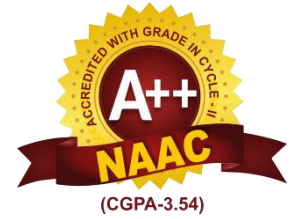




राजस्थान केन्द्रीय विश्वविद्यालय
Central University of Rajasthan
NH-8, Bandarsindri, Kishangarh-305817, Ajmer(Raj.)



NIT No. CURAJ/R/F.153/2024/3406

Date:01.01.2024

Financial Bid

Name of Work: Repair and Maintenance work at Vice Chancellor Residence, Central University of Rajasthan, Bandarsindri, Dist. Ajmer, Rajasthan.

S.N.	Description of Work	Qty.	Unit	Rate	Amount
CIVIL WORK (A)					
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
1.1	All kinds of soil	14.58	cum		
2	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand(zone-III) derived from natural sources: 4 graded stone aggregate 20mm nominal size derived from natural sources).	12.96	sqm		
3	Demolishing brick work masonry work manually/ by mechanical means including stacking of serviceable material if any and disposal of unserviceable material within 1Kilometres lead as per direction of Engineer-in-charge.				
3.1	In cement mortar	38.16	cum		
4	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured):				
4.1	From brick work in cement mortar	1500	1000 Nos.		
5	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
5.1	For thickness of tiles 10 mm to 25 mm	16	sqm		
6	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 1KM metres lead as per	4.37	cum		

	direction of Engineer - in- charge.				
7	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
7.1	Of area 3 sq. metres and below	3	each		
8	Dismantling stone cladding tiled etc. complete including disposal of material within 500 metres lead.	64.80	sqm		
9	Coursed rubble masonry (first sort) with hard stone in foundation and plinth with :				
9.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	9.72	cum		
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
10.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	19.87	cum		
11	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
11.1	Cement mortar 1:4 (1 cement :4 coarse sand)	64.80	sqm		
12	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	64.80	sqm		
13	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
13.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources).	1.89	cum		
14	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, ifnishing and reinforcement- All work up to plinth level :				
14.1	1:1.5:3 (1 cement: 1.5 coarse sand (zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources).	3.53	cum		
15	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement: 1.5 coarse sand (zone-III)derived from natural sources:	16.08	cum		

	3 graded stone aggregate 20 mm nominal size derived from natural sources).				
16	Centering and shuttering including strutting, propping etc. and removal of form for				
16.1	Lintels, beams, plinth beams, girders, bressumers and cantilevers	119.54	sqm		
17	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
17.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	850	kg		
18	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
18.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	1500	kg		
19	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
19.1	In 75x75 mm deep chase	21.20	metre		
20	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	2	each		
21	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound				

	conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test.“All above operations to be done in order and as directed and specified by the Engineer-in-Charge :				
21.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	30.80	sqm		
22	12 mm cement plaster of mix :				
22.1	1:6 (1 cement: 6 coarse sand)	156.88	sqm		
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.	78.44	sqm		
24	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
24.1	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	78.44	sqm		
25.0	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
25.1	Two coats	203.32	sqm		
26	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
26.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	111.60	sqm		
27	Distempering with oil bound washable distemper of approved brand and				

	manufacture to give an even shade :				
27.1	New work (two or more coats) over and including water thinnable priming coat with cement primer	79.25	sqm		
28	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).				
28.1	Second class teak wood	0.81	cum		
29	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :				
29.1	2nd class teak wood				
29.1.1	50x12 mm	30.00	metre		
30	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :				
30.1	75x47x1.80 mm	32	each		
31	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :				
31.1	30 mm thick shutters				
31.1.1	with ISI marked M.S. pressed butt hinges bright finished of required size				
31.1.2	Second class teak wood	10.80	sqm		
32	Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below:				
32.1	1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 nos. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc.	38.86	Sqm		

	Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 1 or 2 layers without gap of time.)				
33	Stone work, plain in copings, cornices, string courses and plinth courses, upto 75 mm thick in Cement mortar 1:6 (1 cement : 6 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.				
33.1	Red sand stone	0.477	cum		
34	Marble stone flooring with 16 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry, including rubbing and polishing complete with :				
34.1	Makrana white second quality	28	sqm		
34.2	Udaipur green marble	10	sqm		
35	Providing and fixing S.S. grills of required pattern in frames of windows etc. with S.S. flats, square or round bars etc. all complete.				
35.1	Fixed to wood windows by necessary screws complete	80	kg		
36	Providing and fixing ISI marked S.S. tower bolt with necessary screws etc. complete :				
36.1	150x10 mm	32	each		
37	Stone work (machine cut edges) for wall lining etc. (veneer work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) with an admixture of pigment matching the stone shade, and stone treatment paint (water repellent) of one or more coat : (To be secured to the backing and the sides by means of cramps and pins if required which shall be paid for separately) :				

37.1	White sand stone - exposed face fine dressed with rough backing.				
37.1.1	12-15 mm thick	84.80	sqm		
38	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
38.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	63.00	sqm		

39	6 mm cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thick coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams.	47.08	sqm		
40	Providing and fixing 50 mm thick extruded polystyrene rigid insulation board of required size between cavity wall, complying with ISO 4898:2008 & ASTM C 578-08b - type VI, having thermal conductivity of 0.0289 W/m K as per ASTM C 578 (measured as per IS 3346), compressive strength of > 350 kPa listed as per ASTM D 1621, density of 34-36 kg/m ³ as per ASTM D 1622, water absorptions ≤ 1% by volume as per ASTM D 2842, oxygen index of 24.1 to 28.1 listed as per ASTM D 2863, cell size 0.4 mm of dia (max) as per ASTM D 3576. Fire retardent property as per DIN 4102, Part 1 of class B2 and as per ASTM E84 class A, fixed with suitable water based adhesive and fastener, complete in all respect as per the direction of Engineer-in-Charge.	63.60	sqm		
41	Providing and fixing ISI marked S.S.handle with necessary screws etc. complete :				
41.1	100x10 mm	16	Each		
	Sub Total Amount (A)			Rs.	
ELECTRICAL WORK (B)					
1	SITC of 1200 mm sweep ceiling fan with 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, copper winding, Power Factor not less than 0.9, all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply as per IS i/c connections etc. and suitable fan clamp with accessories as per std practice and directions of EIC. Minimum 01 year on-site warranty on product. Make-Usha/Bajaj/Crompton/ Havells /Orient; Colour-White.	1	each		
2	SITC of 1400 mm sweep ceiling fan with 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, copper winding, Power Factor not less than 0.9, all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply as per IS i/c connections etc. and suitable fan clamp with accessories as per std practice and directions of EIC. Minimum 01 year on-site warranty on	1	each		

	product. Make-Usha/Bajaj/Crompton/ Havells /Orient; Colour-White.				
3	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	2	each		
4	SITC of 12-15W, 230 V, 50 Hz, AC LED ceiling light as per IS i/c connections etc. as reqd on site.	6	each		
5	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
5.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	80	metre		
5.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	30	metre		
6	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
6.1	8 Module (125mmX125mm)	2	each		
7	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
7.1	5/6 A switch	12	each		
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	4	each		
9	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 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	5	each		
10	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	60	metre		
11	Dismantling of ceiling fan and painting the same with with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent and replacing the damaged rubber reel, nuts and bolts	1	job		

	with washers and safety pins, reinstalling the same as required.				
12	Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required. Note: This includes dismantling of existing fittings also.	10	each		
13	Dismantling of existing installed AC units along with accessories, Shifting them on new location with in the campus and Re-installation along with testing and commissioning etc. as reqd i/c handling charges complete, as per standard practice.				
13.1	Split AC of 1.0/1.5/2.0 TR or equivalent capacity.	1	each		
14	Installation, testing and commissioning of AC units (indoor & outdoor) along with accessories issued by the client i/c handling charges complete etc. as per standard practice.				
14.1	Split AC of 1.0/1.5/2.0 TR or equivalent capacity.	1	each		
	Sub Total Amount in Rs.				
	Gross Total Amount (A+B) in Rs.				
	Total Rupees(in words):				

Note:

1. The Goods and Service Tax, Turnover Tax, Excise Duty, Work Contract Tax, Or any other Tax as applicable shall be paid by the contractor himself. **The bidder shall quote his rates considering all such Taxes.**

Seal & Signature of Bidder
Date: