

**DELHI DEVELOPMENT AUTHORITY**  
**ELECTRICAL DIVISION NO:07**  
**NOTICE INVITING TENDER No: 28/EE/E.D.7/DDA/2007-08**

Scaled item rate tender are invited for the following works by the Executive Engineer (E), Elect. Divn.7/DDA, Keshavpuram, Delhi-110035 upto 3.00 PM on behalf of DDA from the approved contractor of appropriate class of DDA, CPWD, MES, P&T and Railway which shall be opened on the same day at 3.30 PM at Ground Floor, Vikas Minar, I.P. Estate, New Delhi in the presence of intending purchaser of their authorized representative.

1. The annual financial turn over (gross) of the preceding 3 financial year shall not be less than 100% of the estimated cost (gross) value of the work duly audited by Chartered Accountant on annualized basis depending upon the time allowed for completion i.e. total estimate value divided by time of completion.
2. Satisfactory completion of at least the works of similar nature class costing not less than 50% of the estimate cost (gross) in Central / State Govt. department of the public sector undertaking / Govt. Autonomous bodies during the last five years.

The tender documents can be had on any working day from the office of CAU/NZ/DDA, Ashok Vihar, between the 11:00 AM to 3:00 PM on payment of amount mentioned against work (non refundable) on production of enlistment registration with works contract cell of Sales Tax Deptt. on GNCTD and tax clearance certificate issued by the works contract cell in form-XI as well as the issued by the works contract cell in form-XI as well as the amount of earnest money as the shape of in cash receipt treasury challan/deposit as call receipt of scheduled bank/ in favour of Sr. A.O./CAU/NZ/DDA. Sales of tender forms will be stopped four days (including the date of opening) before the date fixed for the opening of tender documents.

The manner of submission of tenders opening of the same and entry of contractor's their authorized representative to the place of opening shall be as provided in clause 3(1), (b) & (c) of PWD-6 forming part of tender.

| S.No. | Name of work  | NIT No. | Estimated Cost<br>Earnest Money | Tender Cost<br>Time Allowed     | Dt.of Sale<br>Dt.of Opening |
|-------|---|---------|---------------------------------|---------------------------------|-----------------------------|
| 1.    | M/O pumpset at various places under North Zone.<br>SH: R/M/O of clear water booster pump set submersible pump set & D.G.Set for 940 Janta houses in Sector A-6, Pkt.7 Narela. | (75)    | Rs. 189519.00<br>Rs. 3790.00    | Rs. 500.00<br>12(Twelve) Months | 8.2.08<br>12.2.08           |

| 1  | 2   | 3    | 4                            | 5                                | 6                     |
|----|---|------|------------------------------|----------------------------------|-----------------------|
| 2. | M/O pump set at various places under North Zone.<br>SH: R/M/O of booster pump set 30 H.P. D.G. Set, 30 KVA and 2 Nos submersible pump set for 660 LIG Incr. houses in Pkt. 6, Sector B-4, Narela. | (76) | Rs. 180662.00<br>Rs. 3613.00 | Rs. 500.00<br>12 (Twelve) Months | Rs. 21.08<br>12.25.08 |


|    |   |      |                              |                                  |           |
|----|---|------|------------------------------|----------------------------------|-----------|
| 3. | M/O pump set at various places under North Zone.<br>SH: R/M/O of clear water booster pump set and D.G. Set at 672 MIG houses in Sector B-4, Pkt. 1 at Narela. | (77) | Rs. 180662.00<br>Rs. 3613.00 | Rs. 500.00<br>12 (Twelve) months | Rs. 21.08 |
|----|---|------|------------------------------|----------------------------------|-----------|

*33/1/08*  
 Executive Engineer (E)  
 Electrical Division No. 7

**SCHEDULE OF WORK**

Name of work: M/o pump set at various places under North Zone.  
 SH: R/M/O booster pump set - 30 HP, and D.G. set- 30 KVA and 2 Nos. submersible pump set for 660 LIG Incr. houses  
 in pkt. 6, Sector B-4, Narela.

| S. No. | Description of item  | Qty.      | Unit    | Rate | Amount |
|--------|--|-----------|---------|------|--------|
| 1.     | Operation of pumps / D.G. set as per the inventory, terms and conditions attached. | 12 Months | P/Month |      |        |
| 2.     | Supply & replacement of the following items including testing etc. as required     | 2 No.     | Each    |      |        |
|        | a) HPSV lamp (E) 70 Watt.  | 2 No.     | Each    |      |        |
|        | f) Copper wounded polyester filled ballast 70 Watt.                                | 2 No.     | Each    |      |        |
|        | g) Electric Igniter - 70 Watt. For HPSV  | 2 No.     | Each    |      |        |

  
 Executive Engineer (E)  
 Elect. Divn. 7/DDA.

## INVENTORY

### PART-A

#### **Booster Pumps**

- a) 20 HP Centrifugal pump set. .... 2 Nos.
- b) 5 HP Vacuum pump for priming of above pump set. .... 1 No.
- c) Control panel comprising of 125 Amp TP&N- 1 No. 63 Amp. TP- 2Nos. oil immersed starter - 2 Nos. D.O.L. starter - 1 No. single phase preventer -3 Nos. etc.
- d) Details of Valves C.I. Reflex valve-150mm - 2 Nos.C.I. Foot valve, -150mm 2 Nos.G.M. Gate Valve, -40mm - 2 Nos.

### PART-B

- (i) D.G. Set
- (a) Capacity .....30 K.V.A.
- (b) Control panel comprising of Change over switch - 100 Amp. - 1 No.

### PART-C

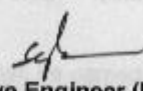
- (i) Submersible pump set
- (a) 6 HP submersible pump set. .... 2 Nos..
- (b) Control panel comprising of 40 Amp. 4 pole isolator, 20 Amp. G-series, MCB- 1 No, 10 Amp. SP, MCB L-series - 1 No., 40 Amp. TP-1 No. DOL starter.

### PART-D

- (i) Water Level Indicator .... 1 No.

### PART-E

- (a) Internal Electrical installation : Fluorescent tube, 5 Nos. ceiling Fans 3 Nos. exhaust Fan - 2 Nos.
- (b) External electrical installations: SON - 70 Watt. HPSV Lamp - 4 Nos. (Compound lighting etc.)

  
Executive Engineer (E)  
Elect. Divn.7/DDA

### TERMS & CONDITIONS

- 1) The work comprises of running and operation of submersible pump set / monoblock pump sets as per the inventory attached.
2. The contractor shall depute the following staff under the contract.
  - h) Operator – 2 Nos. one in each shift i.e. from 6:00 AM to 2:00 PM and from 2:00 PM to 10:00 PM.
  - i) Khalsi – 1 No. from 10:00 PM to 6:00 PM.
  - j) Wireman Gr.I – 1 No. shall attend the site of work between 9 AM to 5 PM atleast once a week and as and when required.
3. The contractor shall employee trained and competent staff to the satisfaction of Engineer-in-charge having two years experience on operation of pump set / park /path light.
4. The contractor shall supply the list of staff along with experience certificate to be engaged on the installation within 7 days of award of work. Engineer-in-charge shall have the right to reject any staff employed by the contractor.
5. The staff employed by the contractor shall bear proper uniform and wear badges displaying their name and designation. The staff shall also be given photo identity card by the contractor displaying their name, father's name, address, date of birth, name of the agency with address and telephone number, site for which employed and period of validity. A copy of the identity card shall be given to the Engineer-in-charge within 15 days of award of work.
6. The contractor shall employed staff through out the period of contractor including Saturday, Sunday, Gazetted Holidays and National Holidays.
7. Following records are to be kept at site of work.
  - a) Printing Log Book for recording operation.
  - b) Attendance Register for staff deployed.
  - c) Complaint / Inspection Register.

**(Note: The contractor shall get the registers authenticated from Engineer-in-charge before use at site.)**
8. The following minor maintenance i/c preventive maintenance shall be carried out by the contractor. The details of work carried out shall be recorded in the Log Book.
  - a) Servicing and greasing of pumps / motors once in 3 months.
  - b) Replacement of rubber pickings of valves and worn out nuts and bolts etc.
  - c) Replacement of gland dori as and when required.




- k) Replacement of HRC fuses as and when required.
- l) Adjustment alignment / tightening of nuts and bolts as and when required.
- m) Replacement of burn out thimbles, wire terminal etc.
- n) Daily cleaning of equipments/pump house.

**(Note: The material required for carrying out above jobs shall be supplied by the contractor within quoted rates).**

- 9. To keep internal lights and all allied installation in working order during the timings/ fixed by the Engineer-in-charge.
- 10. Coordination and follow up action with electric supply agency shall be done by the contractor in case of failure / fault in supply fluctuation in voltage.
- 11. The contractor shall intimate the Engineer-in-charge about the major break down or failure of electric supply in time.
- 12. All electric connections shall be checked at least once in a months and set right, if required.
- 13. The payment to the contractor shall be made by monthly or at other suitable intervals desired by the contractor but no less than once calendar month.
- 14. Proper handing / taking over of all the E & M installation shall be carried out by the JE-Elect.-in-charge of the work and the contractor in writing immediately after award of work / before start of work.
- 15. The Engineer-in-charge if so desire, may extend the contract upto 2 months or terminate the contract at any time after giving 15 days notice.
- 16. If any staff employed by the contractor is found absent on a particular time and date, an amount proportionate to per shift shall be recovered from the contractor bill.
- 17. All allied accessories/installations shall be kept in working order and in case any damages/losses is done to the pumping installations due to the negligence of the operational staff deployed by the contractor, the contractor shall have to make good the damages / loss at his own cost. In case the contractor fails to rectify the damages/loss within reasonable time. The same shall be got rectified / replaced by the department at the risk and cost of the contractor.
- 18. The contractor shall keep all the necessary spares and T & P at site required for operation and maintenance to be carried under his contract.
- 19. In case of any disobedience or misbehavior by the operational staff of the contractor, the Engineer-in-charge may ask the contractor to dispense with the service of such staff with immediate effect. The contractor shall provided suitable substitute simultaneously.

20. The rate quoted by the contractor shall be inclusive of all taxes duties and Govt. Levies etc.
21. Any injury to the operational staff, in case of any mishap during duty hours will be the liability of the contractor.
22. All the test shall be carried out as stated in the schedule of maintenance as per direction of Engineer-in-charge. The test shall be carried out in person of Engineer-in-charge or his representative and the test result shall be submitted in duplicate.
23. The following makes of the materials are acceptable.
  - a) HPSV Lamp : Philips/Osram
  - b) Ballast/Igniter : As per fitment of manufacturer of existing luminaire.
  - c) Igniter : -do-

  
**Executive Engineer (E)**  
**Elect. Divn.7/DDA**

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### SCHEDULE OF WORK

Name of work: M/o pump set at various places under North Zone.

SH: R/M/O of Clear water booster pump set, Sub. Pump set and D.G. set at 672 MIG houses in Sector B-4, pkt. 1 at Narela.

| S. No. | Description of item  | Qty.      | Unit    | Rate | Amount |
|--------|--|-----------|---------|------|--------|
| 1.     | Operation of pumps / D.G. set as per the inventory, terms and conditions attached. | 12 Months | P/Month |      |        |
| 2.     | Supply & replacement of the following items including testing etc. as required     |           |         |      |        |
|        | a) HPSV lamp (E) 70 Watt.  | 2 No.     | Each    |      |        |
|        | d) Copper wounded polyester filled ballast 70 Watt.                                | 2 No.     | Each    |      |        |
|        | e) Electric Igniter - 70 Watt. HPSV.   | 2 No.     | Each    |      |        |

Executive Engineer (E)  
Elect. Divn. 7/IDDA.



## INVENTORY

### PART-A

#### **Booster Pumps**

- a) 20 HP Centrifugal pump set. .... 2 Nos.
- b) 5 HP Vacuum pump for priming of above pump set. ... 1 No.
- c) Control panel comprising of starter, main switch, bus bar, MCB, single phase preventer
- d) Details of Valves. : Sluice valve-2 Nos. -200mm, N.R.V. 2 Nos. - 150mm.

### PART-B

#### (i) D.G. Set

- (a) Capacity .....30 K.V.A.- 1 No.
- (b) Control panel comprising of Voltmeter, Ammeter, Frequency meters MCBs, Relay contractor.

### PART-C

#### (i) Submersible pump set

- (a) 6 HP submersible pump set. .... 2 Nos..
- (b) Control panel comprising of main switch, bus bar chamber, single phase preventer, shunt capacitor, D.O.L. starter.

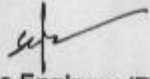
### PART-D

#### (i) Water Level Indicator

.... 1 No.

### PART-E

- (a) Internal Electrical installation : 2 Nos. 40 Watt, fluorescent tube, 1 No. ceiling fan and 1 No. exhaust fan.
- (b) External electrical installations : 70 Watt. HPSV fittings ---- 4 Nos.  
(Compound lighting etc.)

  
Executive Engineer (E)  
Elect. Divn. 7/DDA

### TERMS & CONDITIONS

- 1) The work comprises of running and operation of submersible pump set / monoblock pump sets as per the inventory attached.
2. The contractor shall depute the following staff under the contract.
  - a) Operator – 2 Nos. one in each shift i.e. from 6:00 AM to 2:00 PM and from 2:00 PM to 10:00 PM.
  - b) Khalsi – 1 No. from 10:00 PM to 6:00 PM.
  - c) Wireman Gr.I – 1 No. shall attend the site of work between 9 AM to 5 PM atleast once a week and as and when required.
3. The contractor shall employee trained and competent staff to the satisfaction of Engineer-in-charge having two years experience on operation of pump set / park /path light.
4. The contractor shall supply the list of staff along with experience certificate to be engaged on the installation within 7 days of award of work. Engineer-in-charge shall have the right to reject any staff employed by the contractor.
5. The staff employed by the contractor shall bear proper uniform and wear badges displaying their name and designation. The staff shall also be given photo identity card by the contractor displaying their name, father's name, address, date of birth, name of the agency with address and telephone number, site for which employed and period of validity. A copy of the identity card shall be given to the Engineer-in-charge within 15 days of award of work.
6. The contractor shall employed staff through out the period of contractor including Saturday, Sunday, Gazetted Holidays and National Holidays.
7. Following records are to be kept at site of work.
  - a) Printing Log Book for recording operation.
  - b) Attendance Register for staff deployed.
  - c) Complaint / Inspection Register.

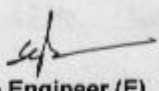
**(Note: The contractor shall get the registers authenticated from Engineer-in-charge before use at site.)**
8. The following minor maintenance i/c preventive maintenance shall be carried out by the contractor. The details of work carried out shall be recorded in the Log Book.
  - a) Servicing and greasing of pumps / motors once in 3 months.
  - b) Replacement of rubber pickings of valves and worn out nuts and bolts etc.
  - c) Replacement of gland dori as and when required.

- d) Replacement of HRC fuses as and when required.
- e) Adjustment alignment / tightening of nuts and bolts as and when required.
- f) Replacement of burn out thimbles, wire terminal etc.
- g) Daily cleaning of equipments/pump house.

**(Note: The material required for carrying out above jobs shall be supplied by the contractor within quoted rates).**

- 9. To keep internal lights and all allied installation in working order during the timings/ fixed by the Engineer-in-charge.
- 10. Coordination and follow up action with electric supply agency shall be done by the contractor in case of failure / fault in supply fluctuation in voltage.
- 11. The contractor shall intimate the Engineer-in-charge about the major break down or failure of electric supply in time.
- 12. All electric connections shall be checked at least once in a months and set right, if required.
- 13. The payment to the contractor shall be made by monthly or at other suitable intervals desired by the contractor but no less than once calendar month.
- 14. Proper handing / taking over of all the E & M installation shall be carried out by the JE-Elect.-in-charge of the work and the contractor in writing immediately after award of work / before start of work.
- 15. The Engineer-in-charge if so desire, may extend the contract upto 2 months or terminate the contract at any time after giving 15 days notice.
- 16. If any staff employed by the contractor is found absent on a particular time and date, an amount proportionate to per shift shall be recovered from the contractor bill.
- 17. All allied accessories/installations shall be kept in working order and in case any damages/losses is done to the pumping installations due to the negligence of the operational staff deployed by the contractor, the contractor shall have to make good the damages / loss at his own cost. In case the contractor fails to rectify the damages/loss within reasonable time. The same shall be got rectified / replaced by the department at the risk and cost of the contractor.
- 18. The contractor shall keep all the necessary spares and T & P at site required for operation and maintenance to be carried under his contract.
- 19. In case of any disobedience or misbehavior by the operational staff of the contractor, the Engineer-in-charge may ask the contractor to dispense with the service of such staff with immediate effect. The contractor shall provided suitable substitute simultaneously.

20. The rate quoted by the contractor shall be inclusive of all taxes duties and Govt. Levies etc.
21. Any injury to the operational staff, in case of any mishap during duty hours will be the liability of the contractor.
22. All the test shall be carried out as stated in the schedule of maintenance as per direction of Engineer-in-charge. The test shall be carried out in person of Engineer-in-charge or his representative and the test result shall be submitted in duplicate.
23. The following makes of the materials are acceptable.
  - a) HPSV Lamp : Philips/Osram
  - b) Ballast/Igniter : As per fitment of manufacturer of existing luminaire.
  - c) Igniter : -do-


  
**Executive Engineer (E)**  
**Elect. Divn.7/DDA**

### SCHEDULE OF WORK

Name of work: M/o pump set at various places under North Zone.

SH: R/M/O of Clear water booster pump set, submersible pump set & D.G. set for 940 Janta houses in Sector A-6, pkt.7, Narela.

| S. No. | Description of item  | Qty.             | Unit         | Rate | Amount |
|--------|--|------------------|--------------|------|--------|
| 1.     | Operation of pumps / D.G. set as per the inventory, terms and conditions attached.   | 12 Months        | P/Month      |      |        |
| 2.     | Supply & replacement of the following items including testing etc. as required<br>a) HPSV lamp (E) 70 Watt.<br>b) Copper wounded polyester filled ballast 70 Watt. | 3 Nos.<br>3 Nos. | Each<br>Each |      |        |

  
Executive Engineer (E)  
Elect. Divn.7/DDA.



## INVENTORY

### PART-A

#### **Booster Pumps**

- a) 30 HP Centrifugal pump set. .... 2 Nos.
- b) 5 HP Vacuum pump for priming of above pump set. .... 1 No.
- c) Control panel comprising of main switch 125 Amp. & 63 Amp.- 2 Nos. MCB, 4 pole. Voltmeter and Ampere meter, oil immersed, starter - 2 Nos.
- d) Details of Valves. : 8 Nos.

### PART-B

#### **(i) D.G. Set**

- (a) Capacity .....40 K.V.A.
- (b) Control panel comprising of MCB's, Relay, frequency meter, Ammeter & Voltmeter.

### PART-C

#### **(i) Submersible pump set**

- (a) 6 HP submersible pump set. .... 1 No..
- (b) Control panel comprising of 40 Amp. 4 pole Isolator, D.O.L. starter, voltmeter & Ampere meter.

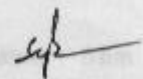
### PART-D

#### **(i) Water Level Indicator**

.... 1 No.

### PART-E

- (a) Internal Electrical installation : 5 Nos. Tube fittings.
- (b) External electrical installations : 5 Nos.. HPSV- 70 Watt. Fitting/ (Compound lighting etc.)

  
**Executive Engineer (E)**  
**Elect. Divn.7/DDA**

### TERMS & CONDITIONS

- 1) The work comprises of running and operation of submersible pump set / monoblock pump sets as per the inventory attached.
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3. The contractor shall employ trained and competent staff to the satisfaction of Engineer-in-charge having two years experience on operation of pump set / park /path light.
4. The contractor shall supply the list of staff along with experience certificate to be engaged on the installation within 7 days of award of work. Engineer-in-charge shall have the right to reject any staff employed by the contractor.
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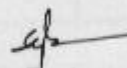
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  - a) Servicing and greasing of pumps / motors once in 3 months.
  - b) Replacement of rubber pickings of valves and worn out nuts and bolts etc.
  - c) Replacement of gland dori as and when required.

- d) Replacement of HRC fuses as and when required.
- e) Adjustment alignment / tightening of nuts and bolts as and when required.
- f) Replacement of burn out thimbles, wire terminal etc.
- g) Daily cleaning of equipments/pump house.

**(Note: The material required for carrying out above jobs shall be supplied by the contractor within quoted rates).**

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23. The following makes of the materials are acceptable.
- |                    |   |
|--------------------|---|
| a) HPSV Lamp       | : Philips/Osram   |
| b) Ballast/Igniter | : As per fitment of manufacturer of existing luminaire. |

  
**Executive Engineer (E)**  
**Elect. Divn.7/DDA**