

Group No. 04 Repair of outer portion & Construction of shed at Old Library Building under BASU, Patna for the year 2023-2024

OFFICE OF THE ESTATE OFFICE
BIHAR ANIMAL SCIENCES UNIVERSITY
(TENDER DOCUMENT)

NAME OF WORK: Repair of outer portion & Construction of shed at Old Library Building under BASU, Patna for the year 2023-2024.

Tender amount: ₹ 10,90,913/-

Cost of BOQ: ₹ 2500/-

EMD:-₹ 22,000/-

Name of Agency: _____

1. Tenders in closed envelope on plain paper to be eventually drawn in U.E. Form 61 No. F2/K2/H will be received upto 15:00 hours upto 03.01.2024 through Speed Post/Courier/In person by the undersigned and will be opened in presence of the tenderers or their authorized agents.
2. The bill of quantity will be downloaded from university website www.basu.org.in upto 17:00 hrs on or before 02.01.2024. There will be no sale on the date of receiving tender.
3. The tender documents downloaded from the website will be submitted with **Cost of B.O.Q** in the form of Demand Draft in favour of **FINANCE COMPTROLLER, BIHAR ANIMAL SCIENCES UNIVERSITY, PATNA**. Tenders submitted without cost of B.O.Q. in the form of demand draft will be summarily rejected.
4. Tenderers are required to deposit Earnest money at the rate of ₹ 100/- for every 5000/- or part thereof of the amount of the Estimate. **Earnest Money** can be deposited in shape of Demand Draft, N.S.C., N.D.C., Post Office Saving Bank Deposit, Post Office Time Deposit duly pledged to **ESTATE OFFICER, BIHAR ANIMAL SCIENCES UNIVERSITY, PATNA**. The tenderers shall have to attach a copy of N.P.S.C., N.D.C., N.S.C., D.D., or Pass Book with their quotations otherwise these tenders may outright be rejected. N.S.C., N.D.C. D.D., of Pass Book furnished after the receipt of tender on specified date and time will in no case be entertained.
5. Tenderers shall quote their rates both in figures and words and initial all corrections, over writings interpolations. Indefinite forms like estimated rates etc. should not be considered.
6. The percentage rates quoted by the contractors should be inclusive of all taxes royalties and other incidental charges (i.e. Labour Cess etc.). **Maximum applicable percentage rate below estimated cost is in accordance with RCD notification no. 447(s) dated 16.01.2020 in compliance of order of Hon'ble High Court, Patna pronounced in CWJC No. 9941/2022 dated 06.07.2023.**
7. The Contractor should satisfy themselves fully about the nature and site of works before offering their tenders and plea of any ignorance afterwards shall not be considered.
8. Tender without Earnest Money or insufficient Earnest Money will be rejected and there will be no position on the body of C.S.
9. After approval of rates by the competent authority the contractor shall have to deposit the initial Security money in shape of N.S.C. within 10 days of the receipt of the written orders from Engineer I/C and execute agreement failing which his tender shall be rejected and Earnest Money forfeited.
10. Authority shall reserve the right to reject any or all the tenders or distribute the work to more than one contractor without assigning any reasons.
11. The claim for idle labours due to stoppage of work non supply of materials, drawing and designs or delay due to any other reasons shall not be entertained.
12. The Contractor shall arrange necessary site for accommodation and other facilities like medical aid etc. for his labours at his own cost and initiative as well as will comply with all labours rules prevalent in the locality.
13. The specification of work mentioned in B.O.Q. where not mentioned in that case S.B.C., P.W.D., will be followed during the progress of the work. In case of any difference of things not being clear the instructions of the Estate Officer shall be followed.
14. No claim shall be entertained due to fluctuation of rates of labour and materials at any time during completion of work.
15. The contractor employing trucks for carriage of materials or other works shall comply with the rules of Motor Vehicles Act.
16. It will be obligatory on the part of the tenders to keep his tender open for a period of 6 months (180 days) from the date of opening of tender for acceptance.
17. The contractor should maintain the Repair / Renovation Work during the defect liability period from the date of completion of work.
18. No. work beyond agreement shall be executed by the contractor unless specifically ordered by the Engineer In Charge in writing.
19. Registered Class IV Contractors of the P.W.D (R.C.D. & B.C.D.), Patna having satisfactory records of work will be allowed to tender for the work.

20/12/2023
04. Estate officer,
Bihar Animal Sciences university, Patna

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To,

The Estate Officer
Bihar Animal Sciences University
Patna 800 014

(a)	Name of the bidder/firm Address of the bidder Mobile No.	
(b)	Registration No.(Class IV) (copy to be enclosed)	
(c)	Detail of Cost of BOQ (In favour of FINANCE COMPTROLLER, BASU, PATNA) D.D. No. Date of Issue Bank Name	
(d)	Detail of Earnest money	
(e)	PAN No. (copy to be enclosed)	
(f)	GST No. (copy to be enclosed)	
(g)	Latest IT acknowledgement certificate (copy to be enclosed)	
(h)	Character Certificate (copy to be enclosed)	
(i)	Affidavit from Notary (in Original)	
(j)	Signature of tenderer	

I/ we shall execute the work at:- (Fill the appropriate information below & Strike the rest two)

- (I) (a)(Estimated / Analysed) rates shown in the bill of quantities.
(II) (a)(In word) Percent above the rates shown in the bill of quantities
(b) (In figure) Percent above the rates shown in the bill of quantities
(III) (a)(In word) Percent below the rates shown in the bill of quantities
(b) (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

- 1) No. of Cutting
- 2) No. of over writing
- 3) Rate quoted

Estate Office
Bihar Animal Sciences University
Patna – 14

Bill of Quantity for Repair of outer portion & Construction of shed at Old Library Building under BASU, Patna for the year 2023-2024

Estimated Cost :- Rs.10,90,913 =00

E.M. to be deposited :- ₹ 22000=00

Last Date of downloading tender paper:- 02.01.2024 upto 5:00 p.m.

Cost of B.O.Q :- ₹ 2500=00

Last Date of Receiving Tender :- 03.01.2024 upto 3:00 p.m.

Time of Completion :- 60 Days

Sl.No.	Item of Work	Quantity unit	Rate	Amount
(1).	Labour for Clearing Jungle & site clearance inc.all complete job			
0L01	Labour (Helper)	12 no @	398.05 /each	₹ 4777=00
(2).	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:			
15.7.4		2.77 m ³ @	823.70 /m ³	₹ 2282=00
(3).	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:			
15.3		1.08 m ³ @	1,411.20 /m ³	₹ 1524=00
(4).	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1:6 (1 cement: 6 coarse sand) Extra for Brick work in superstructure above plinth level upto floor V			
6.1.14A + 6.3A		2.82 m ³ @	5,662.10 /m ³	₹ 15967=00
(5).	Centring and shuttering including strutting,propping etc. and removal of form for.			
b.	Columns,Pillars, Piers, Abutments, Posts and Struts 5.9.6	14.12 m ² @	494.40 /m ²	₹ 6981=00
(6).	Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upt floor five level excluding cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aqqreqate 20 mm nominal size			
5.3		1.34 m ³ @	5,335.90 /m ³	₹ 7150=00
(7).	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
(i)	<u>TMTC-415 8 mm dia</u>	40.40 kg @	94.50 /kg	₹ 3818=00
5.22.7 A		60.60 kg @	92.60 /kg	₹ 5612=00
(ii)	<u>TMTC-500 10 mm dia</u>			
5.22.7B				
(8).	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3mm MS gusset plates at the junction and corners.all necessary fittings completeincluding applying a priming coat of approved steel primer.			
10.5.1		4.552 m ² @	3,653.00 /m ²	₹ 16628=00

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10.16.1	(9). Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete: Hot finished welded type tubes	2,372.53 Kg. @	123.90 /Kg.	₹ 293956=00
10.19	(10). Providing and fixing M.S. round holding down bolts with nuts and washer plates complete.	126.60 Kg. @	82.70 /Kg.	₹ 10470=00
10.22(b)	(11). Welding by electric plant including transportation of electric welding plant at site etc. complete.	3,290.00 cm @	3.50 /cm.	₹ 11515=00
12.1.3	(12). Providing & fixing 0.63 mm th. G.S. Sheet / 0.45 mm th. Durashine Sheet/ roofing including all complete job	291.82 m ² @	1,257.30 /m ²	₹ 366905=00
18.48	(13). Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	1,000 lit. @	9.70 /lit.	₹ 9700=00
18.75.3	(14). Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour.			
a.	25mm nominal bore, weighing not less than 62 gms	3 no @	100.60 /each	₹ 302=00
18.7.2	(15). Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Internal work - Exposed on wall. External work			
a.	20 mm nominal outer dia Pipes	30.00 m @	233.90 /m	₹ 7017=00
18.7.4	b. 32 mm nominal outer dia Pipes	42.00 m @	395.20 /m	₹ 16598=00
0L27	(16). Providing extra plumber for shifting water Tank etc. inc.all complete job	4 no @	508.64 /each	₹ 2035=00
18.17.1	(17). Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a.	25 mm dia G.I. pipe	4 no @	532.30 /each	₹ 2129=00
18.13.1	(18). Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :			
a.	25 to 40 mm nominal bore	10 no @	446.70 /each	₹ 4467=00

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(19). Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :			
17.7.1		4 no @	2764.40 /each ₹ 11058=00
(20). Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :			
17.4.1		2 no @	3723.20 /each ₹ 7446=00
(21). Providing and fixing following fittings			
18.65	PTMT soap Dish Holder	4 no @	96.80 /each ₹ 387=00
18.49	C.P. brass bib cock	10 no @	434.20 /each ₹ 4342=00
(22). Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design. With common burnt clay F.P.S.(non modular) bricks of class designation 100A			
19.27.1		4 no @	3743.30 /each ₹ 14973=00
(23). Providing and fixing on wall face unplastidsed-PVC pipes with accessories incl...job			
12.78.2	110 mm dia PVC Pipe	90.00 m @	257.50 /m ₹ 23175=00
12.79.5.2	110 mm bend	20 no @	132.00 /each ₹ 2640=00
12.79.3.2	110 mm tee	4 no @	193.40 each ₹ 774=00
12.80.2	110 mm clip	42 no @	182.72 /each ₹ 7674=00
(24). Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.			
15.56		147.58 m ² @	21.70 /m ² ₹ 3202=00
(25). 12 mm th.C.P. of mix (1:6) including all complete job			
13.11.4		100.52 m ² @	141.50 /m ² ₹ 14224=00
(26). 6 mm C.P. to ceiling of mix(1:4) including all complete job			
13.24.2		47.01 m ² @	125.60 /m ² ₹ 5904=00
(27). Removing white or colour wash by scrapping and sand paper in and preparing the surface smooth including necessary repair scratches etc. complete			
13.74		561.43 m ² @	7.70 /m ² ₹ 4323=00

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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. The tenderers should acquaint themselves with the work and working conditions of the site locality and no claim will be entertained on this issue.
6. 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.
7. The contractor's responsibility for the construction shall commence from the date of issue of work order
8. The contractor shall study the specification, drawings and design carefully before submitting the tender
9. 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.
10. 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.
11. Quantities mentioned in the bill of quantity are approximate and the same may increase or decrease.
12. 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.
13. 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.
14. No claim for idle labour due to non-supply or delayed supply of materials machinery, design etc. by the department will be entertained.
15. 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.
16. 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.
17. 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.
18. 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.
19. All R.C.C. as well as plain cement concrete work shall be machine mixed and vibrated properly and submerged with 2" constant head of water over horizontally laid concrete component and constant spray curing on verticals concrete complete as directed by Engineer In-charge.
20. All shuttering and centering materials shall be arranged and procured by the contractor at his own cost and shall consist of rigid and sound work and steel works not to deform or disturb as a sequel to the working of vibrator. A scaffolding materials shall also be procured and arrange by the contractor at his cost. In case of centering and shuttering of R.C.C. column only steel plates of requisite thickness shall be used in centering and shuttering and not the wooden planks, so as to give smooth surface.
21. No claim shall be entertained for cleaning and scraping rusts and normal elements from steel issued by the department.
22. All R.C.C. works shall be designed as per latest I.S. code of practice.
23. If during execution of work, any item which is provided in the bill of quantities 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.
24. The contractor shall get the samples of bricks, sand stone chips 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.
25. For overall structural works except plastering clean and coarse sand shall be used. For plastering, clean and medium sand shall be used and should be screened to 256 mesh in one square inch before used in work.
26. Flat iron, for making grills for window, hand rails for stair case etc. shall be procured by the tenderer himself.
27. All points of welding in grills etc. must be clean smooth and strong. The samples of grill shall be got approved by the Estate Officer before taking up mass manufacture.

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28. 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.
29. 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.
30. The site should be cleaned of all rubbishes, levelled and dressing as directed by the Engineer In-charge and shall prepare for layout works. Engineer 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. The cost of masonry pages stradingsalabours and etc. are incidental expenditures in layout of the work and shall not constitute a claim for the some.
31. The arrangements and the cost of all the store shed, labour shed, tools scaffolding water supply arrangement electric supply and building accessories shall be borne by the contractor at his cost and noting will rest with the depart. The contractor shall also provide all facilities and medical aid to the labours employed, at his cost.
32. Any approach road necessary for carriage of building 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.
33. 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.
34. 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 mason or labour is found avoiding instructions to follow, shall be turn out at once from the work site.
35. In all R.C.C. and R.C.C. works, stone chips and sone sand of specified size grade and quality confirming to the Indian standard specification no. 456-964 shall be used. The bricks to be used in all brick works shall confirm requirement of relevant I.S. Code.
36. The jamb and soffit of the door and windows openings should be smooth, true to plumb and suitable spaces will have to be left for receiving W.I. clamps as per direction of Engineer In- Charge for which no claim shall be entertained.
37. Procurement of water in all seasons with all leads and lift will rest with the contractor at his cost.
38. 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.
39. The contractor will be responsible for accident etc. if any during execution of work and nothing will rest with the department.
40. Suitable recess for fixing claps for doors and window, Jali work and railings whenever required, shall have to be provided by the contractor in brick walls, R.C.C. columns and R.C.C. roof as per direction of Engineer I/C without any cost.
41. 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.
42. 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.
43. During casting R.C.C. foundation, the foundation trenches shall be kept free from water and if necessary the water shall be pumped out for which no extra payment to contractor shall be paid.
44. 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.
45. 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.

Estate officer,
Bihar Animal Sciences University, Patna

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