

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

NAME OF WORK: Balance work of Lecture Theatre (Civil work, Septic Tank and Electrical Works) at SGIDT under B.A.S.U., Patna for the year 2022-2023.

Tender amount: ₹ 69,97,699 /- Cost of tender paper: ₹ 10,000/- EMD:-₹ 1,40,000/-

1. BASU now invites proposals from interested eligible bidders through e-procurement process for **Balance work of Lecture Theatre (Civil work, Septic Tank and Electrical Works) at SGIDT under B.A.S.U., Patna** 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:
2. 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.
3. 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.
4. All the required documents will be attached at the proper place as mentioned in the e-forms otherwise the tender will be rejected.
5. 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.
6. 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>).
7. 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.
8. 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.

9. (a) A scanned copy of the instruments for Earnest Money as described in clause 9 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. The bidder must use MS Office-2003 or lower version.
17. File size should be less than 5MB and should be in MS Word, Ms Excel, PDF and JPEG formats.
18. 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.
19. 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.**
20. 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.
21. 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.
22. 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.
23. Conditional tenders may be outright rejected.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.

29. No claim shall be entertained due to fluctuation of rates of labour and materials at any time during completion of work.
30. The contractor employing trucks for carriage of materials or other works shall comply with the rules of Motor Vehicles Act.
31. In the case of L.S. Tenders contractors should clearly write both in figures and words.
32. 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.
33. The contractor should maintain the Repair / Renovation Work during the defect liability period from the date of completion of work.
34. 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.

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4/1/22
Dep. E. O.

Estate officer,
Bihar Animal Sciences university, Patna

Bill of Quantity for Balance work of Lecture Theatre (Civil work, Septic Tank and Electrical Works) at SGIDT under B.A.S.U., Patna for the year 2022-2023

Estimated Cost :- Rs.69,97,699 =00	E.M. to be deposited :-	₹ 140000=00
Last Date of downloading tender paper:- 26.11.2022 upto 03:00 p.m.	Cost of B.O.Q :-	₹ 10000=00
End Date of uploading Tender :-28.11.2022 upto 3:00 p.m.	Time of Completion :-	180 Days

Sl.No.	Item of Work	Quantity unit	Rate	Amount
(1). 2.33	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m	487.92 m ² @	335.30 %m ²	₹ 1636=00
(2). 2.8.1	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m 5.41+ 16.27+16.27 =	37.95 m ³ @	360.70 /m ³	₹ 13689=00
(3). 2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete. 23.91 + 1.20+1.20=	26.31 m ³ @	281.40 /m ³	₹ 7404=00
(4). 11.78	Providing and laying factory made coloured chamfered edge Cement Concrete paver blocks of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of fine sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with jamuna sand and cutting of paver blocks as per required size and pattern,finishing and sweeping extra sand in footpath, parks, lawns, drive ways or light traffic parking etc.complete as per manufacturer's specifications & direction of Engineer-in-Charge. 60mm thick C.C.paver block of M-35 grade with approved colour, design & pattern.	46.45 m ² @	714.00 /m ²	₹ 33165=00
(5). 11.72	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, 49.48+8.04+8.04 =	65.56 m ² @	283.30 /m ²	₹ 18573=00
(6). 4.4.1	Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centring, shuttering and finishing. 1:2:4 (1 Cement :2 coarse sand :4 grade stone aggregate 20 mm nominal size) 4.70 + 1.10+ 1.10 =	6.90 m ³ @	3998.10 /m ³	₹ 27587=00

2021

(7). Centring and shuttering including strutting, propping etc. and removal of form for.					
a. Suspended floors, roots, landings, balconies and access platform.					
5.9.3	54.09+ 9.02+ 9.02 =	72.13 m ² @	437.50 /m ²	₹ 31557=00	
b. Lintels, beams, plinth bams, griders, bressumers and contilevers.					
5.9.4		21.19 m ² @	437.50 /m ²	₹ 9271=00	
(8). Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.					
(i) 5.22.7 A	TMTC-415 8 mm dia 211.71 + 28 + 28 =	267.71 kg @	94.50 /kg	₹ 25299=00	
(ii) 5.22.7 B	TMTC-500 10mm dia 407.75 + 51 + 51 =	509.75 kg @	92.60 /kg	₹ 47203=00	
(9). 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 aggregate 20 mm nominal size					
5.3		6.20 m ³ @	5,335.90 /m ³	₹ 33083=00	
(10). 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		5.97 m ³ @	5,662.10 /m ³	₹ 33803=00	
(11). 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 finish etc. complete at all levels. Granite of any colour and shade Area of slab upto 0.50 sqm					
8.2.2.1		676.62 m ² @	4,242.90 /m ²	₹ 2870831=00	
(12). Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete . Base with 1:1:1 (1 lime : 1 surkhi: 1 coarse sand) / 1:4 (1 cement: 4 coarse sand) 20 to 25 mm thick -					
11.26.1		146.26 m ² @	1,252.70 /m ²	₹ 183220=00	

- (13). Kota stone slabs 20 mm thick in risers of steps skirting. Dado & pillars laid on 12 mm (average thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.
- 11.27 21.95 m² @ 1,334.90 /m² ₹ 29301=00
- (14). Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Glazed Vitrified tiles Matt/ Antiskid finish of Size of Tile 600 x 600 mm
- 11.41.A.3 51.59 m² @ 1,054.30 /m² ₹ 54391=00
- (15). Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.
- 11.36 192.36 m² @ 795.00 /m² ₹ 152926=00
- (16). Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos. of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.
- 9.119 74.25 m @ 379.40 /m ₹ 28170=00

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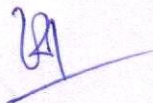
(17).	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled				
9.118.2					
		24.00 m ² @	1,846.90 /m ²	₹ 44326=00	
(18).	Providing and fixing in position collapsible steel shutters with vertical channes 20x10x2 mm and braced with flat iron diagonals 20x5 mm size with top and bottom rail of T-tron 40x40x6 mm with 40 mm dia steel pulleys complete with bolts.nuts locking arrangement stoppers handies including applying a priming coat of approved steel primer.				
10.3					
		6.06 m ² @	6303.40 /m ²	₹ 38199=00	
(19).	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 complete including applying a priming coat of approved steel primer. Using M.S. angle 40x40x6 mm for diagonal braces				
10.5.1					
		2.601 m ² @	3653.00 /m ²	₹ 9501=00	
(20).	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete				
9.48.1					
		1,878.90 Kg @	144.50 /Kg	₹ 271501=00	
(21).	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).				
10.36					
		609.37 Kg @	521.00 /Kg	₹ 317482=00	

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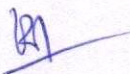
- (22). Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multichambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in- Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately) Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable

Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm)

9.147D.1

56.82 m² @ 7074.90 /m² ₹ 401996=00


(23).	<p>Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension uPVC extruded glazing beads, uPVC extruded interlock and uPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) crescent lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately).</p> <p>Two track two panels sliding door made of (big series) frame 67 x 50 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm)</p>	9.147F.1	37.82 m ² @	6404.80 /m ²	₹ 242230=00
(24).	<p>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):</p> <p>With float glass panes of 5.5 mm thickness</p>	21.3.2	51.15 m ² @	1,115.10 /m ²	₹ 57037=00
(25).	<p>Providing and fixing Pre -laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately).</p> <p>Pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587</p>	9.156.1	17.02 m ² @	797.20 /m ²	₹ 13568=00
(26).	<p>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.</p>	18.48	2,000 lit. @	9.70 /lit.	₹ 19400=00



- (27). Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with onestep CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.

External work

18.9.2	a. 20 mm nominal outer dia Pipes	90.00 m @	205.30 /m	₹ 18477=00
18.9.3	b. 25 mm nominal outer dia Pipes	60.00 m @	294.70 /m	₹ 17682=00
18.9.4	c. 32 mm nominal outer dia Pipes	90.00 m @	359.10 /m	₹ 32319=00

- (28). Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :

18.17.2	a. 32 mm nominal outer dia Pipes	4 no @	589.90 /each	₹ 2360=00
18.17.1	b. 25 mm nominal outer dia Pipes	4 no @	532.30 /each	₹ 2129=00

- (29). 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.

Concealed work, including cutting chases and making good the 20 mm dia nominal bore

18.8.2		73.17 m @	350.80 /m	₹ 25668=00
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- (30). 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 :

18.13.1	a. 25 to 40 mm nominal bore	24 no @	446.70 /each	₹ 10721=00
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- (31). Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :

18.46.1	a. 15 mm nominal bore	12 no @	158.80 /each	₹ 1906=00
18.46.3	b. 25 mm nominal bore	8 no @	265.90 /each	₹ 2127=00

- (32). 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		5 no @	2764.40 /each	₹ 13822=00
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- (33). Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests

17.1.1		3 no @	4470.90 /each	₹ 13413=00
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17.3.1	(34). 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 & C.P. flush bend with fittings & 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 :	4 no @	5504.30 /each	₹ 22017=00
17.5.1	(35). Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern,with fittings, standard size C.P. brass lush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS :2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	6 no @	6469.00 /each	₹ 38814=00
17.10.2.1	(36). Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS : 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board 610x510 mm bowl depth 200 mm	1 no @	3786.60 /each	₹ 3787=00
18.65	(37). Providing and fixing following fittings PTMT soap Dish Holder	10 no @	96.80 /each	₹ 968=00
17.73.1	Towel rail 15 mm bore	9 no @	397.30 /each	₹ 3576=00
17.31	Mirror of superior glass	9 no @	1068.50 /each	₹ 9617=00
18.53.1	C.P. brass angle valve	12 no @	500.40 /each	₹ 6005=00
18.49	C.P. Bib cock	15 no @	434.20 /each	₹ 6513=00
18.16.1	brass stop cock	12 no @	303.80 /each	₹ 3646=00
19.27.1	(38). 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 7.5	8 no @	3743.30 /each	₹ 29946=00
12.78.2	(39). Providing and fixing on wall face unplastidsed-PVC pipes with accessories incl...job 110 mm dia PVC Pipe 180 + 18 +18 =	216.00 m @	257.50 /m	₹ 55620=00
12.79.5	110 mm bend 42 + 2 + 2 =	44 no @	132.00 /each	₹ 5808=00
12.79.4	110 mm tee 20 + 3 + 3 =	26 no @	190.70 /each	₹ 4958=00
12.80.2	110 mm clip 90 + 2 + 2 =	94 no @	182.72 /each	₹ 17176=00
12.78.1	75 mm dia PVC Pipe	30.00 m @	162.70 /m	₹ 4881=00
12.79.5	75 mm bend	10 no @	91.80 /each	₹ 918=00

BR

(40). 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	40.89 m ² @	237.20 /m ²	₹ 9699=00	
(41). 12 mm th.C.P. of mix (1:6) including all complete job				
13.11.4	26.76 m ² @	141.50 /m ²	₹ 3787=00	
(42). 6 mm C.P. to ceiling of mix(1:4) including all complete job				
13.24.2	42.92 m ² @	125.60 /m ²	₹ 5391=00	
(43). 12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with a floating coat of neat cement				
13.17.1	23.42 m ² @	203.60 /m ²	₹ 4768=00	
(44). Providing 250mm wide brick drain in cement mortar (1:6) with av.150mm. Clear depth and 250mm apron including cost of E/W. involved with 75mm cement concrete (1:4:8) over one brick designation 100-Aflat soling in proper grade and slope at the base.the drain duly.plastered in CM. (1:3) with punning over exposed surface all complete as per building specification and direction of E/I,				
6.47A	50.00 m @	1087.90 /m	₹ 54395=00	
(45). Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.				
13.80A.2	1,625.35 m ² @	105.40 /m ²	₹ 171312=00	
(46). Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade . New work (two or more coats) over and including priming coat with cement primer				
13.77.2	1,695.03 m ² @	102.30 /m ²	₹ 173402=00	
(47). Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)				
13.46.1	955.11 m ² @	137.00 /m ²	₹ 130850=00	
(48). Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade:				
13.82.1/13.82.2	93.73 m ² @	83.50 /m ²	₹ 7826=00	

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(49). Labour for clearing jungle & site clearance inc.all complete job				
0L01	Labour	8 + 8 =	16 no @	398.05 /each ₹ 6369=00
(50). Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.4 (1 cement: 4 coarse sand)				
6.1.12/1		7.45 + 7.45 =	14.90 m ³ @	5,017.90 /m ³ ₹ 74767=00
(51). Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring,shuttering,finishing and reinforcement-All work upto plinth level 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)				
5.1.2		1.13 + 1.13 =	2.260 m ³ @	4,688.30 /m ³ ₹ 10596=00
(52). 12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with a floating coat of neat cement Extra for providing and mixing water proofing material in proportion recommended by the manufacturers:				
13.17.1 + 13.36.1		39.54 + 39.54=	79.08 m ² @	212.60 /m ² ₹ 16812=00
(53). 12 mm th.C.P. of mix (1:4) including all complete job				
13.11.2		15.18 + 15.18=	30.36 m ² @	152.90 /m ² ₹ 4642=00
(54). Filling available excavated earth (excluding rock) in trenches, plinth,sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering lead				
2.26		3.36 + 3.36=	6.72 m ³ @	116.50 /m ³ ₹ 783=00
(55). Carriage of materials including all complete job				
a.	Sone Sand (Lead 45 Km.)		49.90 m ³ @	1,134.70 /m ³ ₹ 56622=00
b.	Stone Chips (Lead 110 Km.)		16.37 m ³ @	2,427.53 /m ³ ₹ 39739=00
c.	Bricks Lead (1+7) Km.		15,494 no. @	1,140.59 %0 no. ₹ 17672=00
d.	Local Sand (Lead 3 Km.)		28.03 m ³ @	283.32 /m ³ ₹ 7941=00
(56). Extra cost of materials				
a.	Bricks		15,494 no. @	1,590.97 %0 no. ₹ 24650=00
b.	Cement		429 bag @	13.13 /bag ₹ 5633=00

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Electrical Works

(57).	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 modular switch , modular plate, suitable size G.I. box etc as required.			
1.3.3	Group 'C'	170 point @	724.00 /point	₹ 123080=00
(58).	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.			
1.21.1	20mm	40 mtr @	68.00 /mtr	₹ 2720=00
1.21.2	25mm	30 mtr @	79.00 /mtr	₹ 2370=00
(59).	Supplying and fixing following size/ modules, GI box along with modular base and cover plate for modular switches in recess etc as required.			
1.27.1	1 or 2 Module (75mmX75mm)	4 No. @	180.00 /Each	₹ 720=00
1.27.6	12 Module (200mmX150mm)	2 No. @	423.00 /Each	₹ 846=00
(60).	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.			
1.24.6	Telephone socket outlet	6 No. @	108.00 /Each	₹ 648=00
(61).	Supplying and fixing stepped type electronic fan regulator on the existing modular plate/ switch box including connections but excluding modular plate etc. as required.			
1.25		42 No. @	359.00 /Each	₹ 15078=00
(62).	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.			
1.31		28 No. @	362.00 /Each	₹ 10136=00
(63).	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.			
1.32		30 No. @	413.00 /Each	₹ 12390=00
(64).	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.			
1.33		70 No. @	42.00 /Each	₹ 2940=00
(65).	Supplying and fixing batten/ angle holder including connection etc. as required.			
1.34		15 No. @	46.00 /Each	₹ 690=00
(66).	Providing and fixing plain 16/0.20mm (0.50sq mm) twin flat flexible, FR PVC insulated, copper cable, in PVC sleeve of suitable size on the floor /wall, or side of the table /door etc. as required.			
1.39		120 mtr @	18.00 /mtr	₹ 2160=00
(67).	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.			
1.5		520 mtr @	200.00 /mtr	₹ 104000=00

URA


(68). Wiring for circuit/ submain wiring alongwith earth wire with the following sizes 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	420 mtr @	130.00 /mtr ₹ 54600=00
1.7.11	4 X 6 sq. mm + 1 X 6 sq. mm earth wire	80 mtr @	410.00 /mtr ₹ 32800=00
1.7.12	4 X 10 sq. mm + 1 X 10 sq. mm earth wire	60 mtr @	593.00 /mtr ₹ 35580=00
(69). 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.			
2.12.1	6/32 amps, Single pole	48 No. @	192.00 Each ₹ 9216=00
2.12.6	40 amps, Tripole pole and neutral	2 No. @	1,487.00 Each ₹ 2974=00
2.12.7	50/63 amps, Tripole pole and neutral	2 No. @	1,635.00 Each ₹ 3270=00
(70). Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel at least 2 mm thick,vitreous enameled white on both sides, and with inscription in single red colour on front side as required			
2.20		1 No. @	178.00 /Each ₹ 178=00
(71). 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			
2.31		16 No. @	594.00 /Each ₹ 9504=00
(72). Single powder coated batten suitable for 1X28 watt T5 each lamp complete with electronic ballast etc.			
2015		10 No. @	342.00 /Each ₹ 3420=00
(73). 3.5 core, 70 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor			
2208		80 mtr @	281.40 /mtr ₹ 22512=00
(74). Wall / floor mounted L.T. cubical panel board, fabricated with 16 guage iron sheet suitable for panel mounted SFU and complete with bus-bar chamber, insulator, nut-bolt and painting etc.			
2311		12 sft. @	1,000.00 /sft ₹ 12000=00
(75). Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections etc.			
2.4.1	25/100 Amp, 10 KA	4 No. @	2,158.00 /Each ₹ 8632=00
2.4.4	160 Amp, 35 KA	1 No. @	9,787.00 /Each ₹ 9787=00
(76). Providing and fixing following capacity busbar chamber with 4 strips of suitable size made of copper, heavy duty, complete with all accessories including connections, earthing the body etc. as required.			
2.5.3	200 Amps	1 No. @	7,742.00 /Each ₹ 7742=00
(77). Providing and fixing following capacity four pole ON load/ panel mounted changeover switches inside the existing cubical panel board including drilling holes in cubicle panel, making connections etc. as required.			
2.7.3	100 Amp, four pole	1 No. @	4,878.00 /Each ₹ 4878=00



(78). 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)			
2.9.4 4 way (4 + 12), double door, horizontal type	4 No. @	2,388.00 Each	₹ 9552=00
(79). Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering watering pipe 2.7 metre long etc. with charcoal/ coke and salt as required.			
3.4	2 No. @	6,276.00 /Each	₹ 12552=00
(80). Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.			
3.15	30 mtr @	150.00 /mtr	₹ 4500=00
(81). Supplying and fixing recess/surface mounted 23/24 (1ft X 1ft) watt LED downlighter complete with integrated electronic driver & LED directly on ceiling/false ceiling including connection with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as			
5.11.6	90 No. @	2,056.00 /Each	₹ 185040=00
(82). Supplying and fixing of following types lamp in the existing electrical fitting/ fixtures etc. as required.			
6.1.33 10/12 watt LED lamp	15 No. @	178.00 /Each	₹ 2670=00
(83). 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.			
7.1.2 Above 35 sq. mm and upto 95 sq. mm	65 mtr @	151.00 /mtr	₹ 9815=00
(84). Supply and installation of regular/standard model A.C. ceiling fan of 1200 mm sweep including wiring the down rods of standard length (upto 30 cm) with 1.5 sq cable			
8.11.2	42 No. @	1,618.00 /Each	₹ 67956=00
(85). Supply and installation of 300 mm, 230 v A.C. exhaust fan in the existing opening including making good the damage, connection testing, commissioning etc as required			
8.11.4	8 No. @	1,483.00 /Each	₹ 11864=00
Total			₹ 6997699=00

Approved

Estate Officer
B.A.S.U., Patna


 04/11/22
 Dep. E.O.

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 woks 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)



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:.....

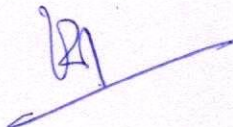
Bank Account No.:.....

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



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 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.
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 arraignments 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 been 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 employ 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 Manpur 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 integral 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.