

**ELECTRIC & WATER SUPPLY SERVICES
BANARAS HINDU UNIVERSITY
VARANASI**

Name of work : Pipeline connectivity and submersible pumps along with associated column pipes, electrics etc. for 2 Nos. new 14"x8" Tubewells at Jodhpur Colony BHU Varanasi

NIT

**Superintending Engineer
EWSS, Banaras Hindu University, Varanasi**

ABSTRACT OF COST

Name of work:

Pipeline connectivity and submersible pumps along with associated column pipes, electrics etc. for 2 Nos. new 14"x8" Tubewells at Jodhpur Colony BHU Varanasi

| Sl. No. | Details of Sub-Head | Total Amount (in Rupees) |
|---------|--|-----------------------------|
| | Pipeline connectivity and submersible pumps along with associated column pipes, electrics etc. for 2 Nos. new 14"x8" Tubewells at Jodhpur Colony BHU Varanasi | 60,00,000/- |

Assistant Engineer
EWSS, BHU

Executive Engineer
EWSS, BHU

Superintending Engineer
EWSS, BHU

This NIT containing pages as per Index amounting to Rs. 60,00,000/- (Rupees Sixty lacs only) is hereby approved.

**Superintending Engineer
EWSS, Banaras Hindu University, Varanasi**

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Executive Engineer
EWSS, BHU

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING

The Superintending Engineer, university Electric & Water Supply Services, on behalf of Registrar of Banaras Hindu University, Varanasi, India invites online, item rate Bids from Firms/Contractors of repute in Single Bid system for the following work :-

| S.NO | Description | |
|------|--|--|
| 1 | Tender Ref. No. | EWSS/2020-21/WS/ Pipeline installation/BHU /01 dtd. 27.06.2020 |
| 2 | Name of Works & Location | Pipeline connectivity and submersible pumps along with associated column pipes, electrics etc. for 2 Nos. new 14"x8" Tubewells at Jodhpur Colony BHU Varanasi |
| 3 | Total Estimated cost put to tender | Rs. 60,00,000/- |
| 4 | Total Earnest Money | Rs. 1,20,000/- |
| 5 | Period of Completion | 4 months |
| 6 | Last Date & Time of Submission of Technical And Financial Bids | 22.07.2020 by 4.00 PM |
| 7 | Date of opening of BID | 24.07.2020 at 3.00 PM |

1. Contractors who fulfill the following requirements shall be eligible to apply. **Joint ventures are not accepted.**
 - (a) Should have satisfactorily completed the Providing and laying DI pipe by excavation in hard rock Job as mentioned below during the last Seven years ending 31st March, 2020: -
 - (i) Three similar works each costing not less than Rs. **24.00 lacs** or two similar works each costing not less than Rs. **36.00 lacs** or one similar work costing not less than Rs. **48.00 lacs.**

And

 - (ii) One completed job of similar nature (either part of (i) above or a separate one) costing not less than Rs. **24.00 lacs** with some Central Govt. Department/ State Government Department / Central Autonomous Body/ State Autonomous Body/ Central Public Sector Undertaking/ State Public Sector Undertaking /City development Authority/ Municipal Corporation of City formed under any Act by Central/ State Government and published in Central/ State Gazette.

Similar job shall mean **"DI/ CI piping work, 30HP-50HP Submersible pump installation & other associated electric/ water work for water supply system in any organization"**. The value of executed job shall be brought to the current costing level by enhancing the actual value of job at simple rate of 7% per annum; calculated from the date of completion to last date of receipt of applications for bids.

 - (iii) **While considering any similar job executed by applicant firm under joint venture, the experience of the applicant firm in that job shall be restricted to its share/responsibilities as reflected in the Memorandum of Understanding (MoU), signed between the parties, while forming joint venture for that job, attested copy of which shall be submitted along with the technical bid.**
 - (b) Should have had average annual financial turnover of **`Rs. 18.00 Lacs** on similar works during the last three consecutive financial years ending 31st March 2020.
 - (c) Should not have incurred any loss in more than two years during the last five years ending **31st March, 2020.**
 - (d) Should have a solvency certificate of **`Rs. 24.00 Lacs** issued by Bank during the last six months
2. The intending bidder must read the terms and conditions carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

The agency should also enclose along with the documents a separate annexure showing the details of the works which he intends to be considered for deciding his fulfillment of eligibility criteria as per the requirements of the NIT provisions.
3. Information and Instructions for bidders posted on website shall form bid documents.

4. The bid document consisting of information & instruction for tenderer, EWSs e-Tender, scope of work & specification to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.eprocure.gov.in or www.bhu.ac.in free of cost.
5. But the bid can only be submitted after giving the details of the mandatory documents such as Demand-Draft or Fixed Deposit Receipts or Bank Guarantee of any Scheduled Bank towards EMD in favor of **Superintending Engineer, Electric & Water Supply Services, Banaras Hindu University, Varanasi** and other scanned documents as specified.
6. Those contractors not registered on www.eprocure.gov.in website, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
7. The intending bidders must have valid Class-III digital signature to submit the bid.
8. On opening date of the financial bid, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of PDF format.
10. Contractor must ensure to quote rate of each item.
In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0".
Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
11. The department reserves the right to reject any prospective application without assigning any reason whatsoever and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
12. It shall be mandatory to sign the Integrity Pact by the bidder / contractor failing which tenderer / bidder may be disqualified from the tendering process and the bid of the bidder would be summarily rejected in case of manual tendering.
13. The EMD can be paid in the form of Demand Draft or Fixed Deposit Receipts or Bank Guarantee of any Scheduled Bank. The intending bidder has to fill all the details such as Banker's name, Demand Draft/Fixed Deposit Receipt/ Bank Guarantee, amount and date/ bank Guarantee.

List of Documents to be scanned and uploaded up to date and time mentioned above:

1. Category/ Enlistment order of the contractor.
2. Certificates of Work Experience.
3. Certificate of Financial Turnover from CA for the last three consecutive financial years.
4. Certificate of Registration for GST/IT & Income Tax Return for the last three consecutive financial years.
5. Bank Solvency Certificate issued by any scheduled bank.
6. Affidavit as per provision of Clause-1.2.2 of **EWSS e-TENDER**
7. Integrity Pact & EWSS Form-1 (Item rate Tender for AMC work) duly signed by the Tenderer.
8. Any Other document as specified in Eligibility Criteria and/or in EWSSe-TENDER

EWSS e-TENDER

1. The Superintending Engineer, EWSS, BHU invites the online item rate Bids from Firms/Contractors of repute in Single Bid system for the following works:

“Pipeline connectivity and submersible pumps along with associated column pipes, electrics etc. for 2 Nos. new 14”x8” Tubewells at Jodhpur Colony BHU Varanasi”

- 1.1 The works is totally estimated to cost **Rs. 60.00 Lacs. inclusive of all GST**. This estimate, however, is given merely as a rough guide.

- 1.2 Intending bidder 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, of having satisfactorily completed similar jobs of magnitude specified below:-

- 1.2.1 Criteria of eligibility for submission of bid documents:

Joint ventures are not accepted.

- (a) Should have satisfactorily completed the jobs as mentioned below during last seven years ending 31st March, 2020:

- (i) Three similar works each of value not less than `Rs. **24.00 Lacs** or two similar works each of value not less than `Rs. **36.00 Lacs** or one similar work of value not less than `Rs. **48.00 Lacs**.

And

- (ii) One completed work of any nature (either part of (i) above or a separate one) costing not less than **Rs. 24.00 Lacs** with some Central Govt. Department/ State Government Department / Central Autonomous Body/ State Autonomous Body/ Central Public Sector Undertaking/ State Public Sector Undertaking/ City development Authority/ Municipal Corporation of City formed under any Act by Central/ State Government and published in Central/ State Gazette.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of receipt of applications for tenders.

Similar job means **“DI/ CI piping work, 30HP-50HP Submersible pump installation & other associated electric/ water work for water supply system in any organization”**

- (iii) **While considering any similar job executed by applicant Firm under joint venture, the experience of the applicant Firm in that work shall be restricted to its share/ responsibilities as reflected in the Memorandum of Understanding (MoU), signed between the parties, while forming joint venture for that job, attested copy of which shall be submitted along with the technical bid.**

- (b) Should have had average annual financial turnover of `Rs. **18.00 Lacs** on similar works during the last three consecutive financial years ending 31st March, 2020. This should be duly audited by a Chartered Accountant. The year in which no turnover is shown would also be considered for working out the average.

- (c) Should not have incurred any loss in more than two years during the last five years ending 31st March, 2020.

- (d) Should have a solvency certificate of `Rs. **24.00 Lacs** issued by Bank during the last six months.

- 1.2.2 **To become eligible for issue of tender, the contractors shall have to furnish an affidavit as under:-**

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in EWSS, BHU in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/ (Scanned copy to be uploaded at the time of submission of bid).

2. After submission of the tender the contractor can re-submit revised tender any number of times but before last time and date of submission of tender as notified.
3. While submitting the revised bid, contractor can revise the bid price, but before last time & date of submission of tender as notified.
4. The quoted base price shall remain FIRM till the completion of work.
5. a) Earnest Money `Rs. 1,20,000/- can be paid in the form of Demand Draft or Fixed Deposit Receipt (**drawn in favor of Superintending Engineer, EWSS, BHU, Varanasi, payable at Varanasi**) or Bank Guarantee of any Scheduled Bank wherever applicable in accordance with the Form annexed hereto having validity for 6 months or more from the last date of receipt of tenders shall be scanned and uploaded to the e-tendering website within the period of tender submission.

b) Cost of Tender Document – NIL

Demand Draft or FDR or Bank Guarantee against EMD shall be placed in single sealed envelope superscripted as “Earnest Money” with name of work/job and due date of opening of the tender also mentioned thereon.

6. Copy of certificate of work experience, certificate of financial turnover from CA, Certificate of Registration for GST/IT, Bank Solvency Certificate and all other documents mentioned in the NIT shall be scanned and uploaded to the e-tendering website within the period of tender submission and certified copy of each of them shall be deposited in a separate envelope marked as “Eligibility Documents”

Both the envelopes shall be placed in another envelope with due mention of Name of work/ job and due date of opening of tenders and to be submitted in the office of **Superintending Engineer, EWSS, BHU, Varanasi** before last date & time of submission of bid and up to **4.00 PM on 22.07.2020** The documents submitted shall be opened at **03:00 PM on 24.07.2020**

Online Bid Documents submitted by intending bidders shall be opened only for those bidders, whose Earnest Money deposit and other documents placed in the envelope are found in order.

7. The bid submitted shall become invalid and cost of bid & e-Tender processing fee shall not be refunded if:
 - (i) The bidders is found ineligible.
 - (ii) The bidders does not upload all the documents (including GST/IT Registration) as stipulated in the bid document.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically in the office of tender opening authority.
8. The successful Tenderer/ contractor shall furnish Security Deposit @ 5% of the total contract/order value in the form of Demand Draft/Fixed deposit receipt/ Bank Guarantee of any scheduled Bank on commencement of work. The Security Deposit shall remain valid till the expiry of performances Guarantee period.
9. The tenderers are advised to read and examine in detail the tender documents for the work. They should inspect and examine the site and its surroundings to satisfy themselves before submitting their tenders.
10. The competent authority on behalf of the University does not bind itself to accept the lowest tender or any other tender & reserves the right to split the work into more than one tenderer. The University also reserves the right to reject any or all the tenders without assigning any reason whatsoever. All tenders in which any of the prescribed condition is not fulfilled by the tenderer shall be summarily rejected.
11. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
12. The contractor shall not be permitted to tender for works/job in the EWSS, if his near relative is posted as an officer in any capacity between the grades of Superintending Engineer and Assistant Engineer (both inclusive).. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
13. 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 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 any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
14. The bid for the works shall remain open for acceptance for a period of (120) one hundred twenty days from the date of opening of financial bids. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then BHU, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the re-bidding process of the work.

15. This notice inviting bid shall form a part of the contract/work order document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall start the work from the stipulated date of start of the work as per contract/ work order.
16. The tenderers shall quote price for each item strictly as per price schedule (BOQ). Any discount/rebate to be considered by the tenderers shall be included in the basic price in the price schedule (BOQ). Hence basic price shall be determined by the tenderers after considering the discount/rebate if any. So any discount/rebate even if specified by the tenderer anywhere else in their offer shall not be taken into account for Tender evaluation.
17. 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.
18. Bids will be evaluated on item rate basis and the work Contract/ order will be awarded to the successful Bidder on the basis of total price for all the items
19. After acceptance of the bid by competent authority, the superintending engineer/ executive engineer shall issue the letter of intent/contract/work order on behalf of the University.
20. The quantities of work indicated in 'Bill of Quantities' (BOQ) are approximate only and may vary $\pm 10\%$ during actual execution of work. However, payment shall be made on item rate basis for the actual quantities of work executed at site & duly verified by the Engineer Incharge. No extra payment will be admitted for incidental and contingent work, labour and /or materials for successful completion of the work.No idle labour/idle equipment charges for any reason shall be admitted
21. Scheduled completion Period: The completion period of the entire work under scope is 4 months.
22. Terms of Payment:
- a) The contractor shall not be paid any advance in any form or deposit for work.
 - b) Payment alongwith all applicable GST shall be made as running bill on prorata basis after satisfactory completion of the executed portion of work.
23. **Performance Guarantee:**
- The Contractor shall guarantee the entire work under his scope & materials supplied (including bought-out equipment) by him for a period of 12 months from the date of final acceptance/commissioning against inadequacy in design, defective material, error in detailing work, faulty workmanship etc.
- In the event of any inadequacy, defect, error, fault occurring during the guarantee period, it shall be the responsibility of the contractor to rectify the same with no extra cost to the University

INTEGRITY PACT

To,

.....*.....,
.....*.....,
.....*.....

Sub: NIT No. ----- for the

Pipeline connectivity and submersible pumps along with associated column pipes, electric etc. for 2 Nos. new 14”x8” Tubewells at Jodhpur Colony BHU Varanasi

Dear Sir,

It is here by declared that EWSS is committed to follow the principle of transparency, equity and competitiveness in public procurement/ work.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Tenderer will sign the integrity Agreement, which is an integral part of tender/tender documents, failing which the tenderer will stand disqualified from the tendering process and the tender of the tenderer would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of Registrar, Banaras Hindu University.

Yours faithfully

Superintending Engineer

*To be filled in by the S.E

INTEGRITY PACT

To,

Superintending Engineer, Electric
& Water Supply Services,
Banaras Hindu
University, Varanasi.

Sub: Submission of Tender for the work of

Pipeline connectivity and submersible pumps along with associated column pipes, electric etc. for 2 Nos. new 14"x8" Tubewells at Jodhpur Colony BHU Varanasi

Dear Sir,

I/We acknowledge that EWSS is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/tender document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that **THE MAKING OF THE TENDER SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE** of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/tender is finally accepted by EWSS. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/tender, EWSS shall have, absolute and unfettered right to disqualify the tenderer and reject the tender in accordance with terms and conditions of the tender.

Yours faithfully

(Duly authorized signatory of the Tenderer)

**BANARAS HINDU UNIVERSITY
ELECTRIC & WATER SUPPLY SERVICES**

ITEM RATE TENDER FOR WATER SUPPLY WORK

Tender for the work of:

Pipeline connectivity and submersible pumps along with associated column pipes, electrics etc. for 2 Nos. new 14"x8" Tubewells at Jodhpur Colony BHU Varanasi

(Time)

(Date)

- (i) To be submitted by **4.00 PM on 22.07.2020** in the office of Superintending Engineer, EWSS, BHU, Varanasi.
- (ii) To be opened in presence of tenderers who may be present at **03:00 PM on 24.07.2020** in the office of the Superintending Engineer, Electric & Water Supply Services, BHU, Varanasi

TENDER

I/We have read and examined in detail the notice inviting tender, scope of work & specification, general terms & condition of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work/job specified for the BHU within the time specified in NIT and in accordance with the scope of work & specification , instructions to tenderers, general terms & condition of contract etc in all respect.

We agree to keep the tender open for 120 (one hundred twenty) days from the due date of its opening and not to make any modification in its terms and conditions.

A sum of **Rs. 1,20,000/-** is hereby forwarded in fixed deposit receipt of scheduled bank/demand draft of a scheduled bank as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the university has to right to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that the university has to right to forfeit the said performance guarantee absolutely. The said performance guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to there in. Further, I/We agree that in case of forfeiture of Earnest Money or Security Deposit/ Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in EWSS in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit.

I/We hereby declare that I/We shall treat the tender documents and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom 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.

Dated:

Signature of the tenderer

Witness:

Postal Address

Address: Occupation:

General Terms & conditions of contract

1. The work shall be carried out completely in the neat manner & all the installation shall meet the requirement of the latest amendment/revision of the Indian Electricity Rules and other statutory regulations viz U.P. State construction & labor laws as applicable to BHU as far as safety, earthing etc. are concerned.
2. All safety rules & codes shall have to be followed without any exception.
3. The contractor shall have to submit, if required his valid labour license & employees provident fund registration documents before commencement of work.
4. All the statutory deductions viz. Income Tax, GST on works contracts etc. if required, shall be made from the contractor's bills as per rules/regulations/acts in force
5. The contractor shall fully comply with all legal orders and directions of the Public or local authorities or municipality by their rules and regulations and pay all fees and charges for which he may be liable in this regard. Nothing extra shall be paid/reimbursed for the same.
6. Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on account of the same.
7. The entire work shall have to be supervised & carried out by the technical staff of the contractor as mentioned in the scope of work.
8. Safe keeping & storage of testing equipment & other materials brought to site by the contractor) shall be the responsibility of the contractor till the completion of the entire work under scope. The University shall in no way be responsible for any loss/damage to the materials on any account.
9. All necessary tools, tackles, equipment & other accessories viz hard ware, consumables, packing, cleaning materials, chemicals etc. required for execution of the entire work under scope shall be supplied and maintained by the contractor at his own cost. In case the contractor fails to do so whenever required and as per the direction of the Engineer-in-charge, he (Engineer-in-charge) shall be at a liberty to get the same deployed at the risk and cost of the contractor.
10. The contractor shall be responsible for the repair jobs of any damages made by him during execution of work.
11. Quality of the entire work under scope is of utmost importance. The contractor shall ensure quality control measures on different aspects of the entire work under scope including materials, workmanship and correct maintenance methodologies to be adopted
12. Throughout the execution of the work, the contractor shall perform clean-up on a day-to- day basis. Contractor shall be responsible for regular removal and cleaning of spillage/debris/ fall-outs etc., if any, from the operational, maintenance areas etc. consequent to and arising out of his work by removing & disposing spillage/accumulation as may be necessary and/or directed by EWSS at his own cost and arrangement to dumping site for refuse etc.

SCOPE OF WORK & SPECIFICATION

Pipeline connectivity and submersible pumps along with associated column pipes, electrics etc. for 2 Nos. new 14"x8" Tubewells at Jodhpur Colony BHU Varanasi

| Sl.No. | Description of work | Quantity |
|--------|--|-----------|
| 1.0 | <p>Supply & installation of 6" Column Pipe with welded flange – 'C' class pipe of 150mm NB, TATA make only for submersible pump. Wall thickness of pipe -5.4mm. Length -3.0 Mtrs. Flange O.D., P.C.D., Hole dia etc. as per I.S. standard Flange thickness -16mm.</p> <p>Note:-</p> <ol style="list-style-type: none"> 1. There will be grooving in each flange for Submersible Cable. 2. 4 Nos. M.S. triangular clit should be welded in each flange. 3. Flange should be welded in right angle. 4. Each column pipe should be painted by anticorrosive black paint after fabrication & inspection by Engineer Incharge. | 24 Nos. |
| 2.0 | Supply & installation of KSB pump set 41HP model BPHA 384 + HBC pump type –BPHA 4 Motor type HBC 413 suitable for Star-Delta operation. (2 running + 2 standby) | 04 Sets |
| 3.0 | Supply & installation of 40HP/50HP Star Delta Starter Panels (2 running + 2 standby) as per Technical Specifications as detailed in enclosed Annexure-I | 04 Nos. |
| 4.0 | Supply & installation of 16.00Sqmm. product code: 19803091 Finolex three core flat cable with bare bunched copper conductor insulated with PVC for submersible pump motor with voltage grade up to 1100 Volt generally conforming to IS 694:1990. | 500 Mtrs. |
| 5.1 | Supply and laying of 150 mm dia centrifugally cast(spun) ductile iron pipe class K-7 inside cement mortar lining and outside zinc coating with finishing layer of bitumen paint confirming to IS:8329:2000, Make- Electrosteel / jaibalajee with necessary fitting confirming to IS:9523:2000 for push on/flanged jointing, Make –KESIN/Keseriwal/Jiffy including earth work in manual excavation(excavation by JCB strictly prohibited) of trenches 1000 mm deep in brick edge/ bitumen road etc. and fitting , fixing, jointing valves, specials , cc thrust block, making branch connections with existing running water main etc, without interruption of water supply in premises, filling of trenches with excavated materials in layer after successfully testing of pipeline etc with make good of surface by brick layer/ cc flooring etc complete in all respect as per instruction of engineer in charge. The sluice valve and Tee etc required for branch connection will be provided by the purchaser free of cost. | 1700 Mtrs |
| 5.2 | ----Do---100 mm dia | 500 Mtrs. |

Technical Specifications for 40HP/50HP Star Delta Starter Panel

The starter panel shall be wall mounted, front accessed, cubicle type in dust, damp & vermin proof 2mm. sheet steel enclosure with front hinged door & locking arrangement. The starter panel shall be suitable for Automatic Star Delta starting of 40/50HP, 3 phase 440V 50Hz squirrel cage induction motor of submersible pump for independent operation & control. The approximate dimension of the starter panel shall be 700 (L) X 800 (H) X 300 (D) mm. The starter panel shall have local/remote control facility and shall comprise the following:

| | | |
|--|---|-------------|
| ➤ 125A 440V TPN Fuse switch complete with 3 Nos. 100A HRC fuses | – | 1 Set |
| ➤ Voltmeter of 0-500V range & size 96Sqmm. complete with phase selector switch & protective HRC fuses. | – | 1 Set |
| ➤ 85A Air break contactors with 230V/440V AC coil complete with suitable combination of auxiliary contacts. | - | 3 Nos. |
| ➤ 25-33.7A/32-40A thermal overload relay with built –in single phasing protection and reset push button. | - | 1 No. |
| ➤ Star/Delta timer suitable for operation at 230V/440V AC. | - | 1No. |
| ➤ Selector switch for Local –OFF –Remote Operation | - | 1 No. |
| ➤ Time switch with 230 V AC coil for Auto-operation | – | 1 No. |
| ➤ Selector switch for Auto-Off-Manual operation | – | 1 No. |
| ➤ Start, stop –lock push buttons complete with contact blocks. | – | 2 Nos. |
| ➤ Ammeter of 0-75/450A range & size 96Sqmm. complete with phase selector switch. | – | 1 Set |
| ➤ Current transformers of ratio 75/1A, 5VA, class1. | - | 3 Nos. |
| ➤ ‘ON’ (RED), ‘OFF’ (GREEN) & ‘TRIP’ (AMBER) indication lamps of LED type suitable for operation at 230V/440V AC | - | 3 Nos. |
| ➤ Miniature Circuit Breaker (MCB) 2 pole, 10Amp for control supply of 230V/440V AC | - | 1 No. |
| ➤ Auxiliary contactor (if any required) suitable for coil Voltage of 230V/440V AC. | – | As required |

The operating handles/knobs, meter, push buttons etc. shall be mounted on the front hinged door of the starter panel. Control wiring shall be done with 1.1KV grade 2.5/1.5Sqmm. PVC insulated single core stranded copper conductor cables. Power terminals shall be stud type. All devices, wires & terminal blocks within the panel shall be clearly identified by durable & legible tags (sticker will not be acceptable) corresponding to those used in the applicable drawings. Detachable gland plates shall be provided to accept 1 No. 3 ½ X 70Sqmm. AYFY cables for incoming supply & 2 Nos. 3 ½ X 50Sqmm. AYFY cables & 1 No 5 x 2.5 Sqmm. YWY cable for power & control termination. The starter panel shall be provided with 2 Nos. external earthing studs for earthing connection. The starter panel shall have block anodized rivetted aluminium inscription plates with white engraving. The panel shall be duly painted.

The make of components of the starter panel shall be as follows:

| | | |
|---------------------|---|---|
| Fuse Switch | – | Siemens type 3KL52 or latest type |
| Power HRC Fuses | - | Siemens type 3NA3824 or latest type |
| Power Contactor | - | Siemens type 3 TF 49 or latest type |
| Thermal O/L Relay | - | Siemens type 3UA 5500-2 Q/2R or latest type |
| Star/Delta Timer | – | Siemens type 7 PU 60 or latest type |
| Time Switch | – | L&T type TSQ 100 or latest type |
| Selector Switches | – | Siemens /Kaycee |
| Voltmeter & Ammeter | - | AE/IMP/MECO |
| Current Transformer | – | Pragati/ABB/ Siemens/AE/Kappa |
| Push Buttons | - | Siemens /BCH |
| Indication Lamps | – | Siemens/Vaishno |
| MCB | - | Legrand /Indokopp/Standard Electrical |
| Control HRC Fuses | - | Siemens /GE |
| Auxiliary contactor | – | Siemens. |

NOTE:

1. The Tenderers shall confirm make of components as indicated in the above technical specifications.
2. A sketch showing tentative layout of the starter panel indicating approximate dimensions etc. shall be furnished alongwith the Quotations.
3. GA Drawing giving details of foundation/mounting arrangement, component layout of the panel, power & control circuit diagram etc. shall be submitted within 15 days form the date of receipt of order for our approval.

The starter panel shall be inspected at the works of the successful Tenderer before dispatch by EWSS's Engineers who shall be given 15 days notice in advance.

Form of Earnest Money Deposit Bank
Guarantee Bond

WHEREAS, contractor..... (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the construction of
.....
..... (name of work)
(hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we (name of bank) having our registered office at (hereinafter called "the Bank") are bound unto
.....
.....
(hereinafter called "the Engineer-in-Charge") in the sum of `.
..... (` in words) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of 20..... .

THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;

OR

- (a) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,

OR

- (b) fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor,

OR

- (c) fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of his first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date* after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE SIGNATURE OF THE BANK

WITNESS SEAL

(SIGNATURE, NAME AND ADDRESS)

*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

INVITATION FOR BIDS
Notice Inviting Tender (NIT)

BANARAS HINDU UNIVERSITY
ELECTRIC & WATER SUPPLY SERVICES
VARANASI-221005

e-Procurement Notice

Tender Ref No : EWSS/2020-21/WS/ Pipeline installation/BHU /01

dtd. 27.06.2020

Online tenders are hereby invited in **single bid system** from **Firms/ contractors of repute for the following work:-**

Pipeline connectivity and submersible pumps along with associated column pipes, electrics etc. for 2 Nos. new 14"x8" Tubewells at Jodhpur Colony BHU Varanasi

Bidders can download complete set of bidding documents from e-procurement platform <https://eprocure.gov.in/eprocure/app> from **30.06.2020** onwards. Bidders need to submit the bids online by uploading all the required documents through <https://eprocure.gov.in/eprocure/app>.

Last Date/ Time for receipt of bids through e-procurement is 22.07.2020 upto 04:00 P.M. (server time). Late bids shall not be accepted.

For further details regarding Tender Notification & Specifications please visit website: <http://eprocure.gov.in/eprocure/app> or <http://www.bhu.ac.in>.

CRITICAL DATE SHEET

| | |
|--------------------------------------|---------------------|
| Publishing Date | 30.06.2020 (17.00) |
| Document Sale Start Date | 30.06.2020 (17.00) |
| Seek Clarification Start Date | 30.06.2020 (17.00) |
| Seek Clarification End Date | 03.07.2020 (17.00) |
| Pre-Bid Meeting Date | NA |
| Bid Submission Start Date | 04.07.2020 (10.00) |
| Bid Submission End Date | 22.07.2020 (16.00) |
| Bid Opening Date | 24.07.2020 (15.00) |

(Superintending Engineer)