

Tender Inviting Authority:				No. 13	
Name of Work: Providing Sheet roofing,Side enclosing work and Ceiling in the second floor of newly constructed Academic Research Building at MC Vellanikkara.					
Contract No: Civil Works/					
Bidder Name:			Excess (+)		%

SCHEDULE OF WORKS

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
1.00	15.3 : Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material with in 50 metres lead as per direction of Engineer -in-Charge.	4.00	cum	1996.37	Rupees One Thousand Nine Hundred Ninety Six And Paise Thirty Seven Only	7985.48
2.00	15.2.1 : Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge.Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	3.00	cum	1368.45	Rupees One Thousand Three Hundred Sixty Eight And Paise Forty Five Only	4105.35
3.00	15.7.4 : Demolishing brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge.In cement mortar	.50	cum	1156.61	Rupees One Thousand One Hundred Fifty Six And Paise Sixty One Only	578.31
4.00	od528/2017_2018 : "Steel Work in R. S.Joists (in single section)cutting, hoisting and fixing in position including applying a coat of iron primer etc,complete"	1091.00	kilogram	90.52	Rupees Ninety And Paise Fifty Two Only	98757.32
5.00	od529/2017_2018 : Welding the ends of joists with MS rods after clearing the ends including cost of electrode, current charges required for the working of the welding plant, hire for tools etc complete	26.00	each	485.49	Rupees Four Hundred Eighty Five And Paise Forty Nine Only	12622.74
6.00	4.3.3 : Centering and shuttering including strutting, propping etc. and removal of form work for:Columns, piers, abutments, pillars, posts and struts	21.00	sqm	642.12	Rupees Six Hundred Forty Two And Paise Twelve Only	13484.52

7.00	4.2.3 : Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc. up to floor five level, excluding the cost of centering, shuttering and finishing:1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	3.00	cum	8986.72	Rupees Eight Thousand Nine Hundred Eighty Six And Paise Seventy Two Only	26960.16
8.00	10.1 : Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	7536.00	kilogram	80.22	Rupees Eighty And Paise Twenty Two Only	604537.92
9.00	10.2 : 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.	6835.00	kg	92.85	Rupees Ninety Two And Paise Eighty Five Only	634629.75
10.00	od530/2017_2018 : Roofing with pre-painted Aluminium-Zinc (galvalum) trapezoidal sheet of 0.50 mm or nearest available thickness with overlaps of 150mm at ends and self drilling steel screws/crank bolts as per direction of departmental officers including plain washers and bitumen washers etc. complete.	1350.00	sqm	733.52	Rupees Seven Hundred Thirty Three And Paise Fifty Two Only	990252.00
11.00	od534/2017_2018 : Ridge or valleying with pre-painted alu-zinc (galvalum) 150 GSM plane sheet 450 mm wide over lap of 150mm at joints including nail etc, complete	100.00	metre	470.15	Rupees Four Hundred Seventy And Paise Fifteen Only	47015.00
12.00	od535/2017_2018 : Supplying and fixing PVC box gutters etc. complete	140.00	metre	444.38	Rupees Four Hundred Forty Four And Paise Thirty Eight	62213.20
13.00	13.61.1 : Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	640.00	sqm	107.60	Rupees One Hundred Seven And Paise Sixty Only	68864.00

14.00	50.6.1.5 : Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x20cm or nearest available size confirming to IS 2185 Part I of 1979 for super structure up to floor two level thickness 20cm and above in: CM 1:6 (1 cement : 6 coarse sand) etc complete	11.00	cum	5681.51	Rupees Five Thousand Six Hundred Eighty One And Paise Fifty One Only	62496.61
15.00	13.1.1 : 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)	138.00	sqm	237.37	Rupees Two Hundred Thirty Seven And Paise Thirty Seven	32757.06
16.00	od559/2017_2018 : White cement priming coat over newly plastered surface and cleaning the surface	138.00	sqm	15.92	Rupees Fifteen And Paise Ninety Two Only	2196.96
17.00	13.60.1 : Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:Two or more coats on new work	138.00	sqm	115.91	Rupees One Hundred Fifteen And Paise Ninety One Only	15995.58
18.00	21.1.1.3 : Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS : 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing, paneling and dash fasteners to be paid for separately):For fixed portionPolyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	1960.00	kg	537.75	Rupees Five Hundred Thirty Seven And Paise Seventy Five Only	1053990.00
19.00	od537/2017_2018 : Providing and fixing 8mm fiber cement plane boards (uncoloured shera or equivalent), in aluminum partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer - in- Charge,including 1 coat primer ,2 coat putty, and 2 coat emulsion to the shera board etc complete.	170.00	sqm	1198.22	Rupees One Thousand One Hundred Ninety Eight And Paise Twenty Two Only	203697.40

20.00	21.3.2 : Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in-Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5.50 mm thickness	164.00	sqm	1377.92	Rupees One Thousand Three Hundred Seventy Seven And Paise Ninety Two Only	225978.88
21.00	50.9.15.1 : Supplying and fixing 200 mm Aluminium aldrop	2.00	no	171.21	Rupees One Hundred Seventy One And Paise Twenty One	342.42
22.00	9.100.1 : Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:125 mm	8.00	no	70.13	Rupees Seventy And Paise Thirteen Only	561.04
23.00	14.41 : Providing and fixing 85x42 mm chromium plated brass pull bolt lock with necessary chromium plated brass screws, nuts bolts and washers etc. complete.	2.00	no	282.67	Rupees Two Hundred Eighty Two And Paise Sixty Seven Only	565.34
24.00	od541/2017_2018 : Providing and fixing departmental 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.- Exposed on wall50 mm nominal outer dia pipes	83.00	metre	197.50	Rupees One Hundred Ninety Seven And Paise Fifty Only	16392.50
25.00	od542/2017_2018 : Providing and fixing departmental 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. - Exposed on wall40 mm nominal outer dia pipes	54.00	metre	197.50	Rupees One Hundred Ninety Seven And Paise Fifty Only	10665.00

26.00	od543/2017_2018 : Providing and fixing departmental Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes& fittings, with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc.25 mm nominal outer dia pipes	12.00	metre	240.26	Rupees Two Hundred Forty And Paise Twenty Six Only	2883.12
27.00	18.7.6 : 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. Internal work - Exposed on wall50 mm nominal outer dia pipes	28.00	metre	752.88	Rupees Seven Hundred Fifty Two And Paise Eighty Eight Only	21080.64
28.00	18.7.5 : 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. Internal work - Exposed on wall40 mm nominal outer dia pipes	20.00	metre	529.10	Rupees Five Hundred Twenty Nine And Paise Ten Only	10582.00

29.00	18.8.3 : Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes& fittings, with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc.25 mm nominal outer dia pipes	10.00	metre	457.87	Rupees Four Hundred Fifty Seven And Paise Eighty Seven Only	4578.70
30.00	18.17.1 : Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	2.00	each	587.70	Rupees Five Hundred Eighty Seven And Paise Seventy Only	1175.40
31.00	18.17.3 : Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :40 mm nominal bore	2.00	each	802.50	Rupees Eight Hundred Two And Paise Fifty Only	1605.00
32.00	18.17.4 : Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	2.00	each	1029.24	Rupees One Thousand Twenty Nine And Paise Twenty Four Only	2058.48
33.00	od547/2017_2018 : Fitter engaged for repairing works etc. complete.	7.00	each	776.35	Rupees Seven Hundred Seventy Six And Paise Thirty	5434.45
34.00	od548/2017_2018 : Coolie engaged for repairing and replacing works etc. complete	9.00	each	586.68	Rupees Five Hundred Eighty Six And Paise Sixty Eight Only	5280.12
35.00	od536/2017_2018 : Supplying and fixing self driven stainless steel turbo air ventilator of size 0.60m x 0.60m over sheet roofing as per the direction of site in charge etc.complete	7.00	no	9973.51	Rupees Nine Thousand Nine Hundred Seventy Three And Paise Fifty One Only	69814.57
Total Estimated Cost in Figures						4322137.02
Quoted Amount					4322137.02	4322137.00
Quoted Rate in Words		Rupees Forty Three Lakh(s) Twenty Two Thousand One Hundred Thirty Seven Only				

DIRECTOR OF PHYSICAL PLANT(i/c)