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INVITATION FOR BIDS (IFB) – AMENDMENT NO: 1

Sub: Amendment Notice 1 - Upgradation of govt. Ayurveda Dispensory, Chengamanadu, Eranakulam, Kerala state

Ref: IFB Ref No HLL/CHO-PROJ/KL-HCD/CIV&ELE/AYUSH/2018-19/01, DT. 16.08.2018

Amendment Date: 01-09-2018

With reference to the above, please find the following amendments:

1. **Section XI A:** Schedule of Work is Amended and **Section XI A - Amended** is enclosed.

All other terms and conditions of the tender remain unchanged.

SENIOR MANAGER (PROJECTS)

SECTION XIA

**Upgradation of Govt. Ayurveda Dispensory, Chengamanadu, Eranakulam,
Kerala state**

SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
Civil Work					
EARTH WORK					
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means 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 getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	8.00	CUM		
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 upto 1.5 m.	307.00	CUM		
CEMENT CONCRETE					
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	2.00	CUM		
DISMANTLING & DEMOLISHING					
4	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	1.00	EACH		

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
5	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	0.23	CUM		
MASONRY WORK					
6	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 : Cement mortar 1:4 (1 cement : 4 coarse sand)	2.00	CUM		
7	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand)	6.00	CUM		

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :0.91 m deep with SFRC cover and frame (heavy duty, HD20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :				
8	With Sewer bricks conforming to IS : 4885	1.000	EACH		
	Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m				
9	With Sewer bricks conforming IS : 4885	1.500	M		
RCC					
	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
10	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	6.00	CUM		
	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level & above plinth level.				
11	Thermo-Mechanically Treated bars	385.00	Kg		
PLASTERING					
12	12 mm cement plaster finished with a floating coat of neat cement of mix :1:3(1 cement: 3 fine sand)	320.00	SQM		
13	12 mm cement plaster : 1:6 (1 cement : 6 coarse sand)	510.00	SQM		
ALUMINUM WORK					

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
14	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 Portion , Powder coated aluminium (minimum thickness of powder coating 50 micron) including rubber beedings in doors, windows and fixed portions.	61.00	Kg		
15	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 EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Powder coated aluminium (minimum thickness of powder coating 50 micron)	43.00	Kg		
16	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling 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. Pre-laminated particle board with decorative lamination on both sides.	9.00	SQM		

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc with PVC/neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge.				
17	With float glass panes of 5.5 mm thickness	7.00	SQM		
18	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	5.00	EACH		
19	Providing and fixing PTMT Tower Bolts with 12 mm one piece rod inside and necessary screws etc., complete. 202x42x18 mm weighing not less than 78 gms	10.00	EACH		
20	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge. Polyester powder coated minimum thickness 50 micron aluminium tubular handle bar	10.00	EACH		
21	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With Brass cover Plate minimum 1.25 mm thickness	5.00	EACH		

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
22	Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete	5.00	EACH		
WOODEN PANNELS					
23	Providing and fixing paneling and glazing or paneled and glazed shutters for doors, Windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebated to be measured) paneling for paneled or paneled and glazed shutters 25mm to 40mm thick using good quality Anjil/ jack wood.(Observed data from PRICE, PWD)	6.00	SQM		
24	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass pannels including ISI marked MS pressed butt hinges bright finished of required size with necessary screws. Using Anjili Wood/ jack Wood 35mm thick shutters.(Observed data from PRICE, PWD)	16.00	SQM		
STEEL WORK					
25	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.	400.00	Kg		

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Sl No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
26	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	47.00	Kg		
	Providing corrugated Aluminum sheet (0.5mm thk)roofing including vertical / curved surfacefixed with polymer coated J or L hooks, bolts and nuts 8 mm diameterwith bitumen and G.I. limpet washers or with G.I. limpet washers filledwith white lead, including a coat of approved steel primer and two coatsof approved paint on overlapping of sheets complete (up to any pitch inhorizontal/ vertical or curved surfaces), excluding the cost of purlins, raftersand trusses and including cutting to size and shape wherever required.				
27	1.00 mm thick with zinc coating not less than 275 gm/m ²	43.00	SQM		

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
28	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes embedded inside the RC columns/masonry in position with all necessary specials like shoes , bends or any other specials required to suit site conditions etc., jointed with wavin cement and lubricants with necessary MS clamps,brackets ,bolts and nuts all complete as directed. 110mm dia-6kg/sq.cm"	14.00	RM		
29	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	5.10	SQM		
WALL TILE					
30	Providing and fixing Ist 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	SQM		
FLOOR TILE					

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
31	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), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600x600 mm	110.00	SQM		
32	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete.	5.00	SQM		
33	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade. Area of slab over 0.50 sqm	10.00	SQM		

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
34	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge : Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	7.00	SQM		
35	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Marble work.	40.00	M		
PVC DOOR					

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
36	24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).	6.00	SQM		
37	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineerin- Charge.	15.00	M		
PAINTING					

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
38	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	510.00	SQM		
39	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	320.00	SQM		
40	Finishing with Deluxe Multi surface paint system for interiors using as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	550.00	SQM		
41	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	44.00	SQM		
42	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	82.00	SQM		
PAVOUR BLOCK					
43	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	68.00	SQM		

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
WATER SUPPLY & SANITARY WORKS					
44	Providing and fixing Stainless Steel A ISi 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board 610x460 mm bowl depth 200 mm	1.00	EACH		
45	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:	3.00	EACH		
46	Providing and fixing PVC Waste pipe for sink or wash basin including PVC waste fittings complete.:Semi rigid pipe 32mm dia	4.00	EACH		
47	Providing and fixing PTMT Waste coupling for wash basin and sink of approved quality, colour and make. Waste coupling 31mm of 79mm length and 62mm breadth, weighing not less than 45 gms.	3.00	EACH		

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
48	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 100 mm outlet Sand Cast Iron S&S as per IS: 1729	3.00	EACH		
49	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 fixturescomplete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	3.00	EACH		
50	Providing and fixing gun metal gate valve with C.I. wheel of approved quality -25 mm nominal bore	3.00	M.SQ		
51	Providing and fixing C.P. brass angle valve for basin mixer and geyserpoints of approved quality conforming to IS:8931 a) 15 mm nominal bore: 15 mm nominal bore.	3.00	EACH		
52	Providing and fixing PTMT grating of approved quality and colour. Rectangular type with openable circular lid 150 mm nominal size square 100 mm diameter of the inner hinged round grating.	3.00	EACH		

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
	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 walls etc				
53	20mm nominal outer dia Pipesv	67.00	M		
54	25mm nominal outer dia Pipes	67.00	M		
55	32mm nominal outer dia Pipes	67.00	M		
56	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in charge.	3.00	EACH		
57	Providing and fixing brass bib cock of approved quality : 20 mm nominal bore each	4.00	EACH		
58	Providing and fixing soil, waste and vent pipes :100 mm dia Sand cast iron S&S pipe as per IS: 1729	48.00	M		
59	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	6.00	EACH		

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
60	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. 600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms	6.00	EACH		
61	Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour. weighing not less than 105 gms.	6.00	EACH		
Sub Total (Civil Work)					
Electrical Work					
1	Point wiring in PVC conduit with modular type switch.				
	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	Group C	30	Point		
2	Wiring through PVC conduit				
	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.(Make:Havells/Finolex/V-guard/Polycab)				
a	2X1.5 sq.mm + 1X1.5 sq.mm earth wire	600	Metre		
b	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	270	Metre		
c	2X4 sq.mm + 1X4 sq.mm earth wire	50	Metre		
3	Telephone wiring in existing conduit:				

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
	Supplying and drawing following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	2 Pair	15	Metre		
4	A/C point				
	S/F 20A SPN MCB industrial socket outlet: Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.(Make: Legrand/Havells/HPL)	1	Point		
5	Modular type blanking plate:				
	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.(Make: Legrand/Havells/HPL)	3	Each		
6	Modular boxes, bases & cover plate:				
	Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand/Havells/HPL)				
a	2 module	3	Each		
b	3 module	3	Each		
c	4 module	0	Each		
d	6 module	11	Each		
e	8 module	6	Each		
f	12 module	0	Each		
7	Modular type switch/socket:				
	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required. (Make: Legrand/Havells/HPL)				
a	5/6 Amps switch	22	Each		
b	3 pin 5/6 Amp socket outlet	22	Each		
c	15/16 Amps switch	3	Each		
d	6pin 15/16 Amps (universal) socket outlet	3	Each		
e	Telephone socket outlet	1	Each		

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
8	S/F PVC conduit:				
	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.(ISI Make)				
a	20 mm	100	Metre		
b	25 mm	15	Metre		
	Installation Testing & Commissioning				
9	ITC Fluorescent fitting directly on surface: Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/LED of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	13	Each		
10	ITC Ceiling fan: Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable etc. as required.	9	Each		
11	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.	9	Each		
12	LAYING OF CABLES				
	CABLE LAYING				
	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1kV grade of following size clamped on wall surface with 1mm thick saddles as required complete.				
a	FROM Mains TO DB				
	4 X 10 sq.mm	0	Metre		
13	END TERMINATION				
	Supply and making end termination with brass compression gland, earth clip and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable fo 1.1KV grade as required.				
	4 X 10 sq.mm	0	Each		
14	CABLE SUPPLY				

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SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
	Supplying the following PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade as per CPWD standards as required. (Make:Havells/Glostar/Nicco/Finolex/Polycab)				
	4 x 10 sq.mm	0	Metre		
15	S/F of SPN MCB PDB				
	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a	6 way Double door, horizontal type	0	Each		
b	16 way Double door ,horizontal type	1	Each		
16	S/F OF SP MCB				
	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	6/32 A SP MCB	13	Each		
17	S/F DP ISOLATOR				
	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, ISOLATOR having a sensitivity current upto 100 to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc, as required.(Make: Legrand/Havells/HPL)				
	40 A	1	Each		
18	S/F DP RCCB				
	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as				

SECTION XIA

**Upgradation of Govt. Ayurveda Dispensory, Chengamanadu, Eranakulam,
Kerala state**

SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
	required.				
	25 A	1	Each		
19	EARTHING				
a	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	1	Set		
b	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	15	Metre		
1.1	Supply of 15W LED tube fitting sleek with decorative end cap, powder coated CRCA steel channel complete with all electrical accessories like electronic ballast, lamp holder, 28W LED lamp etc complete as required. (Philips / Wipro /HAVELLS)	13	Each		
1.2	Supply and installation of 18 W CFL with its all accessories.[ISI MAKE]	7	Each		
1.3	Supply and installation of 1200 mm sweep Ceiling fan, white colour, 5 star rated as per BEE complete with blades, down rod, shackle, canopy etc(Make Havells/bajaj/usha/V-guard/crompton)	9	Each		
1.4	Supply and installation EXHAUST FAN,SHUTTER TYPE white colour, 9" OR 10" star rated as per BEE complete with its all accessories(Make Havells/bajaj/usha/V-guard)	0	Each		
2	Miscellaneous Items				

SECTION XIA

**Upgradation of Govt. Ayurveda Dispensory, Chengamanadu, Eranakulam,
Kerala state**

SI No.	Description	Qty	Unit	Rate in Rs.	Amount in Rs.
2.1	Miscellaneous electrical work, removing of existing conduits and interconnections of light,6A socket/16A socket/A/C point from exisitng DB	0	LS		
Sub Total (Electrical Work)					
Total (Civil & Electrical)					
GST @ 18%					
Grand Total (Inclusive of GST)					

I agree to complete the work as per the schedule at the rate quoted by me as above.

Date:

BIDDER