



Running Contract Details	
Equipment Name	CT Scanner 16 Slice (Model D)
Running Contract Valid Till	07-03-2020
Tender Ref No	KMSCL/EP/T262/1069/2017(R)
Tendered Quantity	10
Supplier Name	M/s Philips India Limited
GST No	33AABCP9487A1ZG
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	1 Years

Supplier`s Details		
Address	Contact Details	
C/o Expeditors International India Pvt. Ltd. Survey No. 523/ 3E2 - 3F - 3G - 3M - 4A - 4B - 524/1B - 2BM - 3A2 Door No.116 Devaneri Village Road - Sholavaram Village Chennai - 600067	Contact Person	Mr. K Ramesh, Mr.Nagaraj Kamt
	Phone	
	Mobile No	9845100119(Ramesh), 9619663999(Nagaraj)
	Email	k.ramesh@philips.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	CT Scanner 16 Slice (Model D) <i>Model & Make : Philips Access 16 Slice CT System M/s. / Philips Medical Systems Netherlands, B.V.</i>	11000000 Incl.GST :0%	908600	11908600
2	Additional workstation <i>Model & Make : Philips/ M/s. Philips Medical Systems Netherlands, B.V</i>	1500000 Incl.GST :0%	123900	1623900
3	Single head pressure injector with 100 syringes <i>Model & Make : Medrad or Equivalent</i>	690000 Incl.GST :0%	56994	746994
4	UPS	1156400 Incl.GST :0%	95518.64	1251918.64
5	Patient trolley <i>Model & Make : Philips</i>	40000 Incl.GST :0%	3304	43304

Item-wise Price Details				
6	CIVIL WORKS : Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	296.8 Incl.GST :12%	21.89	318.69
7	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area beyond 3 sq. metres	320.32 Incl.GST :12%	23.62	343.94
8	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	47.04 Incl.GST :12%	3.47	50.51
9	Dismantling old electrical points, wiring, lights and handing over the same to the hospital authorities	17820.32 Incl.GST :12%	1314.25	19134.57
10	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	1247.68 Incl.GST :12%	92.02	1339.7
11	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	82.88 Incl.GST :12%	6.11	88.99
12	Dismantling of toilet fittings including pipe lines , closets, washbasin etc to complete	9504.32 Incl.GST :12%	700.94	10205.26
13	Anti- Termite treatment : Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	652.96 Incl.GST :12%	48.16	701.12
14	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti- termite treatment (excluding the cost of chemical emulsion) : Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete: With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	35.84 Incl.GST :12%	2.64	38.48

Item-wise Price Details				
15	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	7127.68 Incl.GST :12%	525.67	7653.35
16	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift up to 1.5 m, disposed soil to be levelled and neatly dressed : All kinds of soil	178.08 Incl.GST :12%	13.13	191.21
17	Filling with river sand including watering, ramming, consolidating and dressing complete	2375.52 Incl.GST :12%	175.19	2550.71
18	Providing cable trench for system cables and wherever necessary with metal cover including finishing works and all allied works	1781.92 Incl.GST :12%	131.42	1913.34
19	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	7722.4 Incl.GST :12%	569.53	8291.93
20	Providing and laying in position cement concrete of grade M-25 or 1:1:2 (1 Cement: 1 Coarse sand: 2 Coarse Aggregate) in floor slab of thicknes upto 125mm including the cost of centring and shuttering	9266.88 Incl.GST :12%	683.43	9950.31
21	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Thermo-Mechanically Treated bars.	80.64 Incl.GST :12%	5.95	86.59
22	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 1:6 (1 cement : 6 coarse sand)	7127.68 Incl.GST :12%	525.67	7653.35
23	Half brick masonry 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. Cement mortar 1:4 (1 cement :4 coarse sand)	1128.96 Incl.GST :12%	83.26	1212.22
24	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	237.44 Incl.GST :12%	17.51	254.95

Item-wise Price Details				
25	15 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	296.8 Incl.GST :12%	21.89	318.69
26	Providing and applying 6mm POP Punning on the walls including hacking of existing plaster complete.	213.92 Incl.GST :12%	15.78	229.7
27	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.	1425.76 Incl.GST :12%	105.15	1530.91
28	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's 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. Size of Tile 600x600 mm	1544.48 Incl.GST :12%	113.91	1658.39
29	Providing and fixing 2.0mm th. Vinyl floor with rubber based adhesive over clean and smooth surface including finishing by rolling a light roller all complete.	1485.12 Incl.GST :12%	109.53	1594.65
30	Providing and fixing in position polished hard wood door frames / jambs including all necessary hold fasts, anti termite coating on back side and polish etc. complete 1. 150 x 65mm Door/ window Frames	4158.56 Incl.GST :12%	306.69	4465.25
31	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)	528.64 Incl.GST :12%	38.99	567.63

Item-wise Price Details				
32	<p>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)</p>	<p>474.88 Incl.GST :12%</p>	35.02	509.9
33	<p>Providing and fixing 12mm 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.</p>	<p>1307.04 Incl.GST :12%</p>	96.39	1403.43
34	<p>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</p>	<p>1544.48 Incl.GST :12%</p>	113.91	1658.39
35	<p>Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000mm) with double speed adjustment with necessary accessories and screws etc. complete.</p>	<p>474.88 Incl.GST :12%</p>	35.02	509.9
36	<p>Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.</p>	<p>451.36 Incl.GST :12%</p>	33.29	484.65
37	<p>Providing and fixing sun controlled film on glass surface for door/windows,after thoroughly cleaning and dust free the surface to get smooth finish,to get air tight clean surface, ect,complete as directed by Engineer-in -charge</p>	<p>712.32 Incl.GST :12%</p>	52.53	764.85

Item-wise Price Details

38	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	<p align="center">356.16 Incl.GST :12%</p>	<p align="center">26.27</p>	<p align="center">382.43</p>
39	Providing and fixing aluminium tower bolts 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 : 250x10 mm	<p align="center">415.52 Incl.GST :12%</p>	<p align="center">30.64</p>	<p align="center">446.16</p>
40	Providing and fixing aluminium tower bolts 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 : 150x10 mm	<p align="center">296.8 Incl.GST :12%</p>	<p align="center">21.89</p>	<p align="center">318.69</p>

Item-wise Price Details

41	<p>Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3layers covering upto 150 mm or both sides of joint and two coats of primer suitable for board, all as per manufacture's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I.</p>	<p align="right">1307.04 Incl.GST :12%</p>	<p align="right">96.39</p>	<p align="right">1403.43</p>
42	<p>Providing and Fixing One Hour Fire Rated Door including hardware, Door Size approx 1.0m x 2.1m</p>	<p align="right">77220.64 Incl.GST :12%</p>	<p align="right">5695.02</p>	<p align="right">82915.66</p>
43	<p>Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.</p>	<p align="right">260.96 Incl.GST :12%</p>	<p align="right">19.25</p>	<p align="right">280.21</p>

Item-wise Price Details

<p>44</p>	<p>Providing and fixing tiled false ceiling of approved materials of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams per sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85x 30x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer -in-charge.12.5 mm thick square edge PVC Laminated Gypsum Tile size 595x595 mm made of Gypsum plasterboard , manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16 mm thick fire retardant PVC film on the face side and 12 micron metalized polyster on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyster film so as to make the tile a completely sealed unit</p>	<p align="center">1425.76 Incl.GST :12%</p>	<p align="center">105.15</p>	<p align="center">1530.91</p>
<p>45</p>	<p>Providing and Fixing ISI marked commercial flush door shutter of thickness 35mm confirming to IS : 2202 (Part-I) non- ecorative type, core of block board construction with frame of Ist class hard wood and well matched commercial 3 ply veneering with vertical garins or cross bands and face veneers on both faces of shutters finished with decorative high pressure laminated sheet of 1.0 mm thick plain / wood grain in glass, matt & suede finish with high density protective surface layer and reverse side of adhesive bonding quality confirming to IS : 2046 type S inclusive of cost of adhesive of approved quality. The price to include necessary 125mm heavy duty SS hinges tower bolts and SS lock with cylinder complete including edge polishing. Door Size approx 1.0m x 2.1m</p>	<p align="center">14256.48 Incl.GST :12%</p>	<p align="center">1051.42</p>	<p align="center">15307.9</p>

Item-wise Price Details				
46	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.	118.72 Incl.GST :12%	8.76	127.48
47	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade : One or more coats on old work	260.96 Incl.GST :12%	19.25	280.21
48	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	296.8 Incl.GST :12%	21.89	318.69
49	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface.	451.36 Incl.GST :12%	33.29	484.65
50	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing& fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/6 litre (adjustable to 4 litre/8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	17820.32 Incl.GST :12%	1314.25	19134.57
51	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.	2375.52 Incl.GST :12%	175.19	2550.71
52	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690gms. 15 mm nominal bore	1425.76 Incl.GST :12%	105.15	1530.91
53	Supplying and fixing Stainless steel soap dish including cost of materials and labour charges etc complete as per the direction of site Engineer-in-charge.	1188.32 Incl.GST :12%	87.64	1275.96
54	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 Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	10692.64 Incl.GST :12%	788.58	11481.22

Item-wise Price Details				
55	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 than190gms.	1900.64 Incl.GST :12%	140.17	2040.81
56	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 20 mm pipe 10 Kgf/ cm2	296.8 Incl.GST :12%	21.89	318.69
57	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 75 mm pipe 6 Kgf/cm2	742.56 Incl.GST :12%	54.76	797.32
58	Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chased and making good the wall etc. 110 mm pipe 6kgf/cm2	1039.36 Incl.GST :12%	76.65	1116.01
59	Constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	130681.6 Incl.GST :12%	9637.77	140319.37
60	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 32 mm dia	1544.48 Incl.GST :12%	113.91	1658.39

Item-wise Price Details

61	<p>Providing and fixing PVC Door Frame of size 50x47mm with a wall thickness of 5 mm (0.2 mm) made out of single piece extruded PVC profile, with mitred cut joints and joint with 2nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8x100mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.</p>	<p align="center">3563.84 Incl.GST :12%</p>	<p align="center">262.83</p>	<p align="center">3826.67</p>
62	<p>35 mm thick factory made Solid panel PVC Door shutter made out of single piece extruded solid PVC profiles, 5 mm (0.2mm) thick, having styles & rails (except lock rail) of size 95 mmx 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mmX 20 mm x 1 mm, joints of styles & rails to be mitred cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mmx 1 mm at each corner. Single piece extruded 5mm thick solid PVC Lock rail of size 115 mm x 35 mm x 35 mm, out of which 95 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge. Non decorative finish (matt finish).</p>	<p align="center">4752.16 Incl.GST :12%</p>	<p align="center">350.47</p>	<p align="center">5102.63</p>
63	<p>Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours White, Ivory, Rey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1Cement : 4 Coarse sand) including grouting the joints with white cement and matching pigments etc., complete.</p>	<p align="center">1366.4 Incl.GST :12%</p>	<p align="center">100.77</p>	<p align="center">1467.17</p>

Item-wise Price Details				
64	L.T Panel and UPS Panel :Supply,installation,testing and commissioning of cubical pattern floor mounted L.T.Panel made out of 14 SWG CRCA sheet,powder coated having separate alley for incoming/outgoing cable,suitable entry from top/bottom with busbars,ammeter(0-600A),selector switch with CTs voltmeter(0-500V) with protection fuses & selector switch,set of RYB phase indicating LED lamps,contactors,terminal blocks,interconnections,incoming & outgoing.	156115.68 Incl.GST :12%	11513.53	167629.21
65	DISTRIBUTION BOARDS:Supply & installation of 8 Way Vertical TPN DB for Raw power with internal accessories having sufficient No's and capacities :MCCB/MCB (Specify details)	21384.16 Incl.GST :12%	1577.08	22961.24
66	Supply & installation of 8 Way Vertical TPN DB for Raw power with internal accessories having sufficient No's and capacities :MCCB/MCB (Specify details)	16632 Incl.GST :12%	1226.61	17858.61
67	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.(for 2 tonne AC)	3563.84 Incl.GST :12%	262.83	3826.67
68	POWER AND EARTHING CABLES : Supply, laying and fixing of the following sizes of PVC insulated and PVC sheathed 1.1 KV grade flexible cable in trenches ,on surface of wall complete with saddles,ties etc.as required.Make Polycab/Havells cable and Routing the cable in flexible hose/PVC pipes including termination with suitable copper lugs. : 95 Sqmm Copper Cable Flexible (UPS incomer)	1307.04 Incl.GST :12%	96.39	1403.43
69	POWER AND EARTHING CABLES : Supply, laying and fixing of the following sizes of PVC insulated and PVC sheathed 1.1 KV grade flexible cable in trenches ,on surface of wall complete with saddles,ties etc.as required.Make Polycab/Havells cable and Routing the cable in flexible hose/PVC pipes including termination with suitable copper lugs. : 70 Sqmm Copper Cable Flexible (UPS Outgoing)	1188.32 Incl.GST :12%	87.64	1275.96

Item-wise Price Details				
70	POWER AND EARTHING CABLES : Supply, laying and fixing of the following sizes of PVC insulated and PVC sheathed 1.1 KV grade flexible cable in trenches ,on surface of wall complete with saddles,ties etc.as required.Make Polycab/Havells cable and Routing the cable in flexible hose/PVC pipes including termination with suitable copper lugs. : 35 Sqmm Copper Cable Flexible (Earthing cable)	712.32 Incl.GST :12%	52.53	764.85
71	POWER AND EARTHING CABLES : Supply, laying and fixing of the following sizes of PVC insulated and PVC sheathed 1.1 KV grade flexible cable in trenches ,on surface of wall complete with saddles,ties etc.as required.Make Polycab/Havells cable and Routing the cable in flexible hose/PVC pipes including termination with suitable copper lugs. : 25 Sqmm Copper Cable Flexible	623.84 Incl.GST :12%	46.01	669.85
72	POWER AND EARTHING CABLES : Supply, laying and fixing of the following sizes of PVC insulated and PVC sheathed 1.1 KV grade flexible cable in trenches ,on surface of wall complete with saddles,ties etc.as required.Make Polycab/Havells cable and Routing the cable in flexible hose/PVC pipes including termination with suitable copper lugs. : 16 Sqmm Copper Cable Flexible (Earthing cable)	474.88 Incl.GST :12%	35.02	509.9
73	POWER AND EARTHING CABLES : Supply, laying and fixing of the following sizes of PVC insulated and PVC sheathed 1.1 KV grade flexible cable in trenches ,on surface of wall complete with saddles,ties etc.as required.Make Polycab/Havells cable and Routing the cable in flexible hose/PVC pipes including termination with suitable copper lugs. : 10 Sqmm Copper Cable Flexible (Earthing cable)	468.16 Incl.GST :12%	34.53	502.69
74	Chemical Earthing in 600 x 600 copper plate earthing including all necessary chemicals to improve the resistivity of soil etc. etc. complete with 2 no. copper strip 3 x 25mm upto 6m from the top of earthing pipe (Resistance < 0.1 ohm).	28511.84 Incl.GST :12%	2102.75	30614.59
75	P/making 50 x 200mm Raceways, Junction boxes including junction boxes covers and raceway covers suitably supported/chased in floor/wall fabricated from 2mm sheet steel with two coats primer and paint and provided with gaskets etc. incl. Bends/filings & accessories as reqd.	1663.2 Incl.GST :12%	122.66	1785.86

Item-wise Price Details				
76	Providing installing, connecting, testing and commissioning Heat Detectors type with mounting base, blinking LED as required complete and integrating with the existing system	2970.24 Incl.GST :12%	219.06	3189.3
77	SUBMAINS UPS & RAW POWER CIRCUITS,POINT WIRING AND POWER SOCKETS: Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR 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. FR PVC insulated copper conductor single core cable etc as required.	1010.24 Incl.GST :12%	74.51	1084.75
78	Two light controlled by 6A switch	1093.12 Incl.GST :12%	80.62	1173.74
79	Submain wiring with 4X4.0 + 1X2.5 sqmm. PVC insulated stranded copper wires in recessed/surface MS conduit complete with circuit wiring,earth wires etc.. Complete as required	534.24 Incl.GST :12%	39.4	573.64
80	Submain/circuit wiring using 2X1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit along with 1 No 1.5 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	296.8 Incl.GST :12%	21.89	318.69
81	Submain /circuit wiring using 2x2.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit along with 1 No 2.5 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	356.16 Incl.GST :12%	26.27	382.43
82	Submain/circuit wiring using 2x4 sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit along with 1 No 4 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	415.52 Incl.GST :12%	30.64	446.16
83	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	1900.64 Incl.GST :12%	140.17	2040.81
84	Supply, installation testing and commissioning of 1 no 20A socket with 3 pin top with PVC or GI Anodized enclosure and other associated accessories as per the site conditions (Split AC Units - Raw power)	3326.4 Incl.GST :12%	245.32	3571.72

Item-wise Price Details				
85	Supplying and installing the following sizes of M.S. Conduits & Conduit, pipe Accessories and cutting the conduit to required size & bending the conduit to the required shapes fixing on ceiling/floor/wall in position as per specifications 25 mm dia M.S. Conduit with Accessories	296.8 Incl.GST :12%	21.89	318.69
86	Supplying and installing the following sizes of M.S. Conduits & Conduit, pipe Accessories and cutting the conduit to required size & bending the conduit to the required shapes fixing on ceiling/floor/wall in position as per specifications 40 mm dia M.S. Conduit with Accessories	593.6 Incl.GST :12%	43.78	637.38
87	Supplying and installing the following sizes of M.S. Conduits & Conduit, pipe Accessories and cutting the conduit to required size & bending the conduit to the required shapes fixing on ceiling/floor/wall in position as per specifications 50mm dia M.S. Conduit with Accessories	771.68 Incl.GST :12%	56.91	828.59
88	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 No's 5 pin 5/6 amps modular socket outlet and 1 No: 16 amps modular switch, connection etc. as required.	1069.6 Incl.GST :12%	78.88	1148.48
89	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	891.52 Incl.GST :12%	65.75	957.27
90	INSTALLATION OF LIGHT FITTINGS AND FANS: Supply,installation,testing and commissioning of 2ftx2ft recess mountable CFL downlighter prewired and complete with all necessary accessories as required including 2 no.s of 18W lamps.(Make: Philips/Wipro/Crompton/equivalent)	4514.72 Incl.GST :12%	332.96	4847.68
91	Supply,installation,testing and commissioning of round type recess mountable CFL downlighter prewired and complete with all necessary accessories as required including 1no. of 18W lamp.(Make: Philips/Wipro/Crompton/equivalent)	2256.8 Incl.GST :12%	166.44	2423.24

Item-wise Price Details				
92	Supply & installation of 1200 mm sweep. ceiling fan, with double ball bearing, Aluminium pressure die cast body with Aluminium blades, canopies, hanging shackle, down rod and with speed regulator suitable for 230 V/240 V 50 HZ, AC supply confirms to IS 374/1979 as required complete.(Make: Philips/Wipro/Crompton/equivalent)	3563.84 Incl.GST :12%	262.83	3826.67
93	Supply & installation of 300 mm sweep,900 rpm light duty exhaust fan in plastic body with self opening louvers working on 230 V AC supply complete with all accessories as required. (Make: Philips/Wipro/Crompton/equivalent)	2970.24 Incl.GST :12%	219.06	3189.3
94	EARTHING : Supply & providing earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	21384.16 Incl.GST :12%	1577.08	22961.24
95	Supplying and laying 25 mm X 3 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	652.96 Incl.GST :12%	48.16	701.12
96	Supply and installation of portable fire extinguisher (2 kg) with wall mounted for fire type ABC classification	3326.4 Incl.GST :12%	245.32	3571.72
97	Providing and fixing in position CO2 type fire extinguisher of 5kg Capacity	5940.48 Incl.GST :12%	438.11	6378.59
98	2 tonne Split air conditioner 3/5 star with stabilizer complete installation and commissioning (rate for 1 no)	79597.28 Incl.GST :12%	5870.3	85467.58
99	Supply and fixing of 25mm PVC conduit along with accessories and MS boxes in recess / surface including cutting the wall and making good the same as required for telephone and LAN.	106.4 Incl.GST :12%	7.85	114.25
100	Supply and drawing of 2 pair,0.61mm dia unarmoured PVC insulated and PVC sheathed annealed tinned copper conductor telephone cables in recessed/surface conduit and termination complete as required for telephone.	89.6 Incl.GST :12%	6.61	96.21

Item-wise Price Details				
101	Supply and fixing in position twin RJ11 jack plate i/c wall recessed GI box for telephone. (Reputed brand)	1188.32 Incl.GST :12%	87.64	1275.96
102	Supply and drawing CAT 6 wiring in recessed/surface conduite including termination for Data	100.8 Incl.GST :12%	7.43	108.23
103	Supply and fixing in position twin RJ45 jack plate i/c wall recessed GI box for LAN. (Reputed brand)	1900.64 Incl.GST :12%	140.17	2040.81
104	24-Port Gigabit manageable smart Network Switch with 2 SFPs. Rack mountable	35640.64 Incl.GST :12%	2628.5	38269.14
105	Patch panel - 24-Port patch panel with cable tray. Rack mountable	14256.48 Incl.GST :12%	1051.42	15307.9
106	4U Rack- Wall Mountable including 4x 6Amp power distribution box	7722.4 Incl.GST :12%	569.53	8291.93
107	Supply of branded 1mtr patch cords with cat 6 cable.	237.44 Incl.GST :12%	17.51	254.95
108	Supply of branded 2mtr patch cords with cat 6 cable.	327.04 Incl.GST :12%	24.12	351.16
109	Supply of branded 3mtr patch cords with cat 6 cable.	415.52 Incl.GST :12%	30.64	446.16
110	FURNITURE & OTHER WORKS 2mm Lead lined doors: 2mm Lead lined doors: Solid cored(30mm) Lead(2mm) lined flush door side hung two rebated shutters with plywood(6mm) & laminated (1mm) on both sides and all accessories (SS hinges (4 no's), towerbolt , SS handles etc..)	23166.08 Incl.GST :12%	1708.5	24874.58
111	2mm Lead lined door frames: Lead(2mm) lined flush door side hung single shutter with plywood(6mm) & laminated (1mm) on both sides and all accessories (Lead sheet should overlap door frame & wall) Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately), using good quality Anjili wood /jack wood	178202.08 Incl.GST :12%	13142.4	191344.48

Item-wise Price Details				
112	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately), using good quality Anjili wood /jack wood	166322.24 Incl.GST :12%	12266.27	178588.51
113	Providing and fixing paneling or paneling and glazing in paneled or paneled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured) paneling for paneled or paneled and glazed shutters 25 mm to 40 mm thick using good quality Anjili/ Jack wood	8316 Incl.GST :12%	613.31	8929.31
114	Wood frame for fixing Lead Glass (Lead sheet should overlap door frame & wall)	17820.32 Incl.GST :12%	1314.25	19134.57
115	Storage cabinet for accessories: Storage cabinet for accessories in 19 mm ply board construction having sides, top, front, openable panels laminate finish with internal horizontal shelf 19mm commercial plywood painted (enamel) as per approval. Front panels to have a locking arrangements with one panel having tower bolt on the inner side with handles , magnetic hinges and all complete.	1366.4 Incl.GST :12%	100.77	1467.17
116	Steel cupboard (Godrej) for storage 6ft tall 3 feet width	33264 Incl.GST :12%	2453.22	35717.22
117	Computer table (long) with keyboard tray, CPU storage at base in a side and storage drawers at other side. (For workstation and reports) reputed brand godrej/featherlite/wipro	23760.8 Incl.GST :12%	1752.36	25513.16
118	Revolving chair - Pushback, PU arms, Pneutic height adjustment and nylon base. Reputed brand like godrej/featherlite/wipro	23760.8 Incl.GST :12%	1752.36	25513.16
119	Vaccum cleaner power atleast : 1300Watts, input 230Vac, eureka forbes or equivalent	21384.16 Incl.GST :12%	1577.08	22961.24
120	Suitable De- Humidifier units : Extraction at least 35 litres/day, compresor : rotary, Air flow : at least 220m3/hr, reputed brand, input 230Vac	71281.28 Incl.GST :12%	5256.99	76538.27
121	MISCELLANEOUS WORKS:- PVC Name plates - 24" (L) x 4" (H)	2375.52 Incl.GST :12%	175.19	2550.71

Item-wise Price Details				
122	Site cleaning	23760.8 Incl.GST :12%	1752.36	25513.16
123	Dry Imager <i>Model & Make : Carestream or equivalent / Dry imager</i>	100000 Incl.GST :0%	8260	108260
124	Computer with laser printer <i>Model & Make : HP or Equivalent / Desktop with Latest Version</i>	72000 Incl.GST :0%	5947.2	77947.2
125	Lead Apron with thyroid guard <i>Model & Make : Kiran or equivalent</i>	5500 Incl.GST :0%	454.3	5954.3
126	View box LED <i>Model & Make : Mex India or Equivalent / View Box</i>	77600 Incl.GST :0%	6409.76	84009.76
127	CT Fluoroscopy for biopsy (quote rate only if available, not taken for evaluation) <i>Model & Make : Philips / M/s. Philips Medical Systems Netherlands, B.V</i>	1232000 Incl.GST :0%	101763.2	1333763.2
		17260355.68	1413431.71	18673787.39

Annual / Comprehensive Maintenance Charges (Exl.Tax)									
Rate	2 ND Year	3 rd Year	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year	10 th Year
CT Scanner 16 Slice (Model D)									
Labour	4,13,000.00	4,13,000.00	4,13,000.00	4,13,000.00	4,13,000.00	4,13,000.00	4,13,000.00	4,13,000.00	4,13,000.00
Comprehensive	17,70,000.00	17,70,000.00	17,70,000.00	17,70,000.00	17,70,000.00	17,70,000.00	17,70,000.00	17,70,000.00	17,70,000.00

Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).
2. The supplier shall submit performance security amounting to 5% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

Technical Specification

Equipment :CT Scanner 16 Slice (Model D)

Operational Requirements

The spiral CT scanner system for high resolution whole body scanning. The instrument must be capable of acquiring minimum 16 slices per 360° rotation. The system must have latest iterative reconstruction technique in raw data space.

Technical Specifications

1. Scan Time

- a. The scan time for one gantry rotation of complete 360° rotation should be 0.9 Sec or less.

2. Scanning Capability

- a. Pediatric and infant base protocols shall be available based on the infant weight. 80 KV or less. Station must be offered.
- b. Real time contrast monitoring acquisition with auto scan initiation protocol and with auto injector trigger.
- c. High Contrast Resolution should be at least 15 lp/cm for axial and spiral scan at 2 % MTF
- d. Low contrast resolution should be at least 3 mm at 3%

3. Gantry

- a. Aperture of 65 cm or more
- b. Auto Positioning Lights
- c. Should have FOV of at least 45 cm or more
- d. Physical / Digital Remote Gantry Tilt must be provided with Tilt \pm 30

4. Detectors

- a. Data acquisition system capable of acquiring 16 Slices or more per 360° rotation with 16 or more rows of detector. Total coverage of the detectors must be 12 mm or more.

5. Slice Thickness

- a. 16 slice acquisition with minimum thickness of 0.80 mm or less

6. Pitch Factor (Volume Pitch)

- a. Should be variable between 0.6 - 1.5 or better and should be user selectable or automated. Specify all possible pitch selections.

7. Scan Time and length in Spiral/Helical Technique

a. Should be at least 100sec continuous

8. X-Ray Generator

a. High Frequency type

b. Power output: 26 KW or higher Voltage Selection: 80-140 K or wider

c. mA Range: 230 mA or more (with incremental steps of 1 mA)

9. X-Ray Tube

a. Anode Heat Storage Capacity- Minimum of 3.5 MHU or more

b. Anode Heat Dissipation: Specify the minimum value in KW.

10. Patient Table

a. Carbon Fiber Table Top with Load carrying capacity 150 Kg with 1mm positioning accuracy.

b. Horizontal Table speed preferably 100 mm/sec.

c. Metal free scan able range of 120 cm or more

d. Facility of positioning aid for horizontal Iso-centric positioning of the patient.

e. Elevating table.

11. Image Reconstruction

a. Reconstruction Field of View Range: 5-45 cm Reconstruction Matrix: 1024 x 1024

12. Image Display

a. Image Area Matrix Dimension: 1024 x 1024

13. Image Reconstruction

- a. Image reconstruction capability should be at least 10 images/sec with simultaneous reconstruction facility.
- b. Storage Capacity 2 TB or more
- c. System should have latest iterative reconstruction technique in raw data space.

14. Operator Console:

- a. It should have 21" or more high resolution LCD monitor OR two 18" separate monitors.
- b. The system should be user friendly with all functions menu driven. It should be modern user interface.
- c. All functions including scanning image reconstruction, film documentation, archiving, transferring, MPR Angiography maximum intensity projection, 3D volume rendering, 3D SSD, CT Angio, CT Urography, vessel analysis, should be possible on console MIP, CT Angio software with quantitative vessel analysis must be provided.

15. Computer System & Image Processor

- a. 64 Bit main CPU with at least 8 GB RAM memory or better
- b. High speed CPU with latest software should be provided.
- c. Hard Disc of 2 TB or more
- d. Image storage in 512 x 512 matrix for storage of 7, 00,000 images or more.
- e. DVD/CD archive capacity with Dicom viewer software default.
- f. Image Processor: Operating system shall be windows/ Linux based
- g. The image reconstruction time should be at least 10 images /sec or better for all types of acquisition modes including Cone Beam Correction, Neuro Imaging studies.

16. Software

- a. Should have DICOM 3.0 compatibility
- b. Volume rendering technique with axial cross reference imaging along with measurement tools on volume rendered image 3D, 3D small volume measurement package MIP slab viewer

17. Patient Communication System

- a. An integrated intercom and Automated Patient Instruction System (API) should be provided

18. Others

- a. System should have PACS interface ready without any new hardware or software.
- b. Fully DICOM 3.0 compliant including
 - i. DICOM Modality work list, with automatic procedure selection
 - ii. Capability from HIS-RIS interface
 - iii. A Barcode reader for entering patient data from HIS RIS must be possible.

19. Dose saving protocols

- a. Latest dose saving protocols must be available

20. CT Fluoroscopy for Biopsy:(optional, to be quoted if available)

- a. Continuous CT (CCT) biopsy mode to enable the clinician to perform scans from the gantry room using a foot pedal and view the images on a cart-mount, in-room monitor for guidance planning and monitoring. Each scan exposure is a 240° axial. Reconstructed images may be viewed as one image or three images.

21. Accessories

- a. Lead Glass of size 100 X 150 cm
- b. Single Head Pressure Injector (300psi) with 100 syringes
- c. Patient Trolley
- d. The equipment should be new and unused. The manufacturing date should not be more than 180 days when it would reach the consignee address.
- e. All patient positioning accessories including head rest

22. Standard & Safety

- a. Should be of CE ("Conformité Européene") or FDA (US) and AERB approved. Quoted model release should be within 3 years. Please submit the documents for the same.

23. Work Station : Price to be quoted separately and will be taken for evaluation.

- a. Standalone multimodality independent work station from the same manufacturer.
- b. 2 TB Hard disc & 8 GB RAM

- c. Should be capable of simultaneous viewing all post processing functions and filming independently without the help of main console. Two way data transfer between the operative console and the satellite workstation should be standard.
 - d. Image evaluation tools: All advanced post processing softwares like MIP, MPR, VRT,SSD, IMAGE FUSION, Neuro Substraction, CT angio for both brain and body, Perfusion CT for brain, Virtual Endoscopy, Vessel analysis, Vessel segmentation.
24. Suitable UPS for the entire system including CT scanner, console, additional work station with sufficient rating for 15 minutes back up. Rate to be quoted separately which will be taken for evaluation.
25. Dry Imager (Not taken for evaluation)
- a. Resolution: 16 bits/ 500 dpi or more with minimum three trays.
 - b. Support Multiple Film Sizes: one of which must be 17"x14".
 - c. DICOM Compatible
26. One branded Personal Computer i7 or latest with laser printer of latest configuration. (Not taken for evaluation)
27. View boxes - LED type of 14"x17" 3 film type. (Not taken for evaluation)
28. Light weight vinyl Lead Aprons of 0.5 mm lead equivalence. (Not taken for evaluation)

IV. SCOPE FOR TURNKEY WORK

- 1) Installation, commissioning of the machine with all accessories mentioned.
- 2) Minor civil works and finishing works to remodel the existing room and the adjacent rooms for reporting.
- 3) Minor demolitions of existing wall.
- 4) Fixing of the lead glass on the wall.
- 5) Tile flooring on the gantry and console room.
- 6) Interior finishing works with false ceiling.
- 7) Dadoing work till false ceiling in the console and gantry room
- 8) Supply and Installation of the Air Conditioning units of suitable tonnage on the gantry and console room.
- 9) Necessary cabling work, lightings, switches and various sockets and electrical distribution paneling works.
- 10) The required power at one point in the proposed room shall be provided by the respective user institution.
- 11) Lead lining on the doors and frames as per AERB requirements.
- 12) Facilitating the user institution to obtain DRS approval (necessary drawing by the supplier).
- 13) Obtaining electrical inspectorates approval (necessary drawing by the supplier) by liasioning with hospital authorities.
- 14) The CMC rate offered shall be inclusive of all items supplied along with the machine including Air conditioner etc.
- 15) The bill of items with specifications of turnkey is provided in the price bid. Unit rate shall be offered and lumpsum shall be offered wherever requested. The actual requirement of each site and the bill of quantities of each site can be finalized after the award of work.

16) The rate offered for turnkey shall be taken for L1 evaluation. The split-up items and the quantity taken for evaluation is shown below. However actual quantity may vary depend upon site.

17) The rates offered shall be inclusive of labour charges, clearing of debris, storage of materials, loading, Unloading, etc.

18) The approved makes of civil and electrical materials are given below. The execution of turnkey works shall be done through these approved brand of materials only.

V OTHERS

1. The offer should be accompanied by original product data sheet/brochure of the product and AERB type approval certificate or valid No Objection Certificate (NOC) for the model offered should be submitted along with the technical bid. In case of NOC valid type approval certificate has to be submitted prior to submission of invoice for payments.

2. There shall be no separate licensing fee for the use of software (software by the bidder or third party) supplied by the bidder.

3. Remote diagnostic capabilities must include the ability to remotely connect the system on a regular basis to retrieve information about the system and to correct any software problems.

4. It is the responsibility of the bidder to provide all items required but erroneously mentioned or omitted above for the full commissioning of the equipment.

LIST OF MATERIALS OF APPROVED BRAND AND/OR MANUFACTURED AS PER IS SPECIFICATION

Civil

Sl. no Item Makes

1. Vitrified Tiles RAK, Johnson, Khajaria, Somani
2. Ceramic Floor Tiles RAK, Johnson, Khajaria, Somani
3. Ceramic Wall Tiles RAK, Johnson, Somani, Khajaria
4. HD Digital wall tiles Somani/ Grestek Nxt
5. PVC Pipes (10 kg/cm²) Supreme/ Finolex
6. PVC pipes (6kg/cm²) Supreme, Phenolex
7. Valves Zoloto/Wiking
8. Exterior Emulsion Jotun, Asian
9. Plastic emulsion ICI, Asian, Nerolac
10. Wall putty Altech, Asian, JK, Birla

11. Cement paint Surfaced, Snowcem, Nerocem
12. Plywood Green Ply, Century
13. Patch fittings/ Door locks
& Door closers Godrej, 'Dorma', Merit
14. Laminate Decolam, Formica, Greenlam, Green Ply, Anchor
15. False ceiling Armstrong, AMF, Comceil, India gypsum/Saint
Gobain, Vansgypsum
16. Glass (all types) Saint Gobain, Modiguard, Hindustan, Asahi, Triveni
17. Hardware (locks) Godrej, Merit, Dorma
18. Cement Malabar/ Sankar/Ultratech/Ambuja, ACC, RAMCO
19. Exterior paint Jotun / Asian/ Nerolac
20. Gypsum or Calcium Silicate Gypboard, Hilux

Ceiling

21. Sanitary fittings Jaguar, Marc, Roca
22. Sanitary ware RAK, Toto, American Standard, Parryware, CERA, Hindware
23. Aluminium Powder coating Bhoruka, Hindalco, Metacoats
24. Aluminium Extrusion Bhoruka, Hindalco, Jindal/Indal

Electrical

Sl.No Item Make of Materials/Equipment

1 1.1 kV grade XLPE insulated PVC sheathed Al./ Cu. Cable CCI, NICCO, Torrent, Universal, Havells, Gloster, Finolex, KEI

2

MCCB Siemens, Schneider, GE, L&T, C & S, Legrand,

3 Capacitor L&T, Saha Sprague, GE, Shreem, Epcos, Schneider

- 4 Starters, Timer & Contactors Siemens, L&T, Schneider, C&S, BCH, GE.
- 5 SDFU, Isolator, SFCOS L&T, Siemens, Schnieder, GE.
- 6 Push Buttons Teknic, Schneider, Siemens, BCH, C&S, L & T
- 7 Indicating lamps (LED type) Teknic, Schneider, Siemens, BCH, C&S, L & T
- 8 Fuses/Fuse carriers Siemens, L & T, Schneider, GE
- 10 Integrating meters SIMCO, L&T, Siemens, AE, Schneider, Secure, Socomec
- 11 Instrument Transformer AE, Intrans, Kappa, Intech, PGR, Powertech, Resitech
- 12 Selector switches Reco, Essen, Kaycee, L&T, C & S, Siemens, Schnieder, BCH, Teknic
- 13 660/1100 volt grade stranded unsheathed wire with copper conductor Finolex, RR Kabel, L&T, Lapp Kabel, V-Guard, Polycab
- 14 PVC Conduit Konseal, Balco, Precision, Clipsal
- 15 TOD meter L&T, Schnieder, Secure
- 16 Exhaust Fans Almonard, Crompton, polar, Khaithan, Baliga
- 17 Light Fittings Philips, Wipro, K- lite, Crompton Greaves,
- 18 LED light fixtures Philips, Crompton greaves, wipro
- 19 LED Chip CREE, Philips, Nichia
- 20
- Modular type switches, sockets, bell push, fan regulator etc. Crab Tree(Athena), MK India (Blenz), Legrand(mosaic), Wipro (Northwest), Kolors (krest), Anchor(woods)
- 21 Ceiling fan Crompton Greaves, Polar, Usha, Khaithan
- 22 Metalclad plug/socket/Decontactor Legrand, C & S, Schnieder, Hagger,
- 23 Thermoplastic industrial type plug/ socket / decontactor Hensel, MK
- 24 MCB, RCBO, RCCB Legrand, Siemes, L&T, Hagger, Schnieder, Indoasian (gold plus)
- 25 MCB Distribution Boards Legrand, Siemes, L&T, Hagger, Schnieder, Indoasian (gold plus)
- 26 Nitrile rubber insulation Armaflex/K-flex/Totaline