



NOTICE INVITING TENDER

For General Work

(E – TENDERING MODE)

Item rate tenders are invited on behalf of Delhi Development Authority from approved and eligible contractors of DDA & CPWD and those of enlisted contractors of appropriate class of MES, BSNL, Railway (strike out as the case may be) dealing with E/M works for the following work :-

Name of Work	:	M/O Completed scheme in Dwarka Zone under Nazul-A/c-II.
SH	:	Supplying and Installation of Submersible Pump Sets at Nasir Pur, Pkt-21 & Budhjayanti Park, Pocket-10.

- 1 The enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.
- 2 The work is estimated to cost **Rs.3, 39,503/-** This estimate, however, is given merely as rough guide.
- 3 Intending tenderer is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority.
- 4 Agreement shall be drawn with successful tenderer on prescribed form attached. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
- 5 The time allowed for carrying out the work will be one **month** from the date of start as defined in Schedule F or from the first date of handing over the site, Which ever is later, in accordance with the phasing, if any, indicated in the tender documents.

- 6 The site for the work is available or as specified in the additional conditions attached.
- 7 The tender document consisting of specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except standard general conditions of contract form can be seen from website www.tenderwizard.com/DDA or www.dda.org.in.
- 8 Earnest money and cost of tender shall be deposited through RTGS/NEFT in the account of **Sr. A.O., CAU (Dwarka) DDA** having account no. **1290300366** with **Central Bank Of India, Manglapuri, New Delhi** branch (IFSC code **CBIN0283498**). The unique transaction reference of RTGS/NEFT shall have to be uploaded by the tenderer in the e-tendering system by the prescribed date. The Executive Engineer concerned will get tender cost/earnest money verified from CAU based on the unique transaction reference number against from each RTGS/NEFT payment before the tenders are opened.

A Part of earnest money is acceptance in the form of bank guarantee also. Earnest Money up to Rs. 20.00 lacs will have to be deposited through RTGS/NEFT mode. If the amount of E.M. is more than Rs. 20.00 lacs then the amount of E.M. beyond Rs. 20.00 lacs can be deposited in the form of Bank Guarantee also. Such Bank guarantee is to be scanned and uploaded to the e-tendering website within the period of tender submission.

- Earnest money and cost of tender have to be deposited through separate transactions.
- (i) Cost of Tender Document: **Rs.500.00 + DVAT @ 5%** (to be deposited through RTGS/NEFT in the account of the Sr. A.O. (CAU) of Dwarka.
- (ii) E-Tendering Processing Fee: **Rs.562.00** (to be deposited through E-Mode of ITI Limited in favour of M/s ITI Limited payable at Delhi).

The unique transaction reference of RTGS/NEFT against EMD, Cost of Tender Document and Bank Guarantee shall be placed in single sealed envelope superscripted as “Earnest Money, Cost of Tender Documents” with name of work and due date of opening of the bid mentioned thereon and will submit to tender opening Authority by.....(Date).

- 9 Copy of Enlistment Order and other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of tender

submission and certified copy of each shall be deposited in a separate envelope marked as **"Other Documents"**.

10 Both the envelopes shall be placed in another envelope with due mention of Name of work, date & time of opening of tenders and to be submitted in the office of Executive Engineer during the period mentioned above.

11 Online tender documents submitted by intending bidders shall be opened only of those bidders, whose Earnest Money Deposit, Cost of Tender Document and e-Tender Processing Fee and other documents placed in the envelope are found in order.

The bid submitted shall be opened at 03:30 pm on **21.03.2013** .

12 The contractor, whose tender is accepted, will be required to furnish performance guarantee of 5 % (Five percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs 10,000/-) or Deposit at call receipt of any scheduled bank/Banker's Cheque of any scheduled bank/Demand draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1, 00,000) or Government securities or fixed Deposit Receipts or Guarantee Bonds of any Scheduled bank or the State Bank of India in accordance with the prescribed form.

13 Intending Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity, access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract document. Submission of a tender by tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant etc will be issued to

him by the government and local conditions and other factors having a bearing on the execution of the work.

- 14 The competent authority on behalf of DDA does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without assigning any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected
- 15 Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
- 16 The competent authority on behalf of DDA reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- 17 The contractor shall not be permitted to tender for works in the DDA Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives of any Gazetted officer in DDA or in the Ministry of Urban development. Any breach of this condition by the contractor would render him liable to be removed from approved list of contractors of this department.
- 18 No Engineer of Gazetted rank or other Gazetted officer employed in engineering or Administrative duties in an Engineering department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from the Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found anytime to be such a person who had not obtained the permission of the DDA as aforesaid before submission of the tender or engagement in the contractor's service.
- 19 The tender for the work shall remain open for acceptance for a period of ninety (90) days from the date of opening of tender/ninety days from the date of opening of financial bid(strike out as the case may be). If any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any

modifications in the terms and conditions of tender which are not acceptable to the department, then the DDA shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the re tendering process of the work.

20 This 'Notice Inviting Tender' shall form part of the contract document. The successful tenderer/contractor on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of :-

a) The Notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

b) Standard NIT Form 8 or other Standard DDA Form as mentioned.

21 In case any discrepancy is noticed between the document as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.

ITEM RATE TENDER AND CONTRACT FORM

(for general works)

Name of Work	:	M/O Completed scheme in Dwarka Zone under Nazul-A/c-II.
SH	:	Supplying and Installation of Submersible Pump Sets at Nasir Pur, Pkt-21 & Budhjayanti Park, Pocket-10.

- i) To be submitted through E-Tendering up to 3.00 pm on 16.03.2013 to Executive Engineer, Electrical Division No.-12
- ii) To be opened through E-Tendering at 3.30 pm on 21.03.2013 by the Executive Engineer, Electrical Division No.-12

T E N D E R

I/ We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F. Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, special condition, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the DDA within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the clauses of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for ninety (90) days from the date of opening of financial bid and not to make any modifications in its terms & conditions.

A sum of **Rs.6, 790/-** deposited in the account of Sr.A.O, CAU(Dwarka) DDA is hereby forwarded in form of UTR of RTGS / NEFT /Bank Guarantee beyond 20 Lacs issued by a scheduled bank as earnest money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said DDA or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/we agree that DDA or its successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the

percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re tendering process of the work.

I/we hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/ confidential documents and shall not communicate information derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Signature of witness

Signature of contactor

Name:

Name:

Address:

Address:

Occupation:

A C C E P T A N C E

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the DDA for a sum of Rs. _____ * _____
(Rupees _____ * _____
_____)

The letters referred to below shall form part of this contract Agreement:

- i)
- ii)
- iii)

For & on behalf of Delhi Development Authority

Signature _____

Designation: Executive Engineer

Electrical Division No.-12

GENERAL RULES AND DIRECTIONS

1. All work proposed for execution by contract will be notified in a form of invitation to tender pasted in public places & signed by the officer inviting tender or by publication in News paper as the case may be.

This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited along with tender, the Performance Guarantee to be deposited by the successful agency / contractor and the amount of security deposit to be deducted from bills. Copies of the specifications, designs and drawings and any other documents required in connection with the work signed for the purpose of identification by the officer inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.

2. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act, 1952.
3. Receipts for payment made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.
4. Any person who submits a tender shall fill up the Schedule of Quantities, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who wish to tender for two or more

works shall submit separate tender for each. Tender shall have the name and number of the works which they refer, written on the envelopes.

5. The officer inviting tender or his duly authorized representatives will open tenders and will enter the amounts of the several tenders in a comparative statement in a suitable form. In the event of a tender being accepted, a receipt for the earnest money shall be thereupon be given to the contractor who shall thereupon for the purpose of identification of copies of the specifications and other documents mentioned in Rule-1 In the event of a tender being rejected, the earnest money shall thereupon be returned to the contractor remitting the same, without any interest.
6. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
7. The receipt of an accountant or clerk for any money paid by the contractor will not be considered as any acknowledgement or payment to the officer inviting tender and the contractor shall be responsible for seeing that he procures a receipt signed by the officer inviting tender or a duly authorized Cashier.
8. The memorandum of work tendered for and the schedule of materials to be supplied by the department and their issue-rates, shall be filled and completed in the office of the officer inviting tender before the tender form is uploaded. If a form is uploaded on website without having been so filled in and incomplete, he shall request the officer to have this done before he completes his tender.
9. The tenderers shall sign a declaration under the officials Secret Act 1923, for maintaining secrecy of the tender documents, drawings or other records connected with the work given to them. The unsuccessful tenderer(s) shall return all the drawings given to them.
10. In the Item Rate Tenders only rates quoted shall be considered. Any tender containing percentage below/ above the rates quoted is liable to be rejected. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words.

However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words, then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount. In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s), and amount blank, it will be presumed that the contractor has included the cost of this/these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.

11. In the case of any tender where unit rate of any item/ items appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.
12. All rates shall be filled in tender form. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates in figures as well as in words and the amount in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures, the word 'Rs.' should be written before the figure of rupees and word 'P' after the decimal figures, e.g. 'Rs.2.15 P' and in case of words, the word, 'Rupees' should precede and the word 'Paise' should be written at the end. Unless the rate is in whole rupees and followed by the word 'only' it should invariably be up to two decimal places. While quoting the rate in schedule of quantities, the word 'only' should be written closely following the amount and it should not be written in the next line.

13(i) The contractor whose tender is accepted will be required to furnish performance guarantee of 5% (five percent) of the tendered amount within the period specified scheduled F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs 10,000/-) or deposit at call received of any scheduled bank/Banker's cheque of any scheduled bank/ Demand Draft of any scheduled bank/pay

order of any scheduled any bank (in case guarantee amount than Rs 1,00,000/-) or Govt. securities fixed deposit receipts or guarantee bonds of any scheduled bank or the state Bank of India in accordance with the prescribed form.

- (ii) The contractor whose tender is accepted, will also be required to furnish by way of security Deposit for the fulfillment of his contract, an amount equal to 5% of the tendered value of work. The security deposit will be collected by deductions from the running bills of the contractor at the rates mentioned above and the earnest money deposited at the time of the tenders, will be treated as part of the security deposit. The security deposit will also be accepted in cash or in the shape of government securities. Fixed deposit receipt of a Scheduled bank or State Bank of India will also be accepted for this purpose provided conformity advice is enclosed.

14. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Engineer-in-Charge shall be communicated in writing to the Engineer-in-Charge.

15. Sales-Tax / VAT (Except Service Tax) Purchase Tax, Turnover Tax or any other tax on material in respect of this contract shall be payable by the Contractor and DDA will not entertain any claim whatsoever in respect of the same. However, in respect of service tax, same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-in-Charge after satisfying that it has been actually and genuinely paid by the contractor.

16. The contractor shall give a list of both gazetted and non-gazetted DDA employees related to him.

17. The tender for the work shall not be witnessed by a contractor or contractors who himself/ themselves have/ have tendered or who may have/ have tendered for the same work. Failure to observe this condition would render, tenders of the contractors tendering, as well as witnessing the tender, liable to summary rejection.

18. The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the DDA may in his discretion, without prejudice to any other right or remedy available in law, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

For General Works

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE

(Applicable for inviting open tenders)

The Executive Engineer (E), Electrical Division No. 12 on behalf of Delhi Development Authority invites online Item rate tenders from approved and eligible contractors of DDA, CPWD and those of enlisted contractors of appropriate class of M.E.S., BSNL, Railway for the following work.

NIT No.	:	147/EE/ED-12/DDA/2012-13
Name of Work	:	M/O Completed scheme in Dwarka Zone under Nazul-A/c-II.
Sub Head	:	Supplying and Installation of Submersible Pump Sets at Nasir Pur, Pkt-21 & Budhjayanti Park, Pocket-10.
Estimated Cost put to tender	:	Rs.3,39,503/-
Earnest Money	:	Rs.6,790/-
Period of Completion	:	One month
Date of Commencement of e-tender	:	07.03.2013
Last date & time of requisition of application of e-tender	:	16.03.2013 3.00 pm
Last date of submission of cost of tender, EMD & e-tender processing fee	:	16.03.2013 3.00 pm
Date of Pre-Bid	:	12.03.2013 12.00 NOON
Last date of scanning & uploading UTR of RTGS / NEFT against cost of tender, EMD & other documents	:	16.03.2013 3.00 pm
Last date & time for submission of e-tender		16.03.2013 3.00 pm
Last date & time for submission of certified	:	18.03.2013 3.00 pm

hard copies of EMD, Cost of Tender Document , E-Tender processing Fee & other Documents to Executive Engineer		
Time & date of Opening of technical bid.	:	20.03.2013 3.00 pm
Time & date of Opening of Financial bid	:	21.03.2013 3.30 PM

- 1 The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen from website www.tenderwizard.com/DDA or www.dda.org.in free of cost.
 - 2 The enlistment of the contractors should be valid on the last date of submission of tenders. In case only the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.
 - 3 Those contractors not registered on the website mentioned above, are required to get registered beforehand. The intending bidder must have valid class-II digital signature to submit the bid.
 - 4 Earnest money and cost of tender shall be deposited through RTGS/NEFT in the account of **Sr. A.O.,CAU(Dwarka)DDA having account no. 1290300366 with Central Bank Of India, Manglapuri, New Delhi branch (IFSC code CBIN0283498)**. The unique transaction reference of RTGS/NEFT shall have to be uploaded by the tenderer in the e-tendering system by the prescribed date. The Executive Engineer concerned will get tender cost/earnest money verified from CAU based on the unique transaction reference number against from each RTGS/NEFT payment before the tenders are opened.
A Part of earnest money is acceptance in the form of bank guarantee also. Earnest Money up to Rs. 20.00 lacs will have to be deposited through RTGS/NEFT mode. If the amount of E.M. is more than Rs. 20.00 lacs then the amount of E.M. beyond Rs. 20.00 lacs can be deposited in the form of Bank Guarantee also. Such Bank guarantee is to be scanned and uploaded to the e-tendering website within the period of tender submission.
 - Earnest money and cost of tender have to be deposited through separate transactions.
- i) Cost of Tender Document: **Rs.500.00 + DVAT @ 5%** (to be deposited through RTGS/NEFT in the account of the Sr. A.O. (CAU) of Dwarka..

ii) E-Tendering Processing Fee: **Rs.562.00** /- (to be deposited through E-Mode of ITI Limited in favour of M/s ITI Limited payable at Delhi).

The unique transaction reference of RTGS/NEFT against EMD, Cost of Tender Document and Bank Guarantee shall be placed in single sealed envelope superscripted as “Earnest Money, Cost of Tender Documents” with name of work and due date of opening of the bid mentioned thereon and will submit to tender opening Authority by 18.03.2013.

5. Copy of Enlistment Order and other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of tender submission and certified copy of each shall be deposited in a separate envelope marked as "**Other Documents**".

Both the envelopes shall be placed in another envelope with due mention of Name of work, date & time of opening of tenders and to be submitted in the office of Executive Engineer during the period mentioned above.

- 6 Online tender documents submitted by intending bidders shall be opened only of those bidders, whose proof of submission of Earnest Money Deposit, Cost of Tender Document and e-Tender Processing Fee and other documents placed in one envelope (containing envelopes of (**Earnest Money, Cost of Tender Document & Other Documents**) have been submitted to EE and are found in order.

- 7 **List of Documents to be “scanned and uploaded” within the period of tender submission:**

- i) Enlistment Order of the Contractor.
- ii) Certificate of Registration for Sales Tax / VAT and Service Tax and acknowledgement of up to date filed return.



DELHI DEVELOPMENT AUTHORITY

Name of Work: - M/O Completed scheme in Dwarka Zone under Nazul-A/c-II.
SH : - Supplying and Installation of Submersible Pump Sets at Nasir Pur, Pkt-21 & Budhjayanti Park, Pocket-10.

SCHEDULE OF QUANTITIES

Estimate Cost:-3,39,503/-

S. No.	Description of Item	Qty	Unit	Rate	Rate in words	Amount
1	Supplying of submersible pump set duly coupled with suitable rating 3 Phase 415 Volts 50 Hz. 3000 RPM,(synchronous speed) submersible induction motor. The Pump set shall be suitable for the following duties Discharge Head 156 LPM 63 mtrs.	1.00	Set			
a)						
b)	94 LPM 74 mtrs.	1.00	Set			
2	Supply of following size of G.I. pipe, medium class i/c G.I. Pipe flange duly screwed and welded on both ends of G.I. pipe of 3 mtr length, Bend, Tee etc. as reqd. a) 50 mm dia.	160.00	Mtr			

3	Supply of PVC insulated/PVC sheathed copper cond. submersible cable of following size i/c connection testing etc. as reqd. a) 1 x 3 x 2.5 sq. mm.	250.00	Mtr		
4	Lowering testing, commissioning of submersible Pump Set along with 50 mm dia. G.I. pipe flanged type and submersible cable i/c jointing and accessories upto the required depth. Providing & fixing 2 Nos. M.S. clamps of made of 75 mmx10mmx50mm along with nut bolts & cutting the existing cover bore making suitable removable cover and fixing the submersible cable with insulated wire with G.I pipes complete as reqd.	2.00	Set		

5	<p>Supplying & Fixing cubical type floor mounted outdoor type feeder pillar of size 1000mm x 900mm x 300 mm deep made out of 1.6mm thick M.S. sheet i/c Supplying & Fixing of following accessories, welding of M.S. angle iron of size 40mm x 40mm x 6mm x 1 mtr. long (4 Nos.) with feeder pillar and grouted in the ground in 1:3:6 C.C. foundation and should be 0.7 mtr. above the ground level, legs should be covered with brick wall i/c connection with suitable size of copper cond. Cable, interconnection, Welding, painting, testing, commissioning etc. as required. a) Volt meter 0-500 Volt with selector switch ----- 1 No.b) Ammeter 0-30 Amp. ----- 1</p> <p>No.c) Indicating Lamp Set with toggle switches ----- 1 Set d) Single phase preventor --- 1 No.e) star delta starter ----- 1 No. f) 63 Amps. TPN - MCB (C-Series) ----- 1 No.h) 32 Amps. TP - MCB (C-Series) ----- 2 Nos.i) 32 Amps. DP - MCB (C-Series) ----- 1 No.j) Capacitor 3 KVAR ----- 1 No.k) 100 Amp. 4 strips Al. bus bar of suitable size --1 Set.l) 10 mm thick Bakelite sheet with 3 Nos. 63 Amp. Kitkat and neutral link of porcelain material -- 1 Set m) Danger notice plate 2mm thick aluminium ----- 1 No.n) Space for three phase energy meter ----- 1 No.</p>	2.00	Set		
---	---	------	-----	--	--

6	Supply of following size XLPE insulated & PVC sheathed, aluminum conductor armored power cable of 1.1 KV grade testing etc. as reqd. a) 4 x 25 sq.	350.00	Mtr		
7	Laying of one No PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of size not exceeding 25 sq. mm direct in ground i/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	300.00	Mtr		
8	Laying of one No PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of size not exceeding 25 sq. mm. in the existing RCC/Hume/Stoneware/Metal Pipe as reqd.	50.00	Mtr		
9	Earthing with G.I. Earth pipe 4.5 mtr long, 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.	4.00	Set		
10	Providing & Fixing of 25mm x 5mm GI strip on surface or in recess for connection etc. as required.	10.00	Mtr		

11	Providing & Fixing of 25mm x 5mm GI strip in 40 mm dia G.I. pipe from earth electrode, as required.	10.00	Mtr		
12	Supply & fixing of 50 mm dia cast iron double flanged (with out by pass) NRV of PN 1.6, C.I. body door, rubber rings , SS410 hinge pin , i/c S/F of suitable size nuts, bolts, washers, etc. as reqd.	2.00	Each		
	TOTAL				
	Say:-				

ADDITIONAL CONDITIONS & SPECIFICATIONS

CONDITIONS

1. The contractor must get acquainted with the proposed site for the work and study specifications and conditions carefully before tendering. The work shall be executed as per programme approved by the Engineer-in-charge. The work shall be executed in close coordination with the progress of the building work. If the site for electrical work is not available in part or in full for any reason whatsoever, the time for the execution of the electrical work shall be correspondingly extended. No claim for any idle labour or compensation (except as provided under clause 10C / 10CC as applicable in the printed conditions of contract) shall be entertained.
2. Testing of installation:
 - (i) The online system shall be tested to the satisfaction of Engineer-in-charge.
 - (ii) Tests shall be performed in the presence of Engineer-in-charge or his representative.
 - (iii) The contractor shall provide all labour, equipments and material required for performance of the tests
3. The rates quoted by the contractor, shall be firm and should be inclusive of all central / state govt., taxes, duties and levies etc.
4. Concessional Sales Tax Form C/D shall not be issued by the Department.
5. The installation shall be covered by the conditions that the whole installation or any part thereof found defective within the guarantee period should be replaced by the contractor free of charge in a reasonable time. The guarantee shall cover the followings:
 - (a) Quality strength and performance of the material and equipment used.
 - (b) Safe electrical and mechanical strength of all parts of the equipments under all specified conditions of operations / satisfactory performance.
 - (c) Safe performance figure and other values as specified in the schedule of guarantee / technical particulars.
 - (d) Prompt service during guarantee period.
 - (e) Attending to consequential damages in the equipments supplied and installed by the tenderer.
 - (f) Guarantee period of 12 months shall be counted from the date of handing over of installation to the department.
6. Contractor shall provide the manufacturer test certificate in respect of all major items.
7. The contractors shall be fully responsible for watch and ward of the material brought / work executed at site till the same is complete and taken over by the department.
8. After the award of work, the contractor shall get all the materials approved from the Engineer-in-charge before use in the work. The contractor shall also produce test certificate for conformity with relevant IS specification if required by the Engineer-in-charge.
9. The submersible cable from panel T.W. bore shall be laid in 40mm dia. G.I. 'B' class pipe, the cost of which is included in the item of panel board.
10. Flyash bricks shall be used in the work wherever required.

SPECIFICATIONS

11. The work as indicated in the schedule of quantities attached herewith including any modifications, additions, alterations ordered subsequently shall be carried out as per specifications given below:-
 - (i) CPWD specifications for Electrical Works at Delhi Part-I (Internal) 2005 and Part-II (External) 1994 with amendments upto the date of tenders.

- (ii) Indian Electricity Rules 2005 as amended upto date.
 - (iii) A table including the makes, governing specifications and other details in respect of some of the important materials to be used in the work is attached. These specifications shall have preference over those indicated in 14(i) above.
 - (iv) Only material bearing ISI/BIS certifications mark shall be used in the work. Where articles of different designs / make bearing ISI/BIS certification mark are available, the decision of Engineer-in-charge about the design / make to be used in the work shall be final and binding on the contractor.
 - (v) Where material bearing ISI/BIS certification marks are not available, material conforming to relevant BIS/ISI shall be used with prior approval of Engineer-in-charge.
 - (vi) If the specifications of any item are not available then the decision of the Engineer-in-charge regarding quality shall be final and binding on the contractor.
12. Earthing work i.e. embedding of earth electrode and testing of installations, shall be carried out in the presence of the Assistant Engineer(Elect.).
13. The lengths of G.I. pipe to be used in the work for installation of the submersible pump set shall not be more than three meters.
14. In case of any discrepancy in the description of any item given in the schedule of quantities and the specifications, the former shall prevail. If the specifications of any item are not available, the decision of Engineer-in-charge shall be final.

EXECUTIVE ENGINEER
ELECT. DIV.12/D.D.A.

MAKES OF MATERIAL AND GOVERNING SPECIFICATIONS

S. No.	Item	<u>Governing Specification</u>	Remarks / Makes
1.	Submersible Pump set	----	K.S.B. / Kirloskar / Crompton Greaves /B.S.
2.	C.I Sluice Valves	IS : 14846	I.V.C. / Kirloskar
3.	C.I Non return valves	IS : 5312	I.V.C. / Kirloskar
4.	G.I. Pipe	IS : 1239	Jindal(Hissar) / Surya / Tata
5.	Starter	----	L&T / Siemens / Cutler Hammer
6.	Shunt capacitor	----	GE / Madhav / Crompton / L&T
7.	Pressure gauge	----	ANI / HGI / Fiebig / Praga
8.	Single Phase preventor-cum-water level guard	----	L&T / Minilec
9.	Ammeter & Voltmeter	IS : 1248	AE / Havells / UEL / IMP
10.	PVC Sheathed, PVC insulated flat submersible copper cable.	IS : 694	Plaza / Finolex / Safex
11.	Rubber mat		ISI marked
12.	Selector switch	----	Havells / Thakur / L&T / Kaycee
13.	PVC insulated FRLS Copper wire	IS : 694	Skytone / National / Ecko / Havells
14.	MCB	IS : 8828	Standard / L&T / MDS/Indokopp /ACTION
15.	XLPE insulated, PVC Sheathed 1.1 KV grade Al. cond. Armoured cable	IS : 7098(Part-I&II)	Asian Cable / Unistar / Ecko / Skytone /Havells/Grandlay
16.	Panel Board	----	Shall be fabricated as per approval of Engineer-in-charge
17.	Mandatory control panel	-----	Cutler Hammer/ L& T/Bentex/Darling