



कार्यालय परियोजना प्रबन्धक, यूनिट-55

कन्स्ट्रक्शन एण्ड डिजाइन सर्विसेज, उत्तर प्रदेश जल निगम (नगरीय),

परिसर निर्माणाधीन राजकीय मेडिकल कॉलेज, ग्राम-चितौरा, एन0एच0-2, फतेहपुर-212601

(उ0प्र0 सरकार का उपक्रम)

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दिनांक- 19.05.2026

"शुद्धि-पत्र"

इस कार्यालय के पत्रांक 634/ई-टेण्डर/73 दिनांक 13.05.2026 द्वारा जनपद फतेहपुर के राजकीय हाईस्कूल रूहेल्लापुर में पुस्तकालय कक्ष का निर्माण कार्य हेतु ई-निविदा आई0डी0-2026_UPCDS_1148230_1 द्वारा सी0एण्ड डी0एस0 में पंजीकृत ठेकेदारों से दिनांक 23.05.2026 के अपरान्ह 16.00 बजे तक ई-निविदाएं आमन्त्रित की गई हैं, जिसके बिड डाक्यूमेण्ट के अन्तर्गत अपरिहार्य कारणोंवश संशोधित SCHEDULE-G (B.O.Q.) अपलोड किया जा रहा है। जिसकी कुल लागत 13.87 लाख है। उक्त के अतिरिक्त समस्त शर्तें एन0आई0टी0 के अनुसार यथावत् रहेगी।

समस्त शुद्धि पत्र (corrigendum) <http://etender.up.nic.in> पर ही अपलोड किये जायेंगे, इनका पृथक से कोई प्रकाशन नहीं किया जायेगा। निविदादाताओं को सलाह दी जाती है कि वे उक्त वेबसाइट का समय-समय पर अवलोकन करते रहें।

संलग्न:- SCHEDULE-G (B.O.Q.)

परियोजना प्रबन्धक

CONSTRUCTION OF LIBRARY AT GOVT. HIGH SCHOOL, RUHELLAPUR, DIST.FATEHPUR (U.P.)					
BILLOF QUANTITY					
S.N.	DESCRIPTION OF ITEM	QTY	UNIT	RATES	AMOUNT
	CIVIL WORK UPTO P.L				
1	Excavation in foundation in ordinary soil (loam clay or sand) including lift upto 1.50 meter and lead upto 30 meter and including filling, watering and ramming of excavated earth into the trenches or into the space between the building and sides of foundation trenches or into the plinth and removal and disposal of sur-plus earth as directed by the Engineer incharge up to a distance of 30 meters from the foundation trenches.	34.60	CUM	185.45	6416.41
2	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	7.02	CUM	499.06	3503.38
3	Sand filling in plinth including supply of necessary quantity of sand from a distance not exceeding 8 kms. from the site of work and including watering, dressing etc rate to include cost of all materials labour T & P etc required for proper completion of work.	6.33	CUM	1513.02	9577.42
4	Providing and laying in cement concrete 1:4:8 (1 cement :4 coarse sand :8 graded stone aggregate 40 mm nominal size) and curing complete,including cost of form- work, in foundation and floors.	10.39	CUM	4853.07	50423.36
5	Providing and injecting chemical emulsion for preconstructional antitermite treatment and creating a chemical barrier under and around the column pits wall trenches basement excavation top surface if plinth filling junction of wall and floor, along the the external perimeter of binding expansion joints, surrounding of pipes and conduits etc, complete (plinth area of the building at ground				
	floor only shall be measured as per I.S.6313(PartII 1981)Alderine emulsifiable concentrate or any other approved material such as Heptrachlor or Chlordane will be used. The rate of application of chemical emulsion shall be as follows : (1)Treatment for masonary & foundation 5 liters per sqm. (2) Back fill in immediate contact with foundation 7.5 liters/sqm (3) Treatment of top surface of plinth filling 5 liters/sqm				
	(4) Treatment of soil along external perimeter of building 7.5 liters/sqm. (5) Treatment of soil under apron along external perimter 5 liters/sqm.	72.90	SQM	220.89	16102.78
6	RCC Work for the lighter beams i.e. having spans upto 6 m. (Using 1:1.5:3 Mix concrete) [1 cement :1.5 coarse sand :3 stone aggregate] M-20	1.17	CUM	6444.45	7540.01
7	As in item 6 above but in R.C.C. Footing / foundation and footing with approved stone ballast.(Using 1:1.5:3 Mix concrete). M-20	1.26	CUM	6444.45	8097.59
8	As in item above but in R.C.C. columns in1:1.5:3having strength not less than M 150. (PWD- 289) M-20	0.24	CUM	6444.45	1548.02
9	M-150 brick work in 1:6 (one cement and six coarse sand sand of 2.25 fineness modulus) mortar in foundation & plinth including supply of all materials, labour and T & P etc required for proper completion of the work.	19.14	CUM	5081.22	97254.58
10	Providing and laying damp-proof course 25 mm thick with cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 12.5mm nominal size)	6.14	SQM	292.70	1797.19
11	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	6.14	SQM	104.12	639.31

12	P/F Mild steel or iron in plain work such as reinforced concrete or reinforced, brick work (when not included in over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of all steel and and over lapping & hooks.	3.06	QTL.	7683.55	23511.65
13	15mm thick plaster with cement mortar in proportion of 1:4 cement & coarse sand of 2.25 F.M.	12.47	SQM	293.34	3657.98
14	Centering and shuttering including strutting, propping etc. and removal of form for all heights :				
(a)	Foundations, footings, bases of columns, etc. for mass concrete.	2.46	SQM	279.38	686.30
(b)	Columns,Pillars, Piers, Abutments, Posts and Struts.	0.24	SQM	684.86	164.51
(c)	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	10.16	SQM	524.63	5330.27
TOTAL					236250.75
CIVIL WORK ABOVE P.L					
1	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjias, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources). R.C.C. work in Lintel (M-20)	1.09	CUM	8196.85	8934.57
2	As in item no. 1 above but for slabs (Using 1:1.5:3 Mix concrete). [1 cement :1.5 coarse sand :3 stone aggregate] M-20	10.73	CUM	8196.85	87952.22
3	As in item 1 but for the lighter beams i.e. having spans upto 6 m. (Using 1:1.5:3 Mix concrete) [1 cement :1.5 coarse sand :3 stone aggregate] M-20	2.07	CUM	8196.85	16967.48
4	As in item 3 above but in R.C.C. columns in1:1.5:3having strength not less than M 150. M-20	0.95	CUM	7731.96	7374.55
5	Brick work in super-structure above plinth level up to floor two level (up to two storeys) including necessary cutting and moulding of bricks as required and also including honey comb brick work thickness of wall not to be less than 1.5 brick thick. (1:6 cement & coarse sand)	30.39	CUM	6487.34	197150.34
6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours				
	followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured.	65.25	SQM	490.79	32024.20

7	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I!) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured):Rectangular or square	10.08	SQM	1846.47	18612.45
8	Mild steel or iron work				
(a)	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	7.20	KG	69.25	498.59
(b)	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.				
	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	119.25	KG	139.07	16583.64
9	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.				
	Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.				
	AVentilator Casement window single panel with or without fixed panel with S.S. 304 friction hinges as per size and weight of sash, single point locking zinc alloy (zamak) powder coated handles 9.147.D1.2 Using R2 series with frame (39 mm & above) x (39 mm & above) & sash /mullion (39 mm & above) x (60 mm & above). (Height upto 1.2 metre)	9.90	SQM	8730.75	86434.38
10	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading	9.90	SQM	807.57	7994.98

11	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	44.55	SQM	454.78	20260.41
12	Float glass panes mm thick glass pane (weight not less than 10 kg/sqm).	10.98	SQM	1597.12	17536.41
13	P/F Mild steel or iron in plain work such as reinforced concrete or reinforced, brick work (when not included in over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of all steel and and over lapping & hooks.	13.19	QTL.	7683.55	101345.98
14	15 mm cement plaster in single coat on rough side of single or half brick wall for interior plastering up to floor two level including internal rounded angles not exceeding 80 mm in girth and finished even and smooth. (1) 1 cement : 6 coarse sand.	217.53	SQM	281.66	61269.24
15	12mm cement plaster in single coat on fair side of single or half brick wall for exterior plastering up to floor two level including internal rounded angles chamfers, and/or rounded angles not exceeding 80mm in girth and finished even and smooth no extra for mixing any additive. (1) 1 cement : 6 Coarse sand 2.25 F.M.	114.96	SQM	244.83	28145.22
16	12mm thick plaster in 1:3 cement & coarse sand on ceiling and soffits of stairs upto floor two level.				
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. Size of Tile 600x600 mm.	47.31	SQM	1106.72	52359.06
18	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 15mm thick cement mortar 1:3 (1 cement : 3 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm.	2.82	SQM	1156.31	3260.79
19	Supply and fixing of Kota Stone in flooring 25mm thick and joint filled 1:2 cement and coarse sand with approved colouring materials to be given an even shade with 12mm base coat (bedding) of 1:2 cement & coarse sand mortar and polished by hand or machine and finally finished with french manson polish or other approved polish including supply of all materials, labour, tools & plants etc required for proper completion of the work. 25mm thick	18.90	SQM	1387.99	26233.01
20	Supply and fixing 10 to 12mm thick Kota Stone tiles in skirting or dado laid with 1:2 cement and approved coarse sand mortar finished with in its cement colour slurry, jointing and polished or approved quality complete, including supply of all materials, labour tools & plants etc required for proper completion of teh work. 25mm thick	10.80	SQM	1677.56	18117.61
21	Cement concrete flooring 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 12-20mm nominal size laid in one layer neat cement (25 mm thick floor).	21.96	SQM	285.00	6258.60

22	Painting 1st coat over priming coat (but excluding cost of priming coat) on steel and other metal surfaces up to 10 cm.width or girth or small articles not exceeding 0.10sqm in area white superior synthetic enamel such as LUXOL3,Hi-gloss apcolite superlac, DULUX specified brushing to give an even shade and including cleaning the surface of all dirt,dust and other foreign matter sand papering and stoping including cost of all materials, labour tools and plants etc. required for proper completion of the work. (M.S. works)	3.02	SQM	161.19	486.78
23	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade : New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm) with base	217.53	SQM	121.90	26516.17
24	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour (Inner walls) .	114.96	SQM	132.26	15204.89
25	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour (Ceiling) .	74.83	SQM	132.26	9897.20
26	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	407.32	SQM	111.17	45283.61
27	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16 mm	2.00	NOS	138.00	275.99
28	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :				
	(a) 250 mm x 10mm	4.00	NOS	59.77	239.09
29	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 125 mm	4.00	NOS	28.46	113.85
30	Centering and shuttering including strutting, propping etc. and removal of form for all heights :				
(a)	Suspended floors, roofs, landings, balconies and access platform.	88.11	SQM	660.60	58205.45
(b)	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	27.37	SQM	524.63	14357.62
(c)	Columns,Pillars, Piers, Abutments, Posts and Struts.	0.95	SQM	684.86	653.20
	TOTAL				986547.57
	INTERNAL PLUMBING WORKS				
1	Providing and fixing unplastised-PVC pipe clips of approved design to unplastised-PVC pipes by means of 50x50x50 mm hard wood plugs, screwed with MS screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete				
	110mm	8.00	Each	264.52	2116.20
2	Providing and fixing on wall face unplastised-Rigid PVC rain water pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion.				
	110 mm	9.00	Metre	268.87	2419.84
3	Providing and fixing on wall face unplastised PVC moulded fittings/accessories for unplastised Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion				
	Bend 87.5 degree				
	110 mm Bend	2.00	Each	107.11	214.23
	Shoe (Plain)				
	110 mm Shoe	2.00	Each	93.93	187.87
4	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	2.00	Each	38.97	77.94

5	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over PVC sheet 1m x 1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, punning, rounding the edges and making and finishing the outlet complete.	2.00	Each	212.48	424.96
TOTAL					5441.03
INTERNAL ELECTRICAL WORKS					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required.				
a)	Group - C	20	Point	1222.19	24443.8
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	126	Metre	191.51	24130.26
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	25	Metre	223.06	5576.5
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	80	Metre	267.53	21402.4
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 amps modular switch, connection etc. as required.	4	Each	390.9	1563.6
4	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.	4	Each	472.67	1890.68
5	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	2	Each	578.82	1157.64
6	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	6	Each	288.33	1729.98
7	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	3	Each	33.71	101.13
8	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required				
	5/6 A switch	6	Each	86.79	520.74
	3 pin 5/6 A socket outlet	6	Each	97.55	585.3
9	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	20	Each	74.59	1491.8
10	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	6	Each	209.62	1257.72
11	Supplying and fixing extra down rod of 10 cm length G.I. pipe, 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	6	Each	38.01	228.06
TOTAL					86079.61
SUB-HEAD II - FANS & LIGHT FIXTURES:					
12	LED Down lighter (SMD Type) (System lumen efficacy >135lm/Watt)				

	<p>Supplying, Installation, Testing & Commissioning of LED Recessed/surface Down lighter (Round /square/Rectangular) SMD type of following body material with PMMA and prismatic diffuser and construction as per IS : 10322 with driver as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range - 5 0C to 40 0C, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F.≥0.95, IP20, CRI >80, UGR (Unified Glare Rating) < 19, Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), life time of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K/ 4000°K /5700°K / 6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). Powder coated die cast /Extruded aluminium Body including trim .</p>				
	8-10 watt				
	12-15 watt	3	Each	542.24	1626.72
13	LED Batten light (System lumen efficacy >135 lm/Watt)				
	<p>Supplying, installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) as per the requirement with Driver efficiency >85% ,Operating voltage AC 140- 270 Volt, frequency 50/60 hz, Operating temp range - 5 0C to 40 0C, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F.≥0.95, IP20, CRI >80, Flicker free (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output . LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted.. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). Powder coated die cast /Extruded aluminium Body (Thickness > 1.20 mm)</p>				
	18- 22 Watt	12	Each	567.48	6809.76

14	Brush Less Direct Current (BLDC) Fan with Remote Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body. Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, remote (preferably mobile app based) for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 0C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required.	6	Each	1932.99	11597.94
15	Supplying of following size exhaust fan complete with gravity louver and connection with 3 core flexible wire as required.				
	300mm EXHAUST FAN	3	Each	2280.95	6842.85
	TOTAL				26877.27
	SUBHEAD- III: DISTRIBUTION BOARD				
16	Supplying and fixing following way surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required.(Note : Vertical type MCB TP DB is normally used where 3 phase outlet are required.)				
	4 way (4 + 12), Double door	1	Nos	5702.85	5702.85
17	Supplying and fixing following rating, four pole, 415 V, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required				
	40 amps SP MCB	4	Each	679.25	2717
	40 amps 4P MCB	1	Each	2429.15	2429.15
18	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	6	Each	10.04	60.24
	TOTAL				10909.24
	SUB-HEAD -IV : L.T. CABLES				
19	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required				
	Up to 35 sq.mm.	18	Metre	33.71	606.78
20	Supply of following siz of 1.1KV grade multicore aluminium conductor XLPE insulated and PVC shethed armoured cable as per IS 7098:1988 with up to date amendment				
	4 x 16 sq.mm	18	Metre	375.25	6754.5
21	Supplying and making cable end terminations with brass compression gland and aluminium lugs for following size of PVC insulated PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade, complete as required.	2	Each	223.06	446.12
	2 X 16 sq. mm (22mm)				
22	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required				
	100 mm dia	10	Metre	1375.69	13756.9
	TOTAL				21564.3
	GRAND TOTAL				1373669.77
	ADD LABOUR CESS @ 1% ON GRAND TOTAL				13736.6977
	TOTAL SAY IN RS.				1387406.46
	SYA RS. IN LACS				13.87