



# INDIAN INSTITUTE OF MANAGEMENT KOZHIKODE

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## TENDER FOR CREATING ADDITIONAL RECREATIONAL FACILITIES FOR SWC AT THE BASEMENT FLOOR OF FACULTY APARTMENT II BUILDING IN IIMK CAMPUS PART II (PRICE BID)

Issued to: -----  
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Tender No.	: IIMK/CIVIL/15/2019-20
Date of Issue of NIT	: 28.10.2019
Date of Issue of Tender Form	: 28.10.2019 to 22.11.2019
Due Date of Submission	: 25.11.2019 up to 3:00 p.m.
Date of Opening of Technical bid	: 25.11.2019 at 4:00 p.m.
Date of opening of financial bid	: Will be announced later
Cost of Tender Form (Original)	: Rs.560/- (Including 12% GST)

(Tender Document can be downloaded directly from the website of the Institute, in which case the cost towards the Document need not be submitted)

Probable Amount of Contract	: Rs. 24, 75,000/-
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# **SCHEDULE OF QUANTITIES**

**Name of work: - Creating Additional Recreational Facilities for SWC at the Basement Floor of Faculty Apartment II Building in IIMK Campus**

**SCHEDULE OF QUANTITIES**

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
1	Earth work excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.50 m in width or 10 sqm. on plan) including dressing of sides and ramming of bottoms, lift up to 1.50 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, with a lead up to 50m.for all kinds of soil (including all kinds of soil, hard rock blasting prohibited, etc.)	25.00	M <sup>3</sup>		
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	5.00	M <sup>3</sup>		
3	Supplying and filling in plinth with M sand suitable for filling under floors, including watering, ramming, consolidating in layers not more than 20 cm and dressing complete.	8.00	M <sup>3</sup>		
4	Providing and laying in position cement concrete 1:4:8 ( 1 Cement : 4 Coarse sand : 8 graded stone aggregate of required nominal size)				
(a)	With graded stone aggregate 40 mm nominal size	10.00	M <sup>3</sup>		

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
(b)	With graded stone aggregate 20 mm nominal size.	65.00	M <sup>3</sup>		
5	Providing and laying reinforced cement concrete 1:2:4 (1 Cement: 2 Coarse sand: 4 graded stone aggregate 20 mm nominal size) excluding the cost of centering, shuttering, finishing and reinforcement.	2.00	M <sup>3</sup>		
6	Providing and laying reinforced cement concrete 1:1.5:3 (1 Cement: 1.5 Coarse sand: 3 graded stone aggregate 20 mm nominal size) excluding the cost of centering, shuttering, finishing and reinforcement.	4.00	M <sup>3</sup>		
7	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in :Cement mortar 1:4 (1cement : 4 coarse sand)	35.00	M <sup>3</sup>		
8	Steel reinforcement for R.C.C. work using Thermo-Mechanically Treated bars including straightening, cutting, bending, placing in position and binding all complete in all floor.	250.00	kg		
9	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers.	15.00	M <sup>2</sup>		

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
10	Providing, diluting and injecting chemical emulsion for Pre-constructional Anti-termite treatment & creating a chemical barrier under & around the column pits, wall trenches basement excavation, top surface of plinth filling, junction of wall and floor. (Chlorpyriphos Emulsifiable concentrate 20% with 1% concentration)	60.00	M <sup>2</sup>		
11	Plastering with cement mortar 1:4 (1 cement mortar: 4 fine sand), 12 mm thick.	300.00	M <sup>2</sup>		
12	Plastering with cement mortar 1:3 (1 cement mortar: 3 fine sand), 6 mm thick.	60.00	M <sup>2</sup>		
13	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes of 25 mm nominal outer dia., 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.				
(a)	For Internal work - Exposed on wall	10.00	Rmt		
(b)	For Concealed work, including cutting chases and making good the walls, etc.	20.00	Rmt		

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
14	Providing and laying PVC pipes conforming to IS: 4985-1988 for sewer/sullage lines with necessary fittings and accessories, etc. complete as per the instructions of Engineer in-charge including cost and conveyance of all materials and labour charges.				
(a)	110 mm dia (6 kg/cm <sup>2</sup> ) for sewer line.	40.00	Rmt		
(b)	75 mm dia (6 kg/cm <sup>2</sup> ) for waste line.	40.00	Rmt		
(c)	63 mm dia (6 kg/cm <sup>2</sup> ) for waste line.	30.00	Rmt		
15	Providing and laying ceramic floor tiles (anti-skid) of size 300x300 mm (Thickness to be specified by the manufacturer) of 1 <sup>st</sup> quality conforming to IS 15622 of approved make in colours laid on 20 mm thick cement mortar 1:4 (1 cement 4 coarse sand ) including pointing the joints with white cement and or matching pigment etc. complete.	10.00	M <sup>2</sup>		

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
16	Providing and fixing 1 <sup>st</sup> quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer), 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 mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	20.00	M <sup>2</sup>		
17	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4(1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.(600x600 mm Size)	300.00	M <sup>2</sup>		
18	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required	2.00	Nos		

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
19	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, White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	2.00	Nos		
20	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :	3.00	Nos		
21	Providing and fixing S.S Floor trap of approved quality conforming to IS standards	3.00	Nos		
22	Providing and fixing C.P brass health faucet of approved quality conforming to IS standards	3.00	Nos		
23	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards.	2.00	Nos		
24	Providing and fixing C.P. brass angle valve of approved quality conforming to IS:8931	5.00	Nos		



Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
25	Providing and fixing PTMT Bottle Trap for Wash basin and sink. 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms.	2.00	Nos		
26	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 25 mm nominal bore.	4.00	Nos		
27	Applying one coat of cement primer of approved brand and manufacture on wall surface.	360.00	M <sup>2</sup>		
28	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work.	650.00	M <sup>2</sup>		
29	Finishing walls with textured exterior paint of required shade on New work (Two or more coats applied @ 3.28 ltr/ 10sqm.) over and including base coat of water proofing cement paint applied @2.20 kg/10 m2. Including cost and conveyance of all materials and labour charges, etc. complete.	300.00	M <sup>2</sup>		

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
30	Providing and fixing aluminium work for doors, windows, ventilators (with or without louvers) 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.				
(a)	For fixed portion with Anodized aluminium (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	50.00	kg		
(b)	For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of neoprene gasket required (Fittings shall be paid for separately)Anodized aluminium (anodized transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15)	200.00	kg		

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
(c)	For Sliding window portion with Anodized aluminium (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	100.00	kg		
31	Providing and fixing 4 mm total thick Aluminium Composite Panel (ACP) sheet with required colour conforming to ASTM standards, in paneling fixed in aluminum doors, windows shutters and partition frames with C.P. brass/stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.	10.00	M <sup>2</sup>		
32	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):				
(a)	With float glass panes of 4.0 mm thickness	5.00	M <sup>2</sup>		
(b)	With float glass panes of 5.50 mm thickness	5.00	M <sup>2</sup>		
33	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant (Exterior grade) over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Up to 5mm depth and 5 mm width	200.00	Rmt		

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
34	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays, size 255 X 19 mm, of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete.	25.00	Nos		
35	Providing and fixing Stainless steel tubular handle bar 20 mm outer dia, 1.0 mm thick & 200 mm long with SS screws etc. complete as per direction of Engineer-in-Charge.	7.00	Nos		
36	Providing and fixing Crescent latch for sliding windows etc. complete	10.00	Nos		
37	Providing and fixing aluminium door closer of approved make with necessary screws etc. complete as per the direction of Engineer in charge.	2.00	Nos		
38	Providing and fixing 100mm brass locks (4 levers of approved make) for aluminium doors including necessary cutting and making good etc. complete.	2.00	Nos		
39	Providing and fixing aluminium handles 125mm, ISI marked anodized (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 :	24.00	Nos		
40	Providing and fixing G.I hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying a priming coat of approved steel primer.	100.00	kg		

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
41	Steel work using MS square tubes, pipes and rods, including cutting, hoisting fixing in position and painting with synthetic enamel paint two or more coats over a coat of steel primer, welded and bolted including special shaped washers etc. complete.	800.00	kg		
42	Providing & laying double groove Mangalore pattern interlocking clay roofing tiles (Grade I) of approved size and pattern on steel frame work etc. complete ( steel frame work will be paid separately).	50.00	M <sup>2</sup>		
43	Providing & laying Terracotta ceiling tiles (Grade -I) of approved size and pattern on steel frame work, etc. complete (steel frame work will be paid separately).	50.00	M <sup>2</sup>		
44	Providing and fixing G I Mesh with aperture size of 50x50 mms and wire diameter of 3.50 mm including cutting, welding, etc. complete as directed by the Engineer in charge. The rate quoted shall include applying synthetic enamel paint of two or more coats over a coat of steel primer.	50.00	M <sup>2</sup>		
45	Providing Suspended Ceiling System with Gypsum tiles having acoustic properties (having 0.55 NRC) in module size of 600mm x 600mm x 12mm. The grid with 32 mm wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 32mm and a load				

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
	<p>carrying capacity of 7.57 Kgs/M2. The T Sections have a Galvanizing of 120 grams per M2 &amp; passed through 500 hrs of Salt test. INSTALLATION: To comprise main runner spaced at 1200mm centres securely fixed to the structural soffit using suspension system (specifications below) at 1200mm maximum centre. The First/Last suspension system at the end of each main runner should not be greater than 450mm from the adjacent wall. Flush fitting 1200mm long cross tees to be interlocked between main runners at 600mm centre to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. 600 x 600mm module to be formed by fitting 600mm long flush fitting cross tees centrally between the 1200 mm cross tees. Perimeter trim to be wall angles of size 3000x19x19mm, secured to walls at 450 mm maximum centres.</p> <p>SUSPENSION SYSTEM accessories consisting of M6 Anchor Fasteners with Vertical Hangers made of Galvanized steel of size 26 x 26 x 25 x 1.2mm with a Galvanized Thickness of 80gsm, A pre Straightened Hanger wire of dia – 2.68 mm of 1.83 m length., thickness of 80gsm and a tensile strength of 344-413 MPa, along with Adjustable hook clips of 0.8mm thick, galvanized spring steel for 2.68 mm with a minimum pull strength of 110 kg.</p>	40.00	M <sup>2</sup>		

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
46	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.	2.00	M <sup>3</sup>		
47	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in -charge.	1.00	M <sup>3</sup>		
48	Supplying of Un-skilled labourers for demolishing cement concrete cleaning fabricated Aluminium windows/ ventilators / doors with glass, cudappa / Kotta slabs at cills / jambs/Floors etc including tools such as brush, mops, etc. complete.	15.00	No.s		
49	Roofing with Galvalumin sheets (Trafford) of 0.45 TCT made up of TATA or approved brand and fixing with self-drilling fasteners and EPDM washers etc. complete excluding the cost of purlins , rafters and trusses.	10.00	M <sup>2</sup>		

Item No.	Description	Quantity	Unit	Rate (Rs) in words and figures	Amount (Rs.)
50	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 for complete for steel grill and door works.	350.00	kg		
<b>TOTAL</b>					
Rupees ..... .....Only					

**Signature of the Contractor:**

**Name & Address:**

**Sd/-**

**Chief Manager (Infrastructure)**