

BIPIN TRIPATHI KUMAON INSTITUTE OF TECHNOLOGY

DWARAHAT, ALMORA – 263653

Civil Maintenance Section

Web : www.kecus.ac.in

Phone : 05966 – 244250



TENDER DOCUMENT

Name of work	: Different civil works at Bipin Tripathi Kumaon Institute of Technology, Dwarahat, Almora on annual rate contract basis.
EMD Amount	: Rs. 76,260/-
Time of Completion of work	: 01 year annual contract
Last Date of submission of Tender	: 11-03-2015 up to 3.00 p.m.
Address for submission of Tender	: The Director, Bipin Tripathi Kumaon Institute of Technology, Dwarahat Almora – 263653, Uttarakhand (INDIA) E-mail : kecdwarahat@hotmail.com Phone No. 05966 – 244250
Date of opening of Tender	: 11-03-2015 at 3.30 p.m.
RFP/Tender Document Fee (non-refundable)	: Rs.2000.00+VAT Extra

SCHEDULE `B`

NAME OF WORK: Different civil works at Bipin Chandra Tripathi Kumaon Engineering College, Dwarahat, Almora on annual rate contract basis.

Cost of Tender form: Rs.2000.00+VAT Extra Validity of tender : 03 Months

Earnest money: Rs. 76260.00 Date of calling tenders : 11-03-2015 up to 3.00 p.m.

Time of completion: 01 year annual contract Date of opening tenders : 11-03-2015 at 3.30 p.m.

<u>Sl. No.</u>	<u>Name of Item</u>	<u>Quantity</u>	<u>Unit per</u>	<u>Rate in fig.</u>	<u>Rate in words</u>	<u>Amount</u>
1	2	3	4	5	6	7
1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual mean over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. Excavation in all kinds of soil	150.00	Cum			
2	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual mea 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 gettin out the excavated soil and disposal of surplus excavated soil as directed, within a lea of 50 m. All kinds of soil.	150.00	Cum			
3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration.	35.00	Sqm			
4	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).	10.00	Sqm			
5	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	10.00	Sqm			
6	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - -All work upto plinth level 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	10.00	Cum			

<u>Sl. No.</u>	<u>Name of Item</u>	<u>Quantity</u>	<u>Unit per</u>	<u>Rate in fig.</u>	<u>Rate in words</u>	<u>Amount</u>
1	2	3	4	5	6	7
9	Reinforced cement concrete work in walls (any thickness), including attached pilaste shuttering, finishing and reinforcement 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	8.00	Cum			
10	Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards 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 : 3 graded stone aggregate 20mm nominal size).	5.00	Cum			
11	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Using Thermo-Mechanically Treated Bars	1000.00	kg			
12	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	7.00	Cum			
13	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand)	10.00	Cum			
14	Filling available excavated earth (excluding rock) in trenches, plinth sides of foundations etc. in layers not exceeding 20cm in de consolidating each deposited layer by ramming and watering, up to 50 m and lift upto 1.5 m.	2.00	Cum			
15	Brick work with F.P.S. bricks of class designation 75 in superstruct level upto floor V level in all shapes and sizes in cement mortar 1:6 (1 cement : 6 coarse sand)	10.00	Cum			
16	Brick work with F.P.S. bricks of class designation 75 in superstruct level upto floor V level in all shapes and sizes in cement mortar 1:4 (1 cement : 4 coarse sand)	7.00	Cum			
17	Half brick masonry with F.P.S. bricks of class designation 75 in sup plinth level upto floor V level in cement mortar 1:4 (1 cement :4 coarse sand)	5.00	Sqm			
18	Half brick masonry with F.P.S. bricks of class designation 75 in sup plinth level upto floor V level in cement mortar 1:3 (1 cement :3 coarse sand)	5.00	Sqm			
19	Half brick masonry with F.P.S. bricks of class designation 75 in foundation and plinth in cement mortar 1:3 (1 cement :3 coarse sand)	5.00	Sqm			
20	Half brick masonry with F.P.S. bricks of class designation 75 in foundation and plinth in cement mortar 1:4 (1 cement :4 coarse sand)	5.00	Sqm			
21	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	350.00	kg			

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1	2	3	4	5	6	7
(ii)	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	20.00	Sqm			
(iii)	25mm thick (for cupboard) including ISI marked nickel plated bright finished M.S.piano hinges with necessary screws.	5.00	Sqm			
23	Providing and fixing M.S. grills of required pattern in frames					
(i)	MS grills fixed to steel windows by welding.	13000.00	kg			
(ii)	MS grills fixed to openings /wooden frames with rawl plugs screws etc.	50.00	kg			
24	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rail of T-iron 40x40x6mm with 40mm dia, steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	2.00	Sqm			
25	Providing and fixing 1mm thick M.S. sheet sliding-shutters with frame and dia plates at the junction and corners 25mm dia pulley, 40x40x6mm angle and T-iron g	2.00	Sqm			
26	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle ir and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer Using M.S. angels 40x40x6 mm for diagonal braces.	2.00	Sqm			
27	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guide and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters. 80x0.90 mm M.S. laths with 0.90 mm thick top cover.	5.00	Sqm			
28	Providing and fixing ball bearing for rolling shutters.	10.00	Each			
29	Stone work (machine cut edges) for wall lining upto 10 m height etc. (Veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with Cement mortar 1:2 (1 cement : 2 stone dust) including rubbing and polishing complete. (To be secured to the backing by means of cramps which shall be paid for separately) Kota stone slabs exposed face dressed and rubbed. 25 mm thick	2.00	Sqm			

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1	2	3	4	5	6	7
32	Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand : 4 grad finished with a floating coat of neat cement including cement slurry the cost of nosing of steps etc. complete. 40mm thick with 20mm nominal size stone aggregate.	200.00	Sqm			
33	Providing and laying Ceramic glazed floor tiles 300x300 mm (thick to be specified by the manufacturer) of 1st quality conforming 15622 of approved make in colours such as White, Ivory, Grey, Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Ce Coarse sand) including pointing the joints with white cement matching pigment etc., complete.	30.00	Sqm			
34	Renewing glass panes, with putty and nails wherever necessary Float glass panes of thickness 4 mm	500.00	Sqm			
35	White washing with lime to give an even shade : Old work (two or more coats)	5000.00	Sqm			
36	Removing white or colour wash by scrapping and sand paper preparing the surface smooth including necessary repairs to sc etc. complete	5000.00	Sqm			
37	Distempering with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an shade.	3000.00	Sqm			
38	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	5000.00	Sqm			
39	French spirit polishing : One or more coats on old work.	100.00	Sqm			
40	Polishing on wood work with readymade wax polish of approved b and manufacture : Old work	100.00	Sqm			
41	Distempering with oil bound washable distemper of approved bran manufacture to give an even shade : Old work (one or more coats)	1500.00	Sqm			
42	Finishing walls with water proofing cement paint of required shade New work (Two or more coats applied @ 3.84 kg/10 sqm).	2000.00	Sqm			
43	Painting with oil type wood preservative of approved brand a manufacture : Old work (one or more coats)	1500.00	Sqm			
44	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or mo	1500.00	Sqm			
45	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement: 6 coarse sand aggregate 20mm nominal size) at plinth level with cement mortar 1:6 (1 cement : 6 coarse sand)	25.00	Cum			

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1	2	3	4	5	6	7
48	Finishing walls with Premium Acrylic Smooth Exterior paint with Silicone additives of required shade Silicone additives of required shade	1200.00	Sqm			
49	Welding by gas or electric plant including transportation of plant at site etc. complete	5000.00	Cm			
50	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer in charge. 1:4:8 or leaner mix	20.00	Cum			
51	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 meters lead as per direction of Engineer - in- charge.	20.00	Cum			
52	Demolishing R.B. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 meters lea	2.00	Cum			
53	Demolishing brick work, manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 meters lead as per direction of Engineer-in-charge. In cement mortar	20.00	Cum			
54	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking 150 mm diameter	20.00	Rm			
55	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded 150 mm diameter S.W. pipe	25.00	Rm			
56	Providing corrugated G.S. sheet roofing including vertical/curved surface fixed 0.80mm thick with zinc coating not less than 275gm/m	25.00	Sqm			
57	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1:2 (1 Cement : 1 coarse sand : 2 graded stone aggregate 20 mm nominal size)	5.00	Cum			
58	Providing and fixing white vitreous china water closet squatting pan (Indian type)					
(i)	Long pattern W.C. pan of size 580 mm	2.00	Each			
(ii)	Orissa pattern W.C. pan of size 580x440 mm	10.00	Each			

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1	2	3	4	5	6	7
61	Providing and laying in situ seven course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 2.0mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 100 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished	50.00	Sqm			
62	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 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115mm 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 2.75kg/ sqm of	50.00	Sqm			

	<p>cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. d) Finishing the surface admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fiber cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300mm square 3mm 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 : With average thickness of 120mm and minimum thickness at khurra as 65 mm</p>				
63	<p>Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness and of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.</p>	500.00	Sqm		
	Total Amount				

I/WE HEREBY TENDER PERCENT BELOW/ABOVE ON THE GIVEN ESTIMATED RATES.

CONTRACTOR

Address

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Registrar
 Bipin Tripathi Kumaon Institute of Technology
 Dwarahat-Almora

नियम व शर्तें

1. निविदा प्रपत्र क साथ रू0 100/- का नॉन ज्यूडिषयल स्टाम्प पेपर पर रू0 1/- का रसीदी टिकट चस्पा कर हस्ताक्षर करते हुये संलग्न करना अनिवार्य है ।
2. ठेकेदार लोक निर्माण विभाग या उसके समकक्ष भवन निर्माण में न्यूनतम वर्ग C में पंजीकृत होना आवष्यक है ।
3. निविदा प्रपत्र के साथ पेन नं0, पंजीयन प्रमाण पत्र, अनुभव प्रमाण पत्र की स्वहस्ताक्षरित छायाप्रति संलग्न करनी अनिवार्य है ।
4. धरोहर धनराषि राष्टीय बचत पत्र/डाकधर बचत बैंक पास बुक/राष्ठीकृत बैंक की एफ0डी0आर0 के रूप में स्वीकार्य होगी जो निदेशक, बीटीकेआईटी, द्वाराहाट के पदनाम से बंधक करते हुये निविदा प्रपत्र के साथ संलग्न करनी अनिवार्य है ।
5. कार्य लोक निर्माण विभाग की विषिष्टियों के अनुरूप ही कराया जायेगा ।
6. सषर्त निविदा किसी भी दषा में स्वीकार्य नहीं होगी ।
7. निविदाओं को स्वीकृत/अस्वीकृत करने का पूर्ण अधिकार संस्थान निदेशक का होगा ।
8. निविदा की दरें एक वर्ष तक ही मान्य होंगी ।
9. कार्य के संतोषजनक होने पर ही भुगतान किया जायेगा ।
10. निविदा से संबंधित शर्तें कार्यालय दिवसों में आकर संस्थान में देखी जा सकती हैं ।
11. निविदा टू-बिड सिस्टम के तहत बंद लिफाफे में स्वीकार होंगी । पहले लिफाफे में तकनीकी बिड तथा दूसरे लिफाफे में फाइनेन्सियल बिड डाली जायेगी । लिफाफे के उपर ठेकेदार का नाम पता व मोबाइल नं0 लिखा होना आवष्यक है । लिफाफे के उपर मध्य में “सिविल कार्यों हेतु दरें” लिखा होना चाहिये ।
12. निविदा प्रपत्र पर ठेकेदार के हस्ताक्षर होने अनिवार्य हैं ।
13. संस्थान मे कार्य की आवष्यकता को दृष्टिगत रखते हुये निविदा में उल्लिखित सामग्रियों की मात्रा को धटाया/बढ़ाया जा सकता है ।

प्रभारी अधिकारी,
सिविल रख-रखाव