


Bill of Quantity for Electrical Renovation Work in Brooder House No. - 05 & Hatchery Unit of Poultry Research and Training Centre at B.A.S.U., Patna.

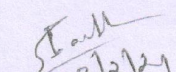
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|--|-------------------------|---------|
| Estimated Cost :- Rs. 2,46,508=00 | E.M. to be deposited :- | 5000=00 |
| Last Date of downloading tender paper:- 18.03.2021 upto 05:00 p.m. | Cost of B.O.Q :- | 500=00 |
| End Date of receiving Tender :- 23.03.2021 upto 3:00 p.m. | Time of Completion :- | 30 Days |

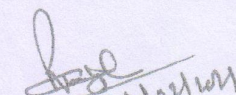
| Sl.No. | Item of Work | Quantity unit | Rate | Amount |
|--------|--|---------------|---------------|----------|
| (1). | Wiring for light point/ fan point / exhaust fan point / call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with piano type switch, phenolic laminated sheet, suitable size M.S./PVC box etc as required. | | | |
| 1.1.3 | Group 'C' | 75 point @ | 681.00 /point | 51075=00 |
| (2). | Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required. | | | |
| | | 190.00 m @ | 200.00 /m | 38000=00 |
| (3). | Wiring for circuit / submain wiring along with earth wire with the following size of FR PVC insulated copper conductor single core cable in surface / recessed medium class pvc conduit as required. | | | |
| 1.7.1 | 2 X 1.5 Sq. mm + 1 X 1.5 Sq. mm earth wire | 100.00 m @ | 130.00 /m | 13000=00 |
| 1.7.3 | 2 X 4 Sq. mm + 1 X 4 Sq. mm earth wire | 150.00 m @ | 200.00 /m | 30000=00 |
| (4). | Supplying and fixing metal/ PVC box of following sizes(nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required. | | | |
| 1.22.2 | 100 mm X 100 mm X 60 mm deep | 60 no @ | 140.00 /each | 8400=00 |
| (5). | Supplying and fixing following piano type switch /socket on the existing switch box/cover including connections etc. as required. | | | |
| 1.23.1 | 5/6 amps switch | 40 no @ | 39.00 /each | 1560=00 |
| 1.23.3 | 15/16 amps switch | 20 no @ | 90.00 /each | 1800=00 |
| 1.23.4 | 3 pin , 5/6 amps socket outlet | 40 no @ | 52.00 /each | 2080=00 |
| 1.23.5 | 6 pin, 15/16 amps socket outlet | 20 no @ | 91.00 /each | 1820=00 |
| 1.23.9 | Electronic step fan regulator, piano type | 10 no @ | 204.00 /each | 2040=00 |
| (6). | Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required. | | | |
| 1.33 | | 75 no @ | 42.00 /each | 3150=00 |
| (7). | Supplying and fixing batten/ angle holder including connection etc. as required. | | | |
| 1.34 | | 20 no @ | 46.00 /each | 920=00 |
| (8). | Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP MCB, in sheet steel enclosure , on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required. | | | |
| 2.19 | | 28 no @ | 996.00 /each | 27888=00 |

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| | | | | |
|---------|---|-----------|-----------------|-------------|
| (9). | Supplying and fixing modular type 25 amps A.C. unit box with ON/OFF MCB on surface or in recess complete with connections, testing and commissioning etc as required. | 6 no @ | 594.00 /each | ` 3564=00 |
| 2.31 | | | | |
| (10). | Supplying and fixing following way, horizontal type three pole & neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus - bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) | 2 no @ | 2,388.00 /each | ` 4776=00 |
| 2.9.4 | 4 way (4 + 12), double door, horizontal type | | | |
| (11). | Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. | 24 no @ | 192.00 /each | ` 4608=00 |
| 2.12.2 | 6/32 amps, Single pole | 2 no @ | 1,635.00 /each | ` 3270=00 |
| | 50/63 amps, Tripole pole and neutral | | | |
| (12). | Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc. with charcoal/ coke and salt as required. | 1 no @ | 12,831.00 /each | ` 12831=00 |
| 3.60 | | | | |
| (13). | Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required. | 80.00 m @ | 144.00 /m | ` 11520=00 |
| 7.1.1 | Upto 35 sq. mm | | | |
| (14). | 100 amps, four pole, off-load change over switch in sheet enclosure with side handle operation | 2 no @ | 5719.00 /each | ` 11438=00 |
| (1531). | | | | |
| (15). | 3.5 core, 35 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor | 80.00 m @ | 159.60 /m | ` 12768=00 |
| 2206 | | | | |
| | | | Total | ` 246508=00 |


 23-02-21
 (Aman Kumar)


 23/2/21
 A.E.O.(Elect.)
 B.A.S.U., Patna


 24/02/21
 Estate Officer
 B.A.S.U., Patna

Fill up Given Information

- 1. Name of Firm/Agency
- 2. Name and Address of the Tenders :
- 3. Signature of tenderer :
- 4. Mobile No. :
- 5. Details of Earnest Money :
(certified copy to be enclosed)

I/ we execute the work at:-

- i. rates shown in the bill of Quantities.(Estimated /Analysed)
- ii. In word.....percent above the rates shown in the bill of quantities.
- iii. In figure.....percent above the rates shown in the bill of quantities.
- iv. In figure percent below the rates shown in the bill of quantities.
- v. In figure..... percent below the rates shown in the bill of quantities.

I/We will complete the work within month from the date of work order.

I/ We have read and fully understood the terms and condition of the state (P.W.D.) contract form F2 and the N.I.T. and special condition attached here with.

Name & full signature of the Tenderer

Estate Office
Bihar Animal Sciences University
Patna – 14

- 1. No. of cutting.....
- 2. No. of over writing.....
- 3. Rate quoted.....

Estate Office
Bihar Animal Sciences University
Patna – 14

N.I.T. SPECIAL CONDITIONS



1. Rates quoted should be inclusive of all taxes, royalties carriage and all other incidental charges what so ever.
2. The contractor shall not stipulate any additional conditions in their tender for increase of rates due to increase in rate of taxation. Rly. Freight and etc.
3. The rates should be written in figures as well as in words in such a way that interpolation is not possible and total amount of each item should be written both in figures and words and total amount of each page will also indicate both in figures and words.
4. Taxes, Rly. Freight and incidental charges on materials and labour in respect of the contractor shall be payable by the contractor and University shall not entertain any claim whatsoever in this respect.
5. Tender specifying certain percentage above or below the tender amount and other conditions in connection with the tender will not be given any consideration. Only tenders put in the prescribed form will be considered. Tenders containing percentage above or below the total tendered amount or estimated amount will be summarily rejected.
6. The tenderers should acquaint themselves with the work and working conditions of the site locality and no claim will be entertained on this issue.
7. Site of execution of the work will be available as soon as work is awarded. In case, it is not possible for the department to take the entire site available on the award of the work, the contractor will have to arrange his working programme accordingly.
8. The contractor's responsibility for the construction shall commence from the date of issue of work order.
9. The contractor shall study the specification, drawings and design carefully before submitting the tender.
10. The work will be executed according to the approved and sanctioned design and drawing from time to time which will be binding on the contractor. No claim for the changes or modification in drawing and design will be tenable.
11. The contractor will be issued departmental materials as per actual requirement in stock length and size available with the department. Material is taken by the contractor in excess of the calculated requirement will be charged to panel rates which will be double the issue rates of the materials.
12. Contractor shall have to keep in upto date account of materials at site and his stores shall be inspected and stock taking will be done as and when required by the supervising staff of the department. The contractor should arrange for such inspection and free access should be given to the Supervising staff for such check up.
13. Quantities mentioned in the bill of quantity are approximate and the same may increase or decrease. Nothing extra bill be paid for such increase or decrease in quantity of various item of works.
14. No claim shall be entertained on the grounds of fluctuation of rate in labour and materials etc. in the market during the period of filling the tender and completion of work.
15. The contractor shall arrange for necessary site accommodation and other facilities for the labour and no claim for medical aid to labour or any other incidental charges shall be entertained.
16. No claim for idle labour due to non-supply or delayed supply of materials machinery, design etc. by the department will be entertained.
17. The contractor shall strictly follow the conditions laid down in the minimum wages act. He shall also comply with the labour laws as may be current and furnish information as required from time to time.
18. All materials brought to site by the motor vehicle, other than vehicles belonging to the contractor for this work, should be by public carrier vehicles. The carriage of such materials by Private carrier would be illegal and contractor will accordingly be responsible for employing private carrier instead of public carrier.
19. The motor vehicles rules should be followed by the contractor will also be responsible for infringement of traffic rules accident, damages to roads and culverts etc. No responsibility for all or any of the above things will rest with department.
20. The work shall be done according to the University specification. In respect of such items of work which is not covered by the University specification the specification laid down by the Superintending Engineer, South Bihar Circle shall be allowed which will be final and conclusive.
21. All tools and other materials shall be arranged and procured by the contractor at his own cost and shall consist of rigid and sound work and other works not to deform or disturb as a sequel to the working of vibrator. A scaffolding materials shall also be procured and arranged by the contractor at his cost.
22. If during execution of work, any item which is provided in the bill of quantity, is not required to be executed due to change of specification etc. the contractor will have no claim whatsoever if that item is not done through them.
23. The contractor shall get the samples of a wire, socket, switch, conduit etc. approved by the Estate Officer before undertaking mass collection of the same. Sample of the approved quality of materials shall be kept in the custody for comparison later on when the contractor's supply is made during progress of the work.
24. After completion of work the building floor shall be thoroughly washed and cleaned. The ugly marks on glass panes shutters etc. shall be removed and damages made good. The works of paint cement etc. shall be removed and cleaned nicely at the contractor's cost.
25. The contractor shall remove all his surplus materials rubbish etc. and leave the site clean and tidy after levelling and dressing the premises of the works as directed by the Engineer In-charge and then the work shall be considered as complete.

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26. The site should be cleaned of all rubbishes, leveled and dressing as directed by the Engineer In-charge and shall prepare for layout works. weeds stumps of trees if any shall be removed by the contractor at his cost before layout is taken up as directed by the Engineer I/C.
27. The arrangements and the cost of all the storshed, labourshed , tools scaffolding water supply arrangement electric supply and building accessories shall be borne by the contractor at his cost and nothing will rest with the department. The contractor shall also provide all facilities and medical aid to the labours employed, at his cost.
28. Any approach road necessary for carriage of electrical materials to site of work, will have to be constructed by the contractor at his own cost and no claim for the same will be entertained by the department.
29. The contractor shall keep at site such implements to cost the soundness of electrical material etc. at site. He shall also provide and mark all arraignment at his cost for collecting, preparing and forwarding required number of samples for test and analysis at such time and such places or places as directed by the Engineer I/C and full payment of all electrical work shall be made only on satisfactory test result.
30. The department will not hold itself responsible if the work has be stopped at any stage of progress due to reasons beyond the control of the department and no claim will be entertained for the same.
31. The contractor shall comply sufficient number of skilled and experienced labours to the job in order to achieve proportionate time given for the work during, execution of work, if his any electrician , labour or other staff is found avoiding instructions to follow, shall be turn out at once from the work site.
32. Good and approved quality of items should be used and samples may be got approved before use in works.
33. Procurement of water in all seasons with all leads and lift will rest with the contractor at his cost.
34. The N.I.T. special conditions and other condition attached with the bill quantity will form intergral part of the contract document and should be dully signed by the tendered on each page as taken of acceptance while submitting the tender for the work.
35. The contractor will be responsible for accident etc. if any during execution of work and nothing will rest with the department.
36. The Engineer in-charge will have full powers to inquire the removal, from the premises of the site, of all materials which in his opening are not in accordance with, specification and in case of default the Engineer. I/C is at liberty to sell such inferior material at the contractor's cost and risks.
37. The contractor shall offer all facilities to the departmental officers for supervision, taking measurements, checking of bills etc. and any damage so occurred in the process will be made good by the contractor at his own cost.
38. In on account bills of the contractors, the maximum rate of any item of work for payment not included in the agreement, will be the BASU, Patna Schedule rates of work fixed time to time. In case BASU not having their own schedule of rates, the schedule rate of work of S.B.C., P.W.D. may be followed.
39. In case any item of work not covered by Bihar Animal Sciences University, Patna or P.W.D. / B.C.D schedule of rates may be paid as per actual analysis of rates obtained from the local market.
40. The contractor shall display a sign Board about the work as on the format prescribed by Engineer- in- charge.
41. All old electrical fitting items such as wire DBs , switch board etc will be dismantling by the contractor without any cost and same should be safely handed over to Estate office.

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Estate officer,
 Bihar Animal Sciences University, Patna