sub Total:</b>              |  | <b>10</b>       |                              |   |
| 3. Bidders attitude & response |  |                 |                              |   |
| Sr. No.                        | Description  | Category Points | Total Points/ marks obtained | Documents Required                        |
| 3.1                            | Participating bidders if not involved in disputes & litigation with PBC on already agreed terms within two years period of procurements/consultancy and in case bidder is new in PBC than certificate from public sector   | 3               |                              | Report from P&D and Procurement           |

|  | procuring Agency  |                        |                              |   |
|--|---|------------------------|------------------------------|---|
| 3.2  | Participating bidder found responsive to the RFP and did not involve to prolong agreement signing by any means  | <b>3</b>               |                              |   |
| 3.3  | After Sales support   | <b>4</b>               |                              |   |
| <b>Sub Total:</b>                                  |   | <b>10</b>              |                              |   |
| <b>4. Operational Capability</b>                   |   |                        |                              |   |
| <b>Sr. No.</b>                                     | <b>Description</b>  | <b>Category Points</b> | <b>Total Points obtained</b> | <b>Documents Required</b>   |
| <b>4.1(a)</b>                                      | Degree/ diploma in Engineering Professionals (electrical, electronics, telecom & mechanical) with at least 3 years relevant experience* each.<br>If more than 10 qualified engineers and 5 DAE with more than 3 years' experience | <b>15</b>              |                              | Detailed CV's of professional staff are required  |
| 4.1(b)   | If more than 7 qualified engineers and 3 DAE with more than 3 years' experience   | 10                     |                              |   |
| 4.1(c)   | If more than 5 qualified engineers and 2 DAE with more than 3 years' experience   | 5                      |                              |   |
| <b>Sub Total</b>                                   |   | <b>15</b>              |                              |   |
| <b>5 Performance</b>                               |   |                        |                              |   |
| <b>Sr. No</b>                                      | <b>Description</b>  | <b>Category Points</b> | <b>Total Points obtained</b> | <b>Documents Required</b>   |
| <b>5</b>   | <b>Performance</b>  |                        |                              | M&O wing will provide in case of PBC being as Managing the operations of equipment. in case the equipment is used in PBC than the PBC,s report will be final and for other public sector organizations the certificate form that organization shall require to attached by bidder |
| 5.1 (a)  | If no fault observed in the Installation of the equipment (brand) in PBC/ public sector organization in Pakistan after the Installation of five years   | <b>8</b>               |                              |   |
| 5.1 (b)  | If no fault observed in the installation of equipment in PBC after the Installation of three years  | 5                      |                              |   |
| 5.1 (c)  | If no fault observed in the installation of equipment in PBC after the installation of two years  | 3                      |                              |   |
| <b>Sub Total</b>                                   |   | <b>8</b>               |                              |   |
| <b>5.4</b>   | <b>Extended Warranty Period</b>   |                        |                              |   |
| 5.4(a)   | More than two year but less than or equal to three year   | <b>7</b>               |                              | Will be taken by BEC from the technical proposal of participating bidder  |
| 5.4 (b)  | More than one year but less than or equal to two year   | 5                      |                              |   |
| 5.4 9(c)   | Equal to one year   | 4                      |                              |   |
| <b>Sub Total</b>                                   |   |                        | <b>7</b>                     |   |
| <b>Total marks of technical selection criteria</b> |   |                        | <b>100</b>                   |   |
| <b>For Qualifying</b>                              |   |                        | <b>70%</b>                   |   |

**Note:** Bid Evaluation Committee may also check any other parameters, beside above mentioned criteria, which can determine firm eligibility.

**FINANCIAL EVALUATION CRITERIA (20 MARKS/score)**

| <b>S. No.</b> | <b>Name of bidder</b> | <b>price quoted</b> | <b>Lowest bidder</b> | <b>Marks obtained</b> | <b>TOTAL MARKS: 20</b> |
|---------------|-----------------------|---------------------|----------------------|-----------------------|------------------------|
| <b>1</b>      |                       |                     |                      |                       | <b>20</b>              |
| <b>2</b>      |                       |                     |                      |                       | <b>20</b>              |
| <b>3</b>      |                       |                     |                      |                       |                        |
| <b>4</b>      |                       |                     |                      |                       |                        |

**Financial Criteria:**

The bidder quoting the minimum total fees for the Assignment shall be given the maximum marks (100) and other bidders shall follow in accordance with the following formula:

**Financial marks (Fm) for a particular bidder = (100 x Lowest quoted divided by financial quote of a particular bidder) As aforesaid the successful bidder shall be the one securing the maximum weighted average marks as below:**

$$\text{Weighted Marks/Score obtained by bidder} = 80\% \times \text{Technical Proposal marks obtained} + 20\% \times \text{Fm}$$

**Organizational Information”**

| <b>Form “A” : Firm Profile</b> |  |                                   |
|--------------------------------|--|-----------------------------------|
| <b>S #</b>                     | <b>Required Information</b>  | <b>Response</b>                   |
| <b>1</b>                       | <b>Legal name of the organization</b>  |                                   |
| <b>2</b>                       | <b>Year of Registration / Establishment of the Organisation</b>  |                                   |
| <b>3</b>                       | <b>National Tax Number</b>   |                                   |
| <b>4</b>                       | <b>GST Number</b>  |                                   |
| <b>5</b>                       | <b>Core business area/s of the organization</b>  |                                   |
| <b>6</b>                       | <b>What is the legal status of your organisation? Tick the relevant box (one box only). (Attach Copy/Copies of Registration Certificate/s)</b> | <b>Public Sector Organisation</b> |
|                                |  | <b>Section 42 Company</b>         |
|                                |  | <b>Public Ltd. Company</b>        |
|                                |  | <b>Private Ltd. Company</b>       |
|                                |  | <b>Partnership Firm</b>           |
|                                |  | <b>Others (Please specify)</b>    |
| <b>7</b>                       | <b>Name and designation of ‘Head of Organization’</b>  |                                   |
| <b>7</b>                       | <b>Mobile:</b>   |                                   |
|                                | <b>Phone/s:</b>  |                                   |
|                                | <b>Email:</b>  |                                   |
|                                | <b>Fax:</b>  |                                   |
|                                | <b>Address of organization:</b>  |                                   |
|                                | <b>Website address:</b>  |                                   |
| <b>8</b>                       | <b>Name and designation of ‘Contact Person’:</b>   |                                   |
|                                | <b>Phone/s:</b>  |                                   |
|                                | <b>Mobile:</b>   |                                   |
|                                | <b>Email:</b>  |                                   |
|                                | <b>Fax:</b>  |                                   |

**“RELEVANT EXPERIENCE”**

| <b>Form “B” : Relevant Experience</b> |  |   |
|---------------------------------------|--|---|
| <b>Sr. #</b>                          | <b>Required Information</b>  | <b>Response</b><br><b>(Please provide exact information with task title, organization, location/s and duration)</b> |
| <b>1</b>                              | <b>Task Title and duration</b><br><b>(The task title means the name of Corporate Portfolio/ Profile Books)</b> |   |
| <b>2</b>                              | <b>Organization</b>  |   |
| <b>3</b>                              | <b>Duration of task completion</b>   |   |
| <b>4</b>                              | <b>Location/s (districts/tehsils)</b>  |   |
| <b>5</b>                              | <b>Any other experience</b>  | <b>Relevant</b>   |
|                                       |  | <b>Not Relevant</b>   |
|                                       |  |   |

**CERTIFICATES FROM (C) PUBLIC SECTOR PROCURING AGENCIES (PA)**

| <b>Sr. No.</b> | <b>1<br/>Description</b>  | <b>2<br/>Name of public sector with whom bidder participated in response of RFP of procuring organization</b> | <b>3<br/>kindly attach certificate from procuring organization having information regarding column Sr. No. 1, 2,3 &amp; 4</b> | <b>4<br/>Contact No of concerned procurement officer with email address</b> |
|----------------|---|---|---|---|
| <b>1</b>       | Participating bidder/firm did not prolong signing of agreement in PBC/Public sector Organisation                  |   |   |   |
| <b>2</b>       | Participating bidders if not involved in disputes & litigation with the procuring Agency.                         |   |   |   |
| <b>3</b>       | Participating bidder found responsive to the RFP and did not involve to prolong agreement signing by any means PA |   |   |   |
| <b>4</b>       | After sale service/support of the bidder PA   |   |   |   |



**“KEY MANAGEMENT STAFF INFORMATION”**

| <b>Form “D”: Key Management Staff Information (Sheet 1<sup>1</sup>)</b> |  |                 |                                      |  |
|---|--|-----------------|--------------------------------------|--|
| <b>Sr. #</b>  | <b>Required Information</b>  | <b>Response</b> |                                      |  |
| 1   | Name   |                 |                                      |  |
| 2   | Position   |                 |                                      |  |
| 3   | Firm Name  |                 |                                      |  |
| 4   | Age  |                 |                                      |  |
| 5   | Years of association with the firm                                     |                 |                                      |  |
| 6   | Core professional area of work   |                 |                                      |  |
| 7   | Assigned tasks in this firm  |                 |                                      |  |
| 8   | Please name similar assignment undertaken by the individual            |                 |                                      |  |
| 9   | Specific role of the individual in this activity                       |                 |                                      |  |
| 10  | <b>Please provide information on additional experience in HR cases</b> |                 |                                      |  |
|   | <b>Position</b>  | <b>Employer</b> | <b>Duration</b>                      |  |
|   |  |                 | <b>From</b> <b>To</b>                |  |
|   |  |                 |                                      |  |
|   |  |                 |                                      |  |
|   |  |                 |                                      |  |
| 11  | <b>Educational Qualifications</b>                                      |                 |                                      |  |
|   | <b>Degree/Diploma/Certificate</b>                                      | <b>Year</b>     | <b>Institution</b> <b>Speciality</b> |  |
|   |  |                 |                                      |  |
|   |  |                 |                                      |  |

<sup>1</sup>Please mark the other two sheets as Sheet 2 and Sheet 3 respectively for each individual.