

B.O.Q. No. /Group No. 01

**NAME OF WORK: Repair & Renovation to Main Building of BVC including roof treatment under B.A.S.U., Patna.**

Tender amount: ₹ 49,44,657 /- Cost of tender paper: ₹ 5,000/- EMD:-₹ 98,900/-

**OFFICE OF THE ESTATE OFFICER  
BIHAR ANIMAL SCIENCES UNIVERSITY  
(Tender Document)**

1. BASU now invites proposals from interested eligible bidders through e-procurement process for **–Repair & Renovation to Main Building of BVC including roof treatment under B.A.S.U., Patna.**
2. The bidder shall submit his response through Bid online submission to the tender on e-Procurement portal at <https://www.eproc.bihar.gov.in/BELTRON> by the procedure given below:
3. The bidder must have the DSC/PKI and user id of the e-procurement website before participated in the e-tendering process. The bidder may use their DSC/PKI if they already have the DSC/PKI. They can also take it from any of the authorized agencies or they may contact on our e-procurement help desk. For user id they can get registered on e-procurement website <https://www.eproc.bihar.gov.in/BELTRON> by paying annual registration fee. Offline bids shall not be entertained by the Tender Inviting Authority for the tenders published in e-procurement platform.
4. The bidders shall submit their eligibility and qualification details, Technical bid, Financial bid etc., in the online standard formats given in e-Procurement web site by uploading scanned copies of all the relevant certificates, documents etc., technical bids in the e-Procurement web site <https://www.eproc.bihar.gov.in/BELTRON>. The bidder shall sign on the statements, documents, certificates, uploaded by them, owning responsibility for their correctness/authenticity.
5. All the required documents will be attached at the proper place as mentioned in the e-forms otherwise the tender will be rejected.
6. The tender opening will be done online only. Any corrigendum, date extension notice and evaluation of technical Bid will be given on the BASU and e-procurement website only.
7. For support related to e-tendering process, bidders may contact at following address:  
“e- Procurement HELP DESK First Floor, M/22, Bank of India Building, Road No-25, Sri Krishna Nagar, Patna- 800001. Ph. No: 0612-2523006, Mob- 7542028164” or may visit the link “Vendor Info” at (<https://www.eproc.bihar.gov.in>).
8. 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.
9. Earnest money in any form as prescribed in rule 161 of the revised PWD code and duly endorsed/pledged to the **ESTATE OFFICER, BIHAR ANIMAL SCIENCES UNIVERSITY, PATNA** can be in any of the following shape or combination thereof
  1. Fixed deposit receipt of Nationalized/ Scheduled Bank and valid for the six months after last date of receipt of tender.
  2. Post Office/ Saving Bank Passbook.
  3. One, Two- or Three-year's post office time deposit.
  4. NSC issued within the state of Bihar
  5. 5 years National Development Bond.
  6. State Development Loan Certificate.

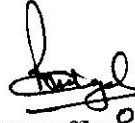
The above instruments shall remain valid for the minimum period of six months after last date of receipt of tender.

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- 10. (a) A scanned copy of the instruments for Earnest Money as described in clause 10 & 11 above to be uploaded along with the tender documents.  
(b) In respect of 10(a) the bidder shall also upload details of the instruments including amount, date, serial no., bank on which drawn, office in favour of whom it is drawn/pledged and the place where they are payable.
- 11. Bidder/Contractors can access tender documents on the website and must fill and submit the completed tender document into Electronic form on the website itself. Bidders/Contractors shall attach scanned copy of all required papers, DD and certificates as required in the eligibility criteria. All the uploaded documents shall have the signature of the Bidder or their authorized signatories. The scanned copy should be of the original papers and the certificates.
- 12. As per RCD letter no 3987(s), dated 28.04.2012, tenderers will have to declare by affidavit that they have not been declared defaulter or blacklisted by any State Government/Central Government/ Public Undertaking. If such affidavit is subsequently found to be false, their tender shall not be considered and further legal action shall be initiated.
- 13. As per RCD letter no 3407 (s) dated 18.03.2011 it is mandatory for bidders to upload an affidavit to the effect that they are not ineligible to participate in the tender.
- 14. In the unlikely event of the server for www.eproc.bihar.gov.in being down for more than two consecutive hours ( in the period from midnight to closing time for receipt of tenders) on the last date of receiving of bid, the last date of the same shall automatically be extended to next working day till the last receiving time stipulated in the original NIT.
- 15. The bidders are requested to check their file size of uploaded documents at the time of submission and they should ensure that work file is uploaded. If they feel that the complete file is not uploaded then they should click on cancel and updated the same before submission. The Bidders should satisfy themselves of download ability/visibility of the scanned and uploaded file by them.
- 16. The bidders are directed to Zip their files using WinZip or Win RAR Software only. Other formats of Zipping will not be accepted and will be rejected.
- 17. The bidder must use MS Office-2003 or lower version.
- 18. File size should be less than 5MB and should be in MS Word, Ms Excel, PDF and JPEG formats.
- 19. No claim shall be entertained on account of disruption of internet service being used by bidders. Bidders are advised to upload their bids well in advance to avoid last minute technical snags.
- 20. 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 as per RCD notification no. 447(s) dated 16.01.2020.
- 21. Bids along with necessary online payments must be submitted through e- procurement portal www.eproc.bihar.gov.in before the date and time specified in the NIT, The Department doesn't take any responsibility for the delay Non-submission of Tender/Non- Reconciliation of online payment cause due to Non-availability of Internet connection, Network Traffic/Holidays or any other reason.
- 22. The Contractor should quote in their tender:
  - a. Period within which they can complete the work commencing from the date of written orders to commence the work.
  - b. The plants and machinery they possess for execution of works.
  - c. Experience, (last Three years) they have with details of works and its locations.
  - d. Certificate, if any about the capacity of doing work.
  - e. Technical staff, if they possess.
- 23. 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.
- 24. Conditional tenders may be outright rejected.
- 25. After approval of rates by the competent authority the contractor shall have to deposit the initial Security money in shape of D.D. or N.S.C. with 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.
- 26. 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.
- 27. No. claim for idle labours due to stoppage of work non supply of materials, drawing and designs or delay due to any other reasons shall be entertained.
- 28. The Contractor shall arrange necessary site for accommodation and other facilities like medical aid etc. for this labours at his own cost and initiative as well as will comply with all labours rules prevalent in the locality.
- 29. 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.
- 30. No claim shall be entertained due to fluctuation of rates of labour and materials at any time during completion of work.

*Prasanna Kumar*

- 31. The contractor employing trucks for carriage of materials or other works shall comply with the rules of Motor Vehicles Act.
- 32. In the case of L.S. Tenders contractors should clearly write both in figures and words.
- 33. 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.
- 34. The contractor should maintain the Repair / Renovation Work during the defect liability period from the date of completion of work.
- 35. Registered local contractors of appropriate category of PWD/ CPWD having satisfactory records of work will be allowed to tender for the work. The category of contractor should be appropriate as per prevailing state rules and PWD code.

  
06/01/2021

Estate officer,  
Bihar Animal Sciences university, Patna

*Vijaykanti*

**Bill of Quantity for Repair & Renovation to Main Building of BVC including roof treatment under B.A.S.U., Patna**

Estimated Cost :- Rs.49,44,657 =00	E.M. to be deposited :-	₹ 98900=00
Last Date of downloading tender paper:- 06.02.2021 upto 05:00 p.m.	Cost of B.O.Q :-	₹ 5000=00
End Date of uploading Tender :- 08.02.2021 upto 5:00 p.m.	Time of Completion :-	180 Days

Sl.No.	Item of Work	Quantity unit	Rate	Amount
(1).	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1cement: 4 coarse sand)			
14.1.2		176.12 m <sup>2</sup> @	225.60 /m <sup>2</sup>	₹ 39733=00
(2).	Renewing glass panes, with putty and nails wherever necessary:			
14.5.	Float glass panes weighing 10 kg/m <sup>2</sup> (4mm thick	83.05 m <sup>2</sup> @	697.60 /m <sup>2</sup>	₹ 57936=00
(3).	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC 0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4): 1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully			
26.26.1		383.37 m <sup>2</sup> @	1,358.40 /m <sup>2</sup>	₹ 520770=00
(4).	Providing and fixing 12 mm thick micro tegular edged semi perforated GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm			
code 8581		7.04 m <sup>2</sup> @	592.35 /m <sup>2</sup>	₹ 4170=00

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- (5). Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / aneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately. For fixed portion

21.1.1

403.26 Kg @ 382.40 /Kg ₹ 154207=00

- (6). Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):

6.0 mm th. High performance Glass

code 2617

22.20 m<sup>2</sup> @ 1,161.50 /m<sup>2</sup> ₹ 25785=00

- (7). Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)

21.1.2.1

36.00 Kg @ 441.80 /Kg ₹ 15905=00

- (8). Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):

With float glass panes of 5.5 mm thickness

21.3.2

5.02 m<sup>2</sup> @ 1,110.20 /m<sup>2</sup> ₹ 5573=00

- (9). Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.

21.2.2

22.20 m<sup>2</sup> @ 937.60 /m<sup>2</sup> ₹ 20815=00

- (10). Providing and fixing 1st class teak wood plain lining tongued and grooved, including wooden plugs complete with necessary screws and priming coat on unexposed surface 12 mm thick

9.34.3

125.58 m<sup>2</sup> @ 3,094.50 /m<sup>2</sup> ₹ 388607=00

- (11). Providing and fixing universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete Godrej or equivalent make

M.R.

3 no @ 1,500.00 /each ₹ 4500=00

- (12). Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness

21.4.1

2 no @ 2,267.50 /each ₹ 4535=00

- (13). Providing and fixing 25 mm thick shutters for cupboards etc. including black enamelled M.S. butt hinges with necessary screws : Second class teak wood

9.23A.1

37.31 m<sup>2</sup> @ 2,886.00 /m<sup>2</sup> ₹ 107677=00

- (14). Providing and fixing plywood 4 mm thick, one side decorative veneer conforming to IS: 1328 (type-1), for plain lining / cladding with necessary screws, including priming coat on unexposed surface with:

9.37.1

7.95 m<sup>2</sup> @ 1,084.10 /m<sup>2</sup> ₹ 8619=00

- (15). Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:

15.7.4

0.48 m<sup>3</sup> @ 773.50 /m<sup>3</sup> ₹ 371=00

- (16). 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

10.65 m<sup>3</sup> @ 5,641.00 /m<sup>3</sup> ₹ 60077=00

- (17). 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

296.49 m<sup>2</sup> @ 20.30 /m<sup>2</sup> ₹ 6019=00

- (18). 12 mm th.C.P. of mix (1:6) including all complete job

13.11.4

324.93 m<sup>2</sup> @ 134.50 /m<sup>2</sup> ₹ 43703=00

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(19). Providing & fixing 1st quality ceramic endura/Euro/Digital H.D Glazed wall tiles conforming to IS 15662 th. 8 to 10 mm tiles fixing with 12 mm CM(1:3) .... Job tiles size 300mm X 450mm A.R. S.E. SBC	254.10 sft. @	114.45 /sft.	₹ 29082=00
(20). Demolishing cement concrete including disposal of material within 50 metre lead: 1:3:6 or richer mix 15.2.1	7.188 m <sup>3</sup> @	911.40 /m <sup>3</sup>	₹ 6551=00
(21). Providing & laying ceramic endura/euro/digital H.D. floor tiles 10 mm th. 300 X 300 mm of 1st quality conforming to IS 15662 of approved make in colour such as white,ivory,gray,frame red, brown in 20 mm cm(1:4)...job 11.38	25.90 m <sup>2</sup> @	1,565.00 /m <sup>2</sup>	₹ 40534=00
(22). Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. complete 13.80	5,457.23 m <sup>2</sup> @	9.10 /m <sup>2</sup>	₹ 49661=00
(23). Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. 13.80A.1	5,929.84 m <sup>2</sup> @	77.70 /m <sup>2</sup>	₹ 460749=00
(24). Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade . including priming coat with cement primer 13.78.2 + 13.77.3	5,929.84 m <sup>2</sup> @	68.40 /m <sup>2</sup>	₹ 405601=00
(25). Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade: With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and softwood) 13.81.1+ 13.82.4	896.47 m <sup>2</sup> @	90.00 /m <sup>2</sup>	₹ 80682=00
(26). Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall : 18.11.1 a. 15 mm dia nominal bore	12.20 m @	302.70 /m	₹ 3693=00
(27). Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 18.10. a. 15 mm dia nominal bore b. 25 mm dia G.I. pipe	6.00 m @ 18.00 m @	216.30 /m 355.10 /m	₹ 1298=00 ₹ 6392=00

*Revised*

<b>(28). Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :</b>			
18.17.1			
a. 25 mm dia G.I. pipe	2 no @	497.20 /each	₹ 994=00
<b>(29). 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 :</b>			
18.13.1			
a. 25 to 40 mm nominal bore	6 no @	402.30 /each	₹ 2414=00
<b>(30). Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :</b>			
18.46.1 a. 15 mm nominal bore	4 no @	145.40 /each	₹ 582=00
18.46.3 b. 25 mm nominal bore	3 no @	249.70 /each	₹ 749=00
<b>(31). 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 :</b>			
Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.			
17.7.1 + 17.8	4 no @	3959.00 /each	₹ 15836=00
<b>(32). Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern &amp; C.P. flush bend with fittings &amp; C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :</b>			
17.3.2	1 no @	5274.80 /each	₹ 5275=00
<b>(33). Providing and fixing following fittings</b>			
18.65 PTMT soap Dish Holder	3 no @	130.50 /each	₹ 392=00
17.73.1 Towel rail 15 mm bore	2 no @	398.80 /each	₹ 798=00
17.31 Mirror of superior glass	2 no @	978.90 /each	₹ 1958=00
18.53.1 C.P. brass angle valve	2 no @	532.00 /each	₹ 1064=00
18.52.1 C.P. brass stop cock (concealed)	4 no @	606.30 /each	₹ 2425=00
18.49 C.P. brass bib cock	6 no @	419.00 /each	₹ 2514=00
<b>(34). 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</b>			
19.27.1	2 no @	3710.40 /each	₹ 7421=00
<b>(35). Providing and fixing on wall face unplasticised-PVC pipes with accessories incl...job</b>			
12.78.2 110 mm dia PVC Pipe	24.00 m @	252.60 /m	₹ 6062=00
12.79.5.2 110 mm bend	4 no @	129.80 /each	₹ 519=00
12.79.3.2 110 mm tee	3 no @	191.20 /each	₹ 574=00
12.80.2 110 mm clip	6 no @	174.06 /each	₹ 1044=00

*Rajawade*



(36). Labour for clearing jungle & site clearance inc.all complete job

0L01 Labour 12 no @ 373.35 /each ₹ 4480=00

(37). Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.

2.28 3.87 m<sup>3</sup> @ 281.40 /m<sup>3</sup> ₹ 1089=00

(38). Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,

11.72 16.91 m<sup>2</sup> @ 285.20 /m<sup>2</sup> ₹ 4823=00

(39). Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centring, shuttering and finishing.

4.4.1 1:2:4 (1 Cement :2 coarse sand :4 grade stone aggregate 20 mm nominal size)

5.04 m<sup>3</sup> @ 3953.40 /m<sup>3</sup> ₹ 19925=00

(40). Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, lald on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand ) including grouting the joint with white cement and matching pigments etc., complete Size of Tile 60x60 cm

11.41.2 85.75 m<sup>2</sup> @ 1,731.40 /m<sup>2</sup> ₹ 148468=00

(41). Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 60x60 cm

11.46.2 8.03 m<sup>2</sup> @ 1,309.50 /m<sup>2</sup> ₹ 10515=00

(42). Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finlsh etc. complete at all levels. Granite of any colour and shade Area of slab over 0.50 sqm

8.2.2.2 153.81 m<sup>2</sup> @ 4,028.50 /m<sup>2</sup> ₹ 619624=00

*Rajnikant*

(43). Providing edge moulding to 18 mm thick marble stone counters, vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. all complete as per building specification and direction of E/I. Granite work	10.33.5	189.44 m @	249.30 /m	₹ 47227=00
(44). Removing old tarfelting incl. all complete job as per direction of E/I	OSR	1,722.21 m <sup>2</sup> @	6.40 /m <sup>2</sup>	₹ 11022=00
(45). 20 mm cement plaster of mix1:4( 1 cement: 4 coarse sand) providing and mixing water proofing material in proportion recommended by the manufacturers:	13.13.2+ 13.36.6	1722.21 m <sup>2</sup> @	210.80 /m <sup>2</sup>	₹ 363042=00
(46). Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @0.40 litre/ sqm by the same membrane manufactured of density at 25° C, 0.87 - 0.89 kg/litre and viscocity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane.	22.19.1	1722.21 m <sup>2</sup> @	434.10 /m <sup>2</sup>	₹ 747611=00
3 mm thick.				
(47). Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately). Sal wood	9.1.2	0.321 m <sup>3</sup> @	94881.90 /m <sup>3</sup>	₹ 30457=00
(48). Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts,nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	9.53	36 no @	123.20 /each	₹ 4435=00

*Rajanikant*

(49). Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S.pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge

9.5.2.1 13.37 m<sup>2</sup> @ 1896.50 /m<sup>2</sup> ₹ 25356=00

9.7.2 Klin seasoned and chemically treated hollock wood for 40,35,30,25mm thick shutters

4.01 m<sup>2</sup> @ 1545.20 /m<sup>2</sup> ₹ 6196=00

(50). Removing white or colour wash by scrapping and sand paper in and preparing the surface smooth including necessary repair scratches etc. complete

13.74 2,635.27 m<sup>2</sup> @ 7.20 /m<sup>2</sup> ₹ 18974=00

(51). Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface

14.66.1 2,635.27 m<sup>2</sup> @ 72.70 /m<sup>2</sup> ₹ 191584=00


(52). Carriage of materials including all complete job

- |                               |                        |                          |            |
|-------------------------------|------------------------|--------------------------|------------|
| a. Sone Sand ( Lead 45 Km.)   | 64.52 m <sup>3</sup> @ | 899.20 /m <sup>3</sup>   | ₹ 58016=00 |
| b. Stone Chips (Lead 110 Km.) | 4.48 m <sup>3</sup> @  | 1,868.98 /m <sup>3</sup> | ₹ 8373=00  |
| c. Bricks Lead (1+7) Km.      | 4,870 no. @            | 878.15 %0 no.            | ₹ 4277=00  |
| d. Local Sand (Lead 3 Km.)    | 4.12 m <sup>3</sup> @  | 260.69 /m <sup>3</sup>   | ₹ 1074=00  |

(53). Extra cost of materials

- |           |             |                 |           |
|-----------|-------------|-----------------|-----------|
| a. Bricks | 4,870 no. @ | 1,639.10 %0 no. | ₹ 7982=00 |
| b. Cement | 471 bag @   | 13.25 /bag      | ₹ 6241=00 |

Total ₹ 4944657=00

  
06/11/2024  
Estate Officer  
B.A.S.U., Patna

Rajanika

## TENDER FORM

To,

The Estate Officer,  
Bihar Animal Sciences University, Patna-14

Subject: Tender Notice No.: .....

Sir,

I have gone through the bill of quantity and terms & conditions laid down in the tender documents and accept the same.

I am hereby submitting the technical bid and enclosing the documents as per details given below:

TECHNICAL BID		Yes/No
1	Registered contractor of Govt. of Bihar/C.P.W.D for appropriate category	
2	Cost of B.O.Q. (Non-refundable) to be deposited through Demand Draft in favour of the Finance Comptroller, BASU, Patna. Payable at Patna	
3	EMD Pledged in favour of the Estate Officer, BASU, Patna.	
4	PAN No./ Certificate	
5	GST No. / GST Certificate	
6	Latest Income Tax Return Acknowledgement Receipt	
7	Experience, they have with details of works and its locations.(Last Three Years)	
8	All the documents should be Self-Attested	
9	The bidder has to submit the affidavit regarding genuineness and non-black listed paper from notary	
FINANCIAL BID		
1	Bill of Quantity.	
2	Quoted rate on giving prescribed format (Fill up given information).	
3	Common set of condition.	

Certified that each and every page of the tender documents are serially numbered and signed by me.

Yours faithfully,

Nature and Name of the authorized Signatory with seal

Designation

Name of the firm (Tenderer)

*Rajankesh*

TECHNICAL BID

1. (a) Name of the Tenderer: .....

(b) Registration No. : .....

2. Address of Tenderer

.....  
.....  
.....  
.....

3. Telephone No.: .....

4. Mobile No.: .....

5. Fax No.: .....

6. e-mail Address:.....

7. (a) Details of Cost of B.O.Q. : .....

(b) E.M.D. Details : .....

8. Bank details of the bidder:.....

Name of Account Holder:.....

Name of Bank:.....

Bank Account No.:.....

IFSC & MICR Code:.....

Address of the Bank:.....

I am enclosing duly signed Technical specification of the items offered in response of this Bid.

Seal & Signature of Bidder

*T. Rajan*


## N.I.T. SPECIAL CONDITIONS

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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 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.
22. Lime concrete intended for terrace work over R.C.C. slab roof shall also machine mixed.
23. 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 arranged 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.
24. No claim shall be entertained for cleaning and scraping rusts and normal elements from steel issued by the department.
25. 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.
26. 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.
27. For overall structural works except plastering clean and coarse sand shall be used. For plastering, clean and medium coarse sand shall be used and should be screened to 256 mesh in one square inch before used in work.

*Rajnikant*

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28. Flat iron, for making grills for window, hand rails for stair case etc. shall be procured by the tenderer himself.
  29. 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.
  30. 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.
  31. 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.
  32. 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.
  33. 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 nothing will rest with the department. The contractor shall also provide all facilities and medical aid to the labours employed, at his cost.
  34. Concrete mixer/vibrator will arranged by the contractors.
  35. 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.
  36. The contractor shall keep at site such implements to cost the soundness of material etc. at site. Moulds for making concrete cubes, steel comes for slump test etc. shall be kept at site and the cost of making them shall be borne by the contractor and no claim for the same will be tenable. 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 R.C.C. work shall be made only on satisfactory test result.
  37. 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.
  38. 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.
  39. Good and approved quality of lime should be used and samples may be got approved before use in works.
  40. In all R.C.C. and R.C.C. works, pakur or Manipur stone chips and coarse 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.
  41. In case of Inverted or Rectangular beams, only the rib portion projecting or below the slab shall be insured for payment purpose.
  42. 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.
  43. Procurement of water in all seasons with all leads and lift will rest with the contractor at his cost.
  44. 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.
  45. The contractor will be responsible for accident etc. if any during execution of work and nothing will rest with the department.
  46. Suitable recess for fixing clamps 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.
  47. 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.
  48. 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.
  49. Where joints in reinforcements in all R.C.C. works can not be avoided due to required length of steel bars, whether mild or for steel, they will be formed by over lapping to a length of 45 times the diameter and tied with 16.5 annaled soft iron wire.
  50. 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.
  51. 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.
  52. 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

