



PRASAR BHARATI
(India's Public Service Broadcaster)
Office of the Assistant Engineer(Elect.)
Civil Construction Wing : All India Radio
J.C.Nagar : Bengaluru – 560 006



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No: AE(E)/BNG/W-2/2023-24/ 12

Date: 28-04-2023

NOTICE INVITING QUOTATION

Sealed item rate quotation are invited by the Assistant Engineer(Elect.), CCW, All India Radio, Bengaluru-560 006 for the following work.

Sl. No	Name of work	Place of work
1.	Repairs to 5 HP, 37 Stage Submersible pump set for 150mm dia. Borewell at DDK Staff Quarters, BENGALURU. SH: Repairing & re-installation of pump set and other associated works.	DDK SQs, HMT layout, Bengaluru.

The quotations will be received by the undersigned up to 3PM on 08-05-2023 and will be opened by him on the same day at 3-30PM. The quotations should be addressed to the Assistant Engineer(Elect.), CCW, All India Radio, DDK Campus, J.C. Nagar, Bengaluru-560 006 superscribing the envelope with 'Name of work: Repairs to 150mm dia. Borewell at DDK Staff quarters, BENGALURU. SH: Repairing & re-installation of pump set and other associated works'.

The Acceptance of quotation will rest with the undersigned who does not bind himself to accept the lowest quotation and reserves the right of rejecting any or all quotations received without assigning any reason.

CONDITIONS:

- 1) The site of work is mentioned above.
- 2) The work should be carried out as per CPWD specification and additional conditions.
- 3) The labour welfare cess at 1% shall be deducted from the bill.
- 4) Validity of quotation will be 15 days from the date of opening.
- 5) Time Allowed : 15(FIFTEEN) Days
- 6) The agency has to submit copy of GST registration certificate along with quotation.

Copy to:

1. PBNS Team (webupdates.pbns@gmail.com) with a request to publish in the Prasar Bharati website (Email)
2. The Dy. Director General (E), Doordarshan Kendra, Bengaluru.(by Email)
3. The Executive Engineer(Elect.), CCW, AIR, Bengaluru.(by Email)
4. The Assistant Engineer(Elect.)(P), CCW, AIR, Bengaluru.
5. Notice Board.
6. Enlistment agencies.


Assistant Engineer(Elect.)
Assistant Engineer (Electrical)
Civil Construction Wing
All India Radio : Bengaluru - 6

SCHEDULE OF WORK

Name of Work: Repairs to 5 HP, 37 Stage Submersible pump set for 150mm dia. Borewell at DDK Staff Quarters, BENGALURU
 SH: Repairing & re-installation of pump set and other associated works

S.No	Description	Quantity	Rate	Unit	Amount
1	Repairing, servicing, assembling and testing of 5 HP, 37 stage TARO make pump set including servicing & testing of motor and replacement of impeller, ring & guide vane, pump delivery casing, DO bush, DO sleeve etc. complete as required.	1 Job		Job	
2	Installation of 3.7KW/5 HP, 3Phase, 37 stage Wet type Submersible pumpset (TARO make) and 17 lengths (17x2=34 lengths of 3metre each) of uPVC pipes along with Submersible and Water level controller cable in the existing 150mm dia. Borewell including checking depth of borewell by means of Nylon rope or otherwise complete with delivery pipe connection, cable connection, testing and commissioning etc. as required.	1 Job		Job	
3	Supplying and fixing weather proof street light box of approximate size 230mm x 170mm x 105mm (hot pressed moulded from SMC) having front opening cover with screwed locking and 3mm thick phenolic sheet base i/c providing and fixing suitable way brass connector strip 16amp. per way of superior quality, fixing of box on pole etc. as reqd.	1 No		each	
4	Supplying and fixing suitable length PVC Casing pipe of heavy grade 180mm dia. (6Kgf/cm ²) in the well bore including excavation etc. complete as required.	1 Job		Job	

5	Supplying and fixing/laying following sizes of medium class PVC conduit along with accessories on surface/below ground for laying of Submersible and Water level controller cable from Weather proof box up to Borewell i/c excavation and refilling etc. as required.					
a)	25mm	4 m			metre	
6	Supplying and fixing Cast Iron Column Pipe adapter of 40mm nominal size for the Submersible Pumpset complete as required.	1 No			each	
7	Providing Cement Concrete collar around the Casing pipe for a depth of 200mm including centring/forming, scaffolding etc. as required	0.02 cu.m			cu.m	
TOTAL						



ASSISTANT ENGINEER (E)

Assistant Engineer (Electrical)

Civil Construction Wing

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CONTRACTOR

ADDITIONAL CONDITIONS
(For Execution of Electrical works)

1. All works shall be carried out as per CPWD General specifications for Electrical works with up to date amendments.
2. All Electrical materials to be used shall confirm to the following specifications in order of priority
 - a) Shall be as specified in the schedule of quantity.
 - b) Shall as per the additional conditions attached with the tender document.
 - c) The materials should be ISI marked. If ISI marked materials is not available, it should be conforming to ISI specifications and the same should be got approved by the Engineer – in- charge.
 - d) If material conforming to IS Specification is not available, the materials used shall be got approved from the Engineer-in charge.
3. Bad workmanship is liable to be rejected too.
4. The contractor/ his supervisor will be bound to sign the site order Book and to carry out the instruction given there in.
5. The wiring / conduit routes shall be marked at site first and got approved from the Engineer-in charge before the start of actual work.
6. In case the particular makes of materials mentioned under condition above are not available at the time of execution, the alternative make of materials has to be approved from the Engineer-in charge.
7. Aluminium alloys/Cadmium plated iron screw/brass screw only shall be used in the work.
8. Thimbles are to be provided where ever required without any extra charges for cable termination of size 2.5 sq.mm & above.
9. Regulator and Ceiling fans are to be earthed.
10. The earthing shall be carried out in presence of Engineer-in charge or his authorized representatives.
11. Only deep metal boxes should be used in RCC slab in case of recessed steel/PVC conduit wiring.
12. The rectangular wooden blocks required for installation of wall fittings shall have to be supplied and installed by the contractor for which nothing extra will be paid.
13. 6 mm brass cup washers are to be provided on all switch board.
14. Recovery towards work contract or any other Tax imposed by the Central / State government if applicable will be recovered from the bill at the stipulated rate
15. No steel/PVC conduit less than 20 MM in diameter shall be used.

16. MAIN SWITCH BOARD:

1. The detailed dimension and design of switch board and angle iron frame work for switch including the position of various mountings which shall be symmetrically and neatly arranged for arriving at the overall dimensions shall be prepared and submitted before execution and shall have the prior approval of Engineer-in charge.
2. Each switch should be clearly and permanently marked to Indicate section of the installation it controls.

17. CONDUIT LAYING IN VARIOUS BUILDINGS

- i) The agency shall be given 3 days time to lay the slab conduits in the part, the agency fails to do this work, the same shall be carried out departmentally after 2 days notice recorded in the site order book by the field staff and recovery at the double rate derived from agreement shall be made from the agency. The decision on above by Engineer-in charge shall be final and binding on the agency.
- ii) Similarly in case of fixing conduits in walls, the needful be done by the electrical agency prior to the plastering and in no case beyond 3 days of written instruction in the site order book, failing which the same shall be carried out departmentally without any further notice and the recovery at the double rate derived from agreement shall be made from the agency. The decision on above by Engineer-in charge shall be final and binding on the agency.
- iii) The contractors shall co-ordinate with all other agencies involved in the building work so that the building work will not hamper due to delay in his work.

Contractor


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ADDITIONAL CONDITIONS -II

1. Unless otherwise provided in the schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts and loads and depths of the building and nothing extra shall be payable to him on this account.

2. The work shall be carried out in coordination with other agencies such as Civil, Electrical, Horticulture, Installation Officer etc.. The contractor shall extend all co-operation to the other agency without any extra claim.

3. Some restrictions may be imposed by the security staff etc. on the working and or movement of labour, materials etc.. The contractor shall be bound to follow all such restrictions/ instructions and nothing extra shall be payable on this account.

4. The contractor shall give a performance test of the entire installation (s) as per standard specifications before the work is finally accepted and noting extra whatsoever shall be payable to the contractor for the test.

5. The materials will be issued to the contractor at the place of delivery as mentioned in the schedule of materials. If these are delivered at any other site, the difference due to cartage will be adjusted in accordance with clause-12. The materials will be issued during the working hours and as per rules of the CCW of AIR godown as formed from time to time. The contractor shall have to cart at his cost, the materials to the site of work as soon as these are issued.

6. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by department against damage due to sun, rain, dampness, fire, theft etc. He shall employ necessary watch and ward establishment for this purpose at his own cost. Nothing shall be paid to the contractor on this account.

7.(a) For the purpose of recording measurement for preparing running account bills, the abbreviated nomenclature indicated in the publication "Abbreviated nomenclature of items of DSR 2014 shall be adopted. The abbreviated nomenclature shall be taken to cover all the materials and operations as per the complete nomenclature of the relevant items in the agreement and other relevant specifications.

(b) In case of items for which abbreviated nomenclature is not available in the above cited publication and also in case of extra and substituted items of work for which abbreviated nomenclature is not provided in the agreement, the full nomenclature of items for running account bills.

8. (i) The rate for all items of work shall inclusive of all statutory taxes & levies and nothing extra shall be paid.

(ii) However pursuant to the constitution (46th amendment) Act. 1982, if any further tax or levy is imposed by statute, after the date of receipt of tenders and the contractor thereupon necessarily and properly pays such taxes shall be reproduced in the MB and bill forms levies, the contractor shall reimburse the amount so paid, provided such payment if any is not in the opinion of superintending Engineer (Whose decision shall be final and binding attributable to delay in execution of work within the control of contractor).

iii) The contractor shall keep necessary books of account and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorized representative of Government and further shall furnish such information/ document as Engineer-in-charge may require.

iv) The contractor shall within a period of 30 days of imposition of any further tax or levy in pursuant to the constitution of (46th amendment) Act, 1982 given a written note therefore to the Engineer-in charge that the same is given pursuant to this condition together with all necessary information relating thereto.

9. All repairs and patch work shall be neatly carried out to match with the original finish and to the entire satisfaction of the Engineer-in-charge. Any damage caused to the building due to execution of electrical work, shall be made good immediately by the contractor at his own cost.

11. Electrical work shall have to be executed along with the building work. In case Civil works are completed earlier than the stipulated time in this tender, electrical work shall have to be completed within 10 days of the date of completion of civil work.

12. All debris due to the Electrical works, shall be removed and site shall be cleared by the contractor, as soon as the work is completed.

Contractor



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LIST OF APPROVED MAKES FOR ELECTRICAL ITEMS

Sl No.	Description of item	Approved Make
1	FRLS PVC Insulated copper conductor single core cable	Polycab/Havell's/ Finolex/RR Kable /National / Plaza /Gloster/
2	Modular type switch & socket / Plate / GI Box	Legrand /MK/ Crabtree / Anchor Roma/ Philips/GM/Lisha
3	Piano type switch & socket / Plate / GI Box	Anchor / Lisha/GM
4	FRLS PVC Insulated annealed copper conductor unarmoured telephone cable	Polycab/Ravicab / Lapp cable/Havells
5	PVC Conduit	AVON Plast / Sudhakar /Precision / Polycab
6	Stove Enamelled conduit	BEC/VIMCO/AKG/RMCON
7	RJ 6 TV Cable	Finolex / Polycab / Commscope/Havells
8	Electronic fan regulator	Legrand / Anchor Roma /MK
9	LED Fittings	WIPRO / Philips / Crompton Greaves/Bajaj/Havells
10	T-5 Fitting	WIPRO / Philips / Crompton Greaves/Bajaj/Havells
11	CFL fittings	WIPRO / Philips / Crompton Greaves/Bajaj/Havells
12	Ceiling / Exhaust fans	Crompton/USHA/ Havell's / Orient / Bajaj
13	SDB's ,MCB DB's / MCB's / RCCB	Legrand Lexic /Schneider / Siemens/ L&T
14	MCCB for LT/MV	Legrand Lexic /Hager / Siemens/ L&T
15	Indicating lamps	Siemens / L&T / Teknik / BCH / Legrand
16	Multi function meter	Legrand / Siemens/ L&T
17	PVC insulated and PVC sheathed 1.1 KV grade UG Cable	Polycab / Incab / ICC/ Universal /Gloster
18	Electronic timer	L& T / Siemens / Legrand/Hager
19	Weather proof street light boxes	Sintex /Hensel/Precision
20	Cable Gland	Commet / HMT / Braco / Jainsons
21	Lugs	Dowells/Braco/Commet/Jainson
22	Connector / Terminal blocks	Elmex / Connectwell / Essen
23	CT's	AE / Kappa/Rishabh
24	GI Pipe	Jindal / TATA / Surya / Prakash/Zenith
25	GI Fitting	Unik/KS/AMCO/AVR/NVR/RR
26	Gun metal valve/Non return/gate/slucie valve	Neta/Kalsi/Audico/Leader/Zoloto
27	HDPE pipe	Varuna/Sudhakar/Ashirwad
28	Epoxy paint	Asian/Nerolac/ICI/Burger

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