

**NAME OF WORK :- PROVIDING REPAIRS & RENOVATION TO CLASS ROOMS & LABORATORIES AT COLLEGE OF AGRICULTURE NAGPUR  
UNDER Dr. P.D.K.V. AKOLA.**

**SCHEDULE 'B' & 'C'**

SR.NO	QUANTITY	DESCRIPTION OF ITEM	RATE		UNIT	AMOUNT	STANDARD SPECIFICATION
			IN FIGURE	IN WORDS			
1	44.19	Removing <b>lime or lean cement concrete</b> including stacking the spoils as directed with all leads, lifts etc.complete.	296.10	Rs. Two Hundred Ninety Six & Paise Ten only	Cu.M.	13085.00	Spec. No. : as directed by engineer in charge.
2	114.52	Removing <b>wooden or A.C. partition including frame work</b> and stacking the material as directed with all leads, lifts etc. complete.	10.50	Rs. Ten & Paise Fifty only	Sq.M.	1203.00	Spec. No. : as directed by engineer in charge.
3	4.00	Removing <b>ventilators and small windows with frame</b> and stacking the materials with all leads, lifts etc. complete.	67.20	Rs. Sixty Seven & Paise Twenty only	Nos.	269.00	Spec. No. : as directed by engineer in charge.
4	2.00	Removing <b>doors and windows with frames</b> and stacking the materials as directed with all leads, lifts etc. complete.	67.20	Rs. Sixty Seven & Paise Twenty only	Nos.	135.00	Spec. No. : as directed by engineer in charge.
5	4.00	Removing <b>Urinal Pans or W.H.B. with frame</b> including disconnecting the sanitary and water supply connections, removing the same carefully and stacking the serviceable materials as and where directed including throwing the unserviceable materials outside.	46.20	Rs. Forty Six & Paise Twenty only	Nos.	185.00	Spec. No. : as directed by engineer in charge.
6	1.00	Removing <b>W.C. Pan</b> including disconnecting the sanitary and water supply connections, removing and breaking flooring and bed concrete around pan centre to centre including removing the same carefully and stacking serviceable materials as and where directed including throwing the unserviceable material out side etc complete	101.85	Rs. One Hundred One & Paise Eighty Five only	Nos.	102.00	Spec. No. : as directed by engineer in charge.
7	88.38	Excavation for Foundation in <b>earth, soil of all types</b> , sand gravel and soft murrum, including removing the excavated material upto a distance of 50 m. beyond the building area and stacking or spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering, including shoring and strutting as necessary complete. ( Upto 1.50 m. )	113.40	Rs. One Hundred Thirteen & Paise Forty only	Cu.M.	10023.00	Spec. No. : Bd.A. 1/Page No. 259
8	44.19	Providing <b>soling using 80 mm.</b> size granite / quartzite / gneiss / trap metal in 15 cm layer including hand packing filling voids with sand / grit, ramming, watering complete.	781.45	Rs. Seven Hundred Eighty One & Paise Forty Five only	Cu.M.	34533.00	Spec. No. : as directed by engineer in charge.
9	29.46	Providing and laying in situ, <b>cement concrete in 1:4:8</b> of trap/granite/quartzite/gneiss metal <b>for foundation and bedding</b> including bailing out water, plywood/steel formwork, compacting, finishing uneven and honeycombed surface curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. <b>Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.)</b>	3271.50	Rs. Three Thousand Two Hundred Seventy One & Paise Fifty only	Cu.M.	96379.00	Spec. No. : Bd.E. 1/Page No. 456 287/I.S. (2000)
10	38.13	Providing and laying in situ, <b>cement concrete M-15</b> of trap/granite/quartzite/gneiss metal <b>for foundation and bedding</b> including bailing out water, plywood/steel formwork, compacting, finishing uneven and honeycombed surface, curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. <b>Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) ( for Flooring )</b>	4276.95	Rs. Four Thousand Two Hundred Seventy Six & Paise Ninety Five only	Cu.M.	163081.00	Spec. No. : Bd.E. 1/Page No. 456 287/I.S. (2000)
11	6.34	Providing and casting in situ cement concrete of <b>M:20</b> trap /granite/quartzite/gneiss metal for <b>RCC beams &amp; lintels</b> as per detailed designs & drawings or as directed including steel centering, plywood/steel formwork, steel props, compaction, finishing uneven and honeycombed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. Including use of plastisizer wherever necessary as directed by Engineer-in-Charge (cost of plastisizer is included in item) (Excluding reinforcement including cover blocks). The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. <b>Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed).</b>	6335.55	Rs. Six Thousand Three Hundred Thirty Five & Paise Fifty Five only	Cu.M.	40168.00	Spec. No. : Bd.F. 6/Page No. 300 / I.S. 456 (2000)
12	4.45	Providing and fixing in position <b>TMT bar reinforcement</b> of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams and columns, canopies staircases, newels, chajjas, lintels, pardis, copings, fins, arches etc. as per detailed design and drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.	57414.00	Rs. Fifty Seven Thousand Four Hundred Forteen & Paise Nil only	M.T.	255493.00	Spec. No. : Bd.F. 17/Page No. 306 / I.S. 456 (2000)
13	10.8	Providing and Laying <b>vetrified tiles</b> of approved make and quality of required size and thickness <b>for flooring</b> in required position laid on bed of C.M.1:4 including cement float, filling joint with white / colour cement slurry, cleaning, curing, complete. (600MMX600MM)	1263.90	Rs. One Thousand Two Hundred Sixty Three & Paise Ninety only	SQ.M	13651.00	Spec. No. : Bd.M.3/Page No. 380

14	35.39	Providing and fixing <b>vetrified tiles</b> of approved make and quality of required size <b>for dado and skirting</b> in required position with ready made adhesive mortar of approved quality in required position after making the wall portion in level in plaster of C.M. 1:4 including joint filling with white/colour cement slurry cleaning curing complete. (600MMX600MM)	1309.05	Rs. One Thousand Three Hundred Nine & Paise Five only	SQ.M	46328.00	Spec. No. : Bd.M.5/Page No. 381
15	457.15	Providing and laying <b>hand cut polished kota stone Flooring</b> 20 mm to 25 mm thick <b>plain pattern</b> on a bed of C.M. 1:6 including cement float, filling joints with neat cement slurry, curing rubbing, polishing and cleaning complete ( <b>with mirror polished</b> )	892.05	Rs. Eight Hundred Ninety Two & Paise Five only	SQ.M	407801.00	Spec.No.: Bd.M.3/Page No.380
16	2.25	Providing and fixing in position <b>Partition of Marble stone</b> of required thickness ,including making groove in wall / concrete surface filling joints with slurry, curing, polishing, rounding edges, as required cleaning etc. complete.	2157.75	Rs. Two Thousand One Hundred Fifty Seven & Paise Seventy Five only	SQ.M	4855.00	Spec. No. : as directed by engineer in charge.
17	9.24	a) Providing <b>sills / jambs / revels of white makrana marble slabs or equivalent</b> 15 to 18 mm thick of approved quality vein and colour with machine polished surface on a bed of Cement Mortar 1:4 including neat cement float filling joints with neat cement slurry to match the colour of the slabs curing, polishing and rounding edges, cleaning etc. complete.	1954.85	Rs. One Thousand Nine Hundred Fifty Four & Paise Eighty Five only	SQ.M	18063.00	Spec.No.: Bd.M.31/Page No.392
18	39.6	Providing moulding to <b>granite / Marble / Kota stone</b> including polishing, rounding edges, as required cleaning etc. complete.	94.50	Rs. Ninety Four & Paise Fifty only	Rmt.	3743.00	Spec. No. : as directed by engineer in charge.
19	32.4	Supplying and fixing in position <b>aluminium extruded section Two track sliding windows upto 1.2 metre height</b> , outer frame made from section of over all size 62 mm x 45 mm, bottom section with or without drain section, track weighing 0.90 kg per metre and top and side section weighing 0.838 kg per running metre with shutter or sections made of 19 mm x 40 mm size having average weight of 0.6 kg per running metre(or as required size) with change in proportionate weight,with 5.00 mm selected quality plain sheet glass fixed with new neoprene gasket shutters to be provided with nylon encased stainless rollers, necessary locks and handles complete. (As per Architect's drawing no.Job No. T- MISC/5000 Drg.No.22 dated 3.2.1992)	3895.50	Rs. Three Thousand Eight Hundred Ninety Five & Paise Fifty only	SQ.M	126215.00	Spec. No. : as directed by engineer in charge.
20	2.16	Providing and fixing in position <b>Alluminium louvered windows / ventilators</b> of various sizes with powder coating as per detailed drawings & specifications including alluminium frames 80 x 38 mm box type, 5 mm thick sheet glass, louvers, clips / rubber chain P.V.C gaskets of approved quality, etc. complete	3900.75	Rs. Three Thousand Nine Hundred & Paise Seventy Five only	SQ.M	8426.00	Spec. No. : as directed by engineer in charge.
21	5.04	a) Providing and fixing in position <b>powder coated aluminium single leaf paneled door</b> with fan light mounted on floor spring, outer frame of size 100 mm. X 45 mm. of average thickness 2mm. and weight 1.608 Kg. Per Rmt. mechanically assembled at corner with shtter styles of size 50 mm. x 45 mm. x 2.82 mm. @ 1.351 Kg/Rmt. top rail 50mm.x 45 mm. x 2.82 mm. @ 1.351 Kg./Rmt. lock rail and bottom rail 150 mm. x 45 mm. x 2.2 mm. @ 2.376 Kg/Rmt. glazing clips 19 mm. x 17.8 mm x 0.9 mm. @ 0.124 Kg./Rmt. with 5 mm. float glass, all fixtures and fastening, handles, tower bolt, lock, door stopper, rubber gasket etc. complete.	3780.00	Rs. Three Thousand Seven Hundred Eighty & Paise Nil only	SQ.M	19052.00	Spec. No. : as directed by engineer in charge.
22	35.2	a) Providing and fixing in position <b>anodised extruded alluminium partition</b> having frame made out of aluminium extruded tubular section of size 65 mm x 40 mm with 12 mm thick three layered flat pressed teak wood particle board bonded with BWP type exterior grade phenol formaldehyde synthetic resin conforming to I.S.12823-1990, laminated on both sides, Novateak or equivalent, Laminated 5 mm thick selected quality of glass pannels fixed with aluminium glazing clips 12mm x 12mm (conical) rubber cushioning to glass as per detailed drawings etc. complete.( <b>Sample to be got approved from Ex.Engineer before use</b> )	2488.50	Rs. Two Thousand Four Hundred Eighty Eight & Paise Fifty only	SQ.M	87596.00	Spec. No. : as directed by engineer in charge.
23	23.48	Providing <b>second class Burnt Brick masonry</b> with conventional/ I.S. type bricks in <b>cement mortar 1:6 in super structure</b> including striking joints, racking out joints wateringand scaffolding complete.	3627.45	Rs. Three Thousand Six Hundred Twenty Seven & Paise Forty Five only	SQ.M	85173.00	Spec. No. : as directed by engineer in charge.
24	102.05	Providing internal <b>cement plaster 12 mm. thick</b> in single coat in C.M. 1:5 in <b>without neeru finish</b> to concrete, brick surfaces in all positions including scaffolding and curing. Providing groove at joint of B B masonry and concrete members complete.	122.60	Rs. One Hundred Twenty Two & Paise Sixty only	SQ.M	12512.00	Spec. No. : 3 Bd.L. 2/Page No. 368
25	102.05	Providing internal <b>cement plaster 20 mm. thick</b> in single coat in C.M. 1:5 in <b>without neeru finish</b> to concrete, brick surfaces in all positions including scaffolding and curing. Providing groove at joint of B B masonry and concrete members complete.	201.20	Rs. Two Hundred One & Paise Twenty only	SQ.M	20533.00	Spec. No. : 7 Bd.L. 4/Page No. 368
26	2.1	Providing & fixing factory made <b>Solid core flush doors</b> in <b>Single leaf</b> 35 mm thick, decorative types of exterior grade, as per detailed drawing, confirming to IS 2202 - 1962 revised, approved face veneers on both the face with / without glazing and Venetians in the positions shown on the drawings or as directed, all necessary beads, moulding and lipping, wrought iron holdfasts, chromium plated fixtures and fastenings with brass mortise lock, chromium plated handles on both sides, stoppers, and finishing with T W beading with Oil Paint in min. 2coats with 2 coats of base putty/ French polish / waxing complete.(with 18x25mm ready made T.W beading as per drawing.)	2450.85	Rs. Two Thousand Four Hundred Fifty & Paise Eighty Five only	SQ.M	5147.00	Spec.No.: Bd.T.55/Page No.510.

27	1.58	Providing and fixing <b>FRP ( Fiber reinforced plastic) Door with shutter</b> 25 to 30 mm. Thick having properties such as water proof resistant to termite resistant to mild acids and chemical. The thickness of FRP shold of 1.5 mm.With extra reinforcement to sides, edges, recess for alluminium fixtures and fastenings and commercial types as per the approved design, including alluminium , fixtures and fastenings and two coats of synthetic acrylic emulsion paint etc. complete (Excluding door frame)	2824.50	Rs. Two Thousand Eight Hundred Twenty Four & Paise Fifty only	SQ.M	4463.00	Spec. No. : 7 Bd.L. 4/Page No. 368
28	10.000	Providing and fixing on <b>walls/ ceiling/ floors/concealed, medium grade G.I. Pipe (type)</b> having embossed ISI mark on it, of required diameter with screwed sockets, joints, necessary galvanised iron fittings such as sockets, back nuts, elbows, bends, tees, reducers, enlargers, plugs, clamps etc. including necessary drilling holes in walls, slabs etc. and remarking good the demolished portion to restore the same in original condition neatly and providing and applying anti-corrosive primer oil paint and two coats of oil painting, testing etc. complete (prior approval of sample by Ex. Engineer is necessary before use).	214.20	Rs. Two Hundred Forteen & Paise Twenty only	Rmt.	2142.00	Spec. no. : Bd V 5. Page No.551
	10.000	<b>15 mm diameter</b>	298.20	Rs. Two Hundred Ninety Eight & Paise Twenty only	Rmt.	2982.00	
		<b>25 mm diameter</b>					
29	1.000	Providing and fixing <b>1st class white glazed earthenware "Orissa type" W.C.Pan 600 x 400 mm size</b> including 'P'or 'S'trap UPVC soil and vent pipe upto the outside face of the wall, 1:5:10 cement concrete bedding, <b>10 litre fibre high level flushing cistern with fittings</b> , inlet pipe with stop tap, bracket for fixing the cistern, 32 mm dia. UPVC flush pipe with fitting and clamps, 20 mm dia. UPVC over flow pipe with mosquito proof coupling, chain and pulley, painting of the exposed pipe and cutting and making good walls and floor, testing etc. complete.( <b>Prior approval of sample and brand by Ex.Engineer is necessary before use.</b> )	3365.25	Rs. Three Thousand Three Hundred Sixty Five & Paise Twenty Five only	Nos.	3366.00	Spec. No. : As directed by Engineer-in-charge
30	2.000	Providing and fixing <b>white glazed earthenware semi stall type urinals</b> without cistern, with inlet pipes stop tap, UPVC flush pipe with fittings and flushing arrangement including UPVC soil pipe, UPVC trap and soil pipe connection upto outside face of wall, making good the damaged surface, testing etc. complete. ( <b>Prior approval of sample and brand by Ex.Engineer is necessary before use.</b> )	2340.45	Rs. Two Thousand Three Hundred Forty & Paise Forty Five only	Nos.	4681.00	Spec. No. : As directed by Engineer-in-charge
31	1.000	Providing and fixing <b>Screw down wheeled 15 mm dia stop tap of brass</b> including necessary sockets/ union nut testing complete.	217.35	Rs. Two Hundred Seventeen & Paise Thirty Five only	Nos.	218.00	Spec. no. : Bd V 8. Page No.554
32	2.000	Providing and fixing <b>push cock (Self closing tap) symet type</b> of specified diameter including necessary socket, testing etc. complete. ( <b>Prior approval of sample and brand by Ex.Engineer is necessary before use.</b> )	166.95	Rs. One Hundred Sixty Six & Paise Ninety Five only	Nos.	334.00	Spec. No. : As directed by Engineer-in-charge
33	2.000	Providing and fixing white glazed earthenware <b>wash Hand Basin of 550 mm x 400 mm size</b> including cold water pillar tap, cold and hot water pillar taps brackets, rubber plugs, brass chain, chromium plated bottle trap, stop tap and necessary pipe connection including UPVC waste pipe and trap upto the outside face of the wall, making good the damaged surface, testing, etc. complete. (Plumbing shall be Concealed/ Open fixing type as directed by Engineer-in-charge).	2184.00	Rs. Two Thousand One Hundred Eighty Four & Paise Nil only	Nos.	4368.00	Spec. No. : As directed by Engineer-in-charge
<b>Total Cost Rs.</b>						<b>1496305.00</b>	
<b>(Rs. FOURTEEN LACS NINETY SIX THOUSAND THREE HUNDRED FIVE ONLY)</b>							