



Government of Pakistan

PAKISTAN TELECOMMUNICATION AUTHORITY

www.pta.gov.pk

Tender NO. 5/11/2021

INVITATION TO BID

Provision & Installation of Ceiling Cassette Invertor type Air Conditioners in Officers Café of PTA HQs, Islamabad

Pakistan Telecommunication Authority, a Government organization invites sealed bids from firms/ companies, having relevant experience of 1 year or more, registered with Income Tax and Sales Tax Departments and on Active Taxpayers List of the Federal Board of Revenue for provision and installation of Cassette type invertor Air conditioners in PTA HQs, F-5/1, Islamabad.

Bidding documents, containing detailed terms and conditions, method of procurement, procedure for submission of bids, bid security, bid validity, opening of bid, evaluation criteria, clarification / rejection of bids, performance guarantee etc. are available for the interested bidders from the office of undersigned during working hours at cash payment of Rs. 1000/-. Bidding Documents can also be downloaded from www.pta.gov.pk free of cost.

The bids, prepared in accordance with the instructions in the bidding documents, must reach at PTA HQs, F-5/1, Islamabad on or before 19 May 2021 by 11:00 AM. Bids will be opened on the same day at 11:30 AM. This advertisement is also available on PPRA website at www.ppra.org.pk.

Engr. Asif Saeed, Director (Civil Works)

PTA HQs F-5/1 Islamabad

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BIDDING DOCUMENTS

1. Pakistan Telecommunication Authority, a Government organization invites sealed bids for provision and installation of Cassette Type Inverter Air conditioners in officer’s Café of PTA HQs, F-5/1, Islamabad from firms/companies having valid NTN, GST registration and on Active Tax Payer List of FBR.
2. Companies must have one (1) year or more of relevant business experience for the work as per specifications & details given in the BoQ. Documentary evidence is to be provided in this regard.
3. Notice for inviting tender published on PTA’s/PPRA’s websites is the part of this contract document.

Terms and Conditions

4. **Date and time for submission of bids**

- a. Bidding documents duly completed in all respects shall be submitted on or before **19th May, 2021 up to 11:00 AM** in the office of Director (Civil Works), PTA HQs, F-5/1, Islamabad. The submission and evaluation of bids will be carried out as per Rule 36(a) i.e; “Single Stage- One Envelope Procedure” of PP Rules 2004.

5. **COMPANY INFORMATION (To be provided on company/ firm letter head)**

- a. Name of Firm _____
- b. Date of Establishment of Business _____
- c. Address _____
- d. Telephone No _____ Fax No. _____
- e. GST Reg. No _____
- f. National Tax No _____
- g. Sole Distribution certificate (if any) _____

6. **EVALUATION CRITERIA**

- a. Mandatory Evaluation of the firms will be checked first as per Annex-A.
- b. The financial bids of bidders who have met the mandatory requirements will be considered only.
- c. Financial Bids of the firms/ companies not meeting the mandatory requirement will be rejected.
- d. Work will be awarded to the bidder who has quoted the lowest financial bid and met the mandatory requirements.

7. **BID SECURITY/RETENTION MONEY**

- a. Bid security in the shape of pay order / bank draft in favour of Pakistan Telecommunication Authority, Islamabad amounting to 2% of the total bid amount shall be attached with the Financial Proposal (Cheques will not be accepted).
- b. ***Financial bid*** not accompanied with bid security will be rejected forthwith without any right of appeal.
- c. Bid Security of successful bidder will be converted into retention money whereas bid security of unsuccessful bidders will be returned after award of supply order to successful bidder.
- d. In case of termination of work order due to fault of the supplier/bidder, the bid security shall be forfeited in favour of Pakistan Telecommunication Authority.
- e. Retention money will be limited to 6 % of the contract value. Bid security i.e. 2% of the successful bidder will be converted into retention money. Remaining amount of 4 % will be deducted from payment. The Retention money will be released after the expiry of 1 year period subject to no complaint against the executed work/items.

8. **PRICES**

- a. The bidder should quote its rates + GST charges (if applicable) clearly for each item, in the Financial Proposal and total prices in figures as well as in words (**Annexure-B**).
- b. The rates quoted shall remain valid for three (3) months from the date of opening of Financial Bid.
- c. Bid shall be in Pak rupees only and inclusive of all applicable taxes i.e. GST, income tax etc. as per GOP rules.

- d. Bids should be inclusive of transportation/carriage charges and fixing charges and any other cost which is essentially required to complete the job and not mentioned in the BoQ.
- e. No claim on Escalation during the currency of contract will be entertained.
- f. No mobilization advance shall be paid.

9. PAYMENT PROCEDURE

- a. No advance payment/secure advance shall be made against the supply of any material / equipment mentioned in this bidding document.
- b. Full & Final Payment of bill shall be made after successful completion of work at PTA Headquarters on the recommendations of Director (Civil Works) and issuance of satisfactory completion certificate by PC-I/ PC-II.
- c. Payment shall be made after deduction of applicable taxes i.e. Income Tax, GST etc. at source as per Government Rules.

10. Completion Time

- a. Work is to be started within 3 days of issuance of work order.
- b. Work is to be completed within 15 days after commencement of work.
- c. Vendor shall be responsible for the safe supply, installation/fixing of the material as well as of its labour during the work.

11. Equipment should be Local manufactured or imported through Legal Channels

- a. Bidder shall quote equipment which is locally manufactured or if imported then it shall be through legal channels and paying Government duties, taxes etc.
- b. PTA will verify the equipment from the Authorised dealer for the verification of same.
- c. Only that equipment is to be provided for which local warranty is available for replacement and repairs.
- d. Certificate in this regard for above clauses will be provided by the bidder on company letter head along with sign & stamp.

12. WARRANTY

- a. Vendor shall provide at least 3 year compressor warranty and 1 year for other parts of all supplied items.
- b. The warranty period shall be considered from the date of issuance of completion certificate by PTA.
- c. **Warranty certificate shall be provided on the non-judicial stamp paper duly notarized** along with the warranty cards from the authorized dealer/ Manufacturer duly stamped by the company.
- d. Any part or item of the equipment becomes faulty in the warranty period it will be replaced with the genuine product at the cost of the bidder and no payment shall be made by PTA in this regard.

13. PENALTY

- a. One % (01) of the total value of work order will be charged as penalty fortnightly (15 days) on late start of work up to a maximum of thirty (30) days. After expiry of thirty (30) days' supply order shall stand cancelled and bid security shall be forfeited.
- b. A penalty @ 0.1 % of the total bid shall be imposed per day till completion of work, if the work is not completed within scheduled time.

14. INTEGRAL PART

- a. **Annexure-A** comprises of "Mandatory Requirements" which shall be read/filled carefully, each page must be signed and stamped by the bidder and is to be submitted with the envelope containing the financial proposal
- b. **Annexure-B** is a part of financial proposal which shall be read/filled carefully, each page must be signed and stamped by the bidder

15. DISQUALIFICATIONS

Offers are liable to be rejected if; there is any deviation from the instructions as laid down in the bidding documents i.e.

- a. Mandatory requirements at Annex-A are not met.
- b. Incomplete BoQ shall not be accepted as work will be awarded to a single successful bidder.
- c. Splitting of bid in parts is not allowed.

- d. Financial bid is submitted without the required bid security.
- e. Offers are received after specified date and time.
- f. Specifications and other requirements are not properly adhered to or different from those given in the bidding documents.
- g. Any inferior product / specs / requirement that mentioned at **Annexure-B**.
- h. Any overwriting and cutting should be avoided. However, if it is inescapable then each overwriting/cutting is to be signed and stamped by the bidder and certificate in this regard be attached with the financial bid that these cutting/overwriting had been made prior to submission of bids.

16. **Mandatory Requirements (ANNEX-A)**

Annexure-A is to be submitted with all the supporting documents. The documents should be arranged in the same sequence as mentioned in Annex-A and flagging of the documents be done.

17. **TURN KEY SOLUTION**

It is a turnkey project where all the material and work quoted in BOQ is to be applied and fixed by the bidder. Every other cost of material and labour which is not mentioned in the Annex-B but is required to complete the job be considered and be included in the bidding price.

18. **AFFIDAVIT**

Affidavit on **Legal Paper (non-judicial stamp paper)** to the effect that the firm has never been black listed by any Government/Semi Government/Autonomous body.

19. **FORCE MAJEURE**

In case of any circumstances which are beyond the control of contractor as well as client. Force Majeure will be applicable.

20. **ARBITRATION**

In case of any dispute or conflict between Contractor and Employer, the case will be referred to PC-I, PTA. If the decision of PC-1 is not acceptable the case shall be referred to Chairman PTA, whose decision will be final and could not be challenged at any court of law.

21. **MEASUREMENT**

The payment will be made by measuring actual quantity of items supplied and fixed on site at quoted rates. No payment will be made for wastage of items.

22. RIGHTS RESERVED

Pakistan Telecommunication Authority Islamabad reserves the rights to cancel the bid, accept or reject any bid as per PPRA rules.

23. CHECKLIST

<u>Sr. No</u>	<u>Requirement</u>	<u>Yes/ No</u>
<u>i</u>	Bid security in shape of bank draft/pay order. (Cheques are not acceptable)	
<u>ii</u>	Company's Profile	
<u>iii</u>	List of such projects handled with copies of work orders and completion certificates to ascertain experience	
<u>iv</u>	List of clients with telephone numbers and addresses.	
<u>v</u>	Brochure of the quoted brand	
<u>vi</u>	Undertaking on Company Letter head that Specification and other requirements are met	
<u>vii</u>	Bidder will provide a certificate from the manufacturer/ authorised dealer that the product quoted is the latest and will be available in market for next 5 years. In addition its service including its parts will be available in market for next 10 years	
<u>viii</u>	Certificate as per clause 11 of the terms and conditions of the bidding documents	
<u>ix</u>	Mandatory requirements are met	

AGREEMENT

(To be executed on Rs.100/- Judicial paper)

THIS Supply and installation Service Agreement (the “Agreement”) is made on this day _____ 2021;

By and Between

Pakistan Telecommunication Authority, a statutory body established under Pakistan Telecommunication (Re-organization) Act, 1996, having its principle office at PTA H/Q, F-5/1, Islamabad (hereinafter referred to as “Client” which expression shall where the context admits include its administrators and assigns) of the One Part

And

_____ through Mr..... bearing CNIC..... having registered place of business at..... (hereinafter referred to as “**the Contractor**” which expression shall where the context so allows include his/its successors-in-interest, executors, administrators, heirs and permitted assigns) of the **Other Part**.

(If when and where applicable the Party of the One Part and Party of the Other Part shall hereinafter be collectively referred to as ‘Parties’ and individually as ‘Party’ as the context of this Agreement requires).

WHEREAS;

- A. Client is desirous of Purchasing Provisioning & Installation of Ceiling Cassette Invertor Type Air Conditioners for its Officer Café in Client’s HQs Building at F-5/1, Islamabad and have them delivered/supplied and installed and subsequently maintained and supported by the Contractor during the warranty period in accordance with the terms of this Agreement;
- B. The Contractor is a _____ (*details of incorporation*) being engaged in the business of supplying electrical, electronic equipment, has agreed to provide supply, deliver & install and thereafter maintenance services of the AC’s at Client HQs Building on the terms and subject to the conditions as set forth hereunder.
- C. The Contractor represent that it has the relevant expertise and holds valid and subsisting licenses/permissions, authorizations/approvals required from the Government of Pakistan, and that it has the requisite expertise and resources to provide top quality of requisite supply and installation of AC’s services as per Annexure B to the Client in accordance with highest industry standards and satisfaction of the Client. The Contractor undertakes that the services shall be provided only through the staff/labour/workforce that has the requisite expertise and experience in this regard.
- D. Upon the basis of the representations and warranties of the Contractor contained herein, the Client wishes to appoint the Contractor for Provision & Installation of Ceiling Cassette Invertor type Air Conditioners in Officers Café of PTA HQs, Islamabad;

NOW THEREFORE, for the consideration provided herein the representation and warranties, covenants, conditions and promises contained herein below and intending to be legally bound, the Client and Contractor hereby agree as follows:

1. Scope of Agreement

Subject to terms and conditions of this Agreement the Contractor agrees for Provision & Installation of Ceiling Cassette Invertor type Air Conditioners in Officers Café of PTA HQs, Islamabad as per requirements prescribed under **Bidding Documents attached as Annexure-A;**

2. Agreement Documents

2.1 In this Agreement, except as otherwise provided, the words, expressions and/or phrases shall have the meanings as defined in the Agreement and documents attached as **Annexure-A,B&C.**

2.2 The following documents shall be deemed to form, and be read and construed as, part of this Agreement:

- a) Invitation to bid
- b) Bidding documents
- c) Annexure A Pertaining to Mandatory Requirements, Annexure B Pertaining to Financial Proposal. General conditions of Contract/ Special Stipulations.
- d) Addenda and Corrigenda, if any, issue by the clients and duly accepted by the contractor at the signing of the Contract.
- e) Bid security/ Tender Guarantee
- f) Form of Agreement/ Contract Agreement
- g) Clients order to commence the work.

Limit of Retention Money. Any Correspondence by the Clients/Contractor mutually accepted by the Client and the Contractor.

3. Term

3.1 The Contractor shall be obligated to start the work on specified location by Client within three (03) days of receipt of Work Order and complete it within prescribed time i.e. **15** calendar days. In case of failure Client will be entitled to deduct any amount payable to Contractor and assign the work to any other Contractor at its discretion.

4. Termination

4.1 Notwithstanding anything herein contained Client shall be exclusively entitled to terminate this Agreement

- a. without advance notice, in case the Contractor is in breach of any of the terms of this Agreement, or in case Client is not satisfied with the installation Services or quality of AC's being supplied/provided by Contractor;
- b. Without cause, by giving three (03) days advance written notice to the Contractor.

- c. If the Provision & Installation of Ceiling Cassette Invertor type Air Conditioners in Officers Café of PTA HQs, Islamabad do not meet the specifications, terms & conditions mentioned in bidding documents attached as **Annexure-A**.
- d. In case of such termination, the Contractor shall only be paid for Services actually rendered up to the date of termination, and any advance payment in respect of Provision & Installation of Ceiling Cassette Invertor type Air Conditioners in Officers Café of PTA HQs, Islamabad not performed or in respect of period falling after the effective date of termination shall be refunded by the Contractor within seven (07) days.

4.2 The Client, shall not, because of expiration or termination of this Agreement, be liable to the Contractor for any compensation, reimbursement, or damages because of the loss or prospective profit or because of expenditures or commitments incurred in connection with the business of the Contractor.

5. Deliverables

5.1 The work should be of best quality and as per technical specifications mentioned in the BOQ/Estimates.

6. Charges

6.1 In consideration of rendition of the Provision & Installation of Ceiling Cassette Invertor type Air Conditioners in Officers Café of PTA HQs, Islamabad by Contractor the Client shall pay the Contractor, charges as specified in **Annexure-B** subject to the complete satisfaction of the Client.

6.2 All amounts paid to the Contractor as per above clauses are inclusive of all taxes, levies, duties, and any other deduction related thereto etc. and are acknowledged by the Contractor to be adequate and sufficient consideration for the rendition of supply and installation Services by the Contractor.

6.3 All payments to be made by the Client to the Contractor shall be subject to such deductions and withholding as are required by prevailing laws which shall be to the account of the Contractor.

7. Invoice

7.1 The Contractor shall submit its Invoice in accordance with the rates/charges specified in **Annexure-B** hereto.

7.2 The Contractor shall be solely responsible for all payments, liabilities and all other obligations of whatsoever nature pertaining to its staff/workers who shall be deputed for the Services at the Client's Building.

7.3 The Contractor undertakes to fully indemnify and hold harmless the Client against any claims, losses, damages, or expenses in relation to injury or death to any persons or loss or damage to property arising out of the performance of supply and installation Services.

7.4 The Contractor and its staff /employees shall be bound to obey safety rules and other regulations prescribed by the Client on its premises. Any losses/damages suffered by the Client due to omission on the part of the Contractor, his staff/employees to abide by this condition shall be the sole liability of the Contractor and it may result in termination of the Agreement by the Client at its sole discretion.

8. Confidentiality

The Contractor, its/his staff, workers, employees, personnel, agents or any other person acting for him and/or on his behalf shall hold in confidence and complete confidentiality and all documents and other information supplied to the Contractor and his Employees personnel, agents etc. by or behalf of the Client or which otherwise came/come into its/his/their knowledge and relates to the Client or any of its project.

9. PENALTY

9.1 One % (01) of the total value of work order will be charged as penalty fortnightly (15 days) on late start of work up to a maximum of thirty (30) days. After expiry of thirty (30) days' Work order shall stand cancelled and bid security shall be forfeited.

9.2 A penalty of 0.1 % per day of the work cost shall be imposed if the work is not completed within scheduled time.

10. Indemnification

The Contractor shall indemnify and hold harmless the Client, its Chairman, Member Offices, Employees and other Personnel against any and all claims, damages, liabilities, losses, and expenses, whether direct or indirect, or personal injury or death to persons or damage to property arising out of (i) any negligence or intentional act or omission by the Contractor or his employees, personal , agents, etc. in connection with the Agreement, or (ii) arising out of or in connection with the performance of his obligations under this Agreement.

11. Resolution of Disputes

11.1 All disputes arising under this Agreement, whether during the term of this Agreement or after the termination or expiry of this Agreement shall be referred to (i) Purchase Committee-I (PC-I) of the Client for amicable settlement /resolution of the dispute at first stage. (ii) In case of failure in settlement, at the second stage the case will be referred to the Authority of the Client through Director (Administration). The decision of the Authority to settle the issue amicably will be final and will not be challenged at any forum including court of Law. (iii) In the event of failure of amicable settlement of dispute as above, either party may refer the dispute to Arbitration under the provision of Arbitration Act, 1940 and the rules issued thereunder, at Islamabad, Pakistan.

11.2 No All variations amendments and in or modification to the terms of this Agreement shall be made, except in writing and shall be binding only if duly agreed and signed by both the parties or their duly authorized representatives.

12. Force Majeure Event

12.1 Neither Party shall be held responsible for any loss or damage or failure to perform all or any of its obligations hereunder resulting from a Force Majeure event.

12.2 For the purpose of this Agreement a "Force Majeure Event" shall mean any cause(s) which render(s) a Party wholly or partly unable to perform its obligations under this Agreement and which are neither reasonably within the control of such Party nor the result of the fault or negligence of such Party, and which occur despite all reasonable attempts to avoid, mitigate or remedy, and shall include acts of God, war, riots, civil insurrections, cyclones, hurricanes, floods, fires, explosions, earthquakes, lightning, storms, chemical contamination, epidemics or plagues, acts or campaigns of terrorism or sabotage, blockades or acts of Governmental Authority after the date of this Agreement.

12.3 The Party initially affected by a Force Majeure shall promptly but not later than seven (07) days following the Force Majeure event notify the other of the estimated extent and duration of its inability to perform or delay in performing its obligations ("**Force Majeure Notification**"). Failure to notify within the afore-said period shall disentitle the Party suffering the Force Majeure from being excused for non-performance for the period for which the delay in notification persists.

12.4 Upon cessation of the effects of the Force Majeure the Party initially affected by a Force Majeure shall promptly notify the other of such cessation.

13. Governing Law

The provisions of this Agreement and the rights and obligations hereunder shall be governed by and construed in accordance with the prevailing laws of Pakistan.

14. Waiver

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A party's failure to exercise or delay in exercising any right, power or privilege under this Agreement shall not operate as a waiver; nor shall any single or partial exercise of any right, power or privilege preclude any other or further exercise thereof.

15. Severability

The invalidity or unenforceability of any provisions of this Agreement shall not affect the validity or enforceability of any other provision of this Agreement, which shall remain in full force and effect.

16. Amendment

All addition amendments and variations to this agreement shall be binding only if in writing and signed by the Parties or their duly authorized representatives.

17. Assignment

This Agreement may not be assigned by either party to other than by mutual agreement between the Parties in writing.

18. Annexure

Annexure-A pertaining to i. Mandatory Requirements and Annexure-B pertaining to Financial Proposal. These **Annexures** along with all bidding documents forms an integral part of this Agreement and has to be read and construed as such this Agreement.

IN WITNESS WHEREOF, the parties hereto set their hands the day, month and year first above written.

For and Behalf of Client.

For and on Behalf of: Contractor

By : _____
Name: _____
Title : _____
Signature : _____
Date : _____

By: _____
Title : _____
Name : _____
Signature : _____
Date : _____

Witnesses

1. _____
Name _____
CNIC _____

2. _____
Name _____
CNIC _____

Mandatory Requirements

Part A) Mandatory Requirement *	
1	<i>Firm has to produce Income Tax Registration.</i>
2	<i>Firm has to produce Sales Tax Registration.</i>
3	<i>Firm/Company must be on Active Tax payer list (Income Tax & Sales Tax) of FBR</i>
4	<i>Minimum 1 years of relevant experience of firm/company duly supported by the completion certificate.</i>
5	<i>Bidder will provide a certificate from the manufacturer/ authorised dealer that the product quoted is the latest and will be available in market for next 5 years. In addition its service including its parts will be available in market for next 10 years</i>
6	<i>Certificate that quoted brand is per the specifications required and mentioned in the BoQ (Annexure-B)</i>
7	<i>Affidavit on Non-Judicial paper (Stamp paper) of Rs. 100/- duly notarized or attested by Oath Commissioner that firm has never been blacklisted from any Government/ Public/ Private department.</i>
8	<i>Certificate as per clause 11 of the terms and conditions of the bidding documents</i>
i. Only financial bids of companies will be accepted who have met the above mentioned mandatory requirements ii. Financial bids of firms/companies will be rejected forthwith if mandatory conditions are not met. iii. Provide documentary evidence for mandatory evaluation like work orders/ completion certificates, affidavit, certificates etc.	

Financial Proposal

Provision & Installation of Ceiling Cassette Invertor Type Acs in Officers Café at PTA HQ < F-5/1, Islamabad.

Sr. no	Description of items	Qty	Unit	Unit Rate	GST	Unit Amount Including GST	Total Amount Including GST
1	44000- 48000 BTU Reversible (Heat & Cool) Ceiling Cassette Inverters	4	No				
	Provision of Ceiling cassette type specified Heat & Cool Inverter, Cooling Capacity of Min. 44000-48000 BTU and Heating Capacity of min 48000 BTU, Rotary / Scroll compressor, Refrigerant control should be EX- Valve and In door 4 way Discharge, Auto Air Swing, remote control and Auto Random Restart function of make DAIKEN/ MITSUBUSHI/ Samsung/ Hitachi/LG or equivalent imported. Complete in all respect i.e. (outdoor and indoor) along with standard piping. In addition they must have CFM values > 1100, Sound Db value 55 max. Having Ambient Temperature 48 deg Centigrade.						
	Extra Piping						
2	Extra copper piping (if Required)						
	Providing and fixing of Extra piping of copper for installation of units with complete fitting and insulation complete in all respect of make Muller, Trox or GD.						

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i	Liquid						
	3/8" Dia or as per manufacturers recommendation	150	Rft				
ii	Gas						
	3/4" Dia or as per manufacturers recommendation	150	Rft				
MS Bracket							
3	Providing & Fixing Steel Brackets of heavy duty and gauge to sustain the load of Outdoor units with base coat of red oxide and two coat of colour as per the requirements.	4	No.s				
Extra Gas Charging							
4	Supplying and charging of Extra Gas R410 A (USA make) complete in all respect or as per recommendation of manufacturer	30	Kg				
Drain Pipe							
5	Providing and fixing of drain Pipe (u PVC) Sch- 40 Class E of make AGM, DADEX of size 3/4" Dia with complete fitting/accessories complete in all respect.	150	Rft				
Wiring Work							
6	Providing and fixing of outdoor Water Proof DB (IP 65) of 18 Gauge with Powder coating and SWG 14 , water proof with complete bus bar all as specified of make Techman or equivalent with locking arrangements	1	Job				

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7	Breaker 32 Amp (4P) MG/ Schneider make with breaking capacity of 10 KA with complete installation all as spd.	4	No,s				
8	Providing and fixing of 10 mm 4 Core Cable (Pakistan) make complete in all respect. With all fittings accessories and clipping	150	Rft				
9	Providing and fixing of Communication Control Cable 2.5 mm single 5 Core Make Pakistan/ newage/ Fast or equivalent complete in all respect including all accessories for fitting i.e. piping, clipping etc.	170	Rft				
10	Providing and fixing of 6 mm 4 Core Cable (Pakistan) make complete in all respect.	200	Rft				
11	Providing and fixing of PVC Duct in Dura make complete in all respect along with accessories , ties etc.						
a	PVC Duct (60mm x 60mm)	50	Rft				
b	(25mm x 25mm)	50	Rft				
12	Providing and Fixing of 18 SWG GI Steel Duct with cover. Complete in all respect of following sizes						
a	6" x 3 "	70	Rft				
b	3" x 3 "	100	Rft				

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13	Cable trench along with GI pipe of 2 " dia Light along with back filling with PCC for passing of cable as per the location and satisfaction of engineering in charge (approx. 50 feet)	1	Job				
				Sub Total (A)			
Installation of Units							
14	Installation of units complete in all respect at the required places	4	No. s				
				Sub Total (B)			
				Grand Total (A+B)			

