Bill of Quantities (BOQ)

Shree Buddha Madhyamik Bidhyalaya ma Adhuro Bhawan ra Toilet Nirman Shantinagar-04, Dang

IFB No.: 3500056025/NCB/WORKS/SDDOD/04/083/084

Provisional Sum

SL. No.	Item Description	Unit	Quantity	Unit Rate (NPR)	Amount (NPR)
PS.1	Insurance premium for the work, plant and materials damage for contract work for all risk including Riot, Strike, Damage, Malicious damage for contract work	P.S	1.00	25,500.00 Twenty-five thousand five hundred rupees only.	25,500.00 Twenty-five thousand five hundred rupees only.
PS.2	Carry out additional test for concrete, brick, interlock brick, steel etc materials and works as required and instructed by the Engineer	P.S	1.00	10,000.00 Ten thousand rupees only.	10,000.00 Ten thousand rupees only.
PS.3	Supply and install Project project sign board of size 1.2m X 1.5 m including painting, writing complete as per the instruction of Engineer	P.S	1.00	5,000.00 Five thousand rupees only.	5,000.00 Five thousand rupees only.
	Total provisional sums				40,500.00 Forty thousand five hundred rupees only.

Construction work
CPV: 45000000-7 - Construction work

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.1	Site clearance before and after all complete as per design, drawing, specification and instruction of site incharge.	L/s	1.00			
1.2	E/W excavation in foundation for lift upto 6m including timbering ,pumping out water from the foundation trench ,stocking the soil upto 30m from the edge of foundation ,falling the excavated soil and clean and grubb of excess soil upto a lead of 30 as per instruction and direction all	cu.m	30.53			
1.3	Earth Back Filling in soft and silty soils including 300mTranspotration distance with watering and compection all complete as per design, drawing, specification of site incharge.	cu.m	15.94			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.4	Providing and laying boulder stone soling in foundation including voids packing with stone all complete as per instruction of the site incharge for wall foundation as per drawing, specification and instruction of site incharge	cu.m	20.69			
1.5	Providing and laying machine mixed pcc of nominal mix (1:3:6) for leveling course in foundation and under floor of building etc. in all level with broken stone aggregate of size not more than 25mm of approved quality including formwork where ever necessary dewatering ,batching ,mixing,transporting ,placing ,compacting ,curing including all lead and lift etc.. all complet as per drawing specification and the instruction of the engineer	cu.m	1.33			
1.6	Supplying, mixing, transporting, placing compaction protection leveling and curing M15(1:2:4) grade concrete with crushed aggregate for RCC work as per requirement all complet as per drawing specification and approval of engineer	cu.m	10.47			
1.7	Providing and laying M20 grade concrete (1:1.5:3) for RCC works, including mixing, transporting, placing, compaction, leveling, protection and curing, complete as per drawings, specifications and instructions of the Engineer-in-Charge.	cu.m	5.96			
1.8	Providing and fixing TMT 500 grade reinforcement steel bars for all RCC works including foundation, column, beam, wall, stair and slab, including straightening, cleaning, cutting, bending, placing and binding with 20 SWG annealed binding wire, including couplers where required, complete as per drawings, bar bending schedule, specifications and instructions of the Engineer-in-Charge.	kg	407.33			
1.9	Providing and constructing first-class chimney-bhatta brick masonry in cement-sand mortar 1:4, including proper mixing, laying in line and level, filling and packing of joints, curing and all necessary accessories, complete as per design, drawings, specifications and instructions of the Engineer-in-Charge.	cu.m	12.67			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.10	Providing and fixing iron chaukhat (1.5"*1.5" iron angle) for doors and windows including necessary MS hold fast as per drawing, specification and instruction of site incharge.	r.m	207.26			
1.11	Providing, supplying and fixing U.P.V.C. door comprising 80/50 mm U.P.V.C. door frame, 112/42 mm door sash, 9 × 100 mm panels, 1.5 mm galvanized steel reinforcement, and 5 mm clear glass of white colour, including all necessary U.P.V.C. profiles, reinforcement, glass, hardware, fittings, accessories, cutting, fabrication, fixing and fitting, labour, transportation and all other materials and works required to complete the installation in all respects as per drawings, specifications and instructions of the Site Engineer.	sq.m	3.19			
1.12	Providing and fixing 2mm iron plane sheet on sqare iron pipe panelled door shutter and window shutter with jack planes,fixing in position in perfect line and level and all necessary accessories all complete instruction of site incharge	sq.m	55.96			
1.13	Providing, supplying, fabricating and fixing of M.S. grill work for windows, comprising 8 × 8 mm solid square rods with 4.5 × 20 mm M.S. flat/metal frame, including cutting, welding, grinding, necessary clamps/holdfasts, fixing in position, two coats of red oxide primer/paint and all necessary materials, labour, tools and accessories, complete as per drawings, specifications and instructions of the Site Engineer.	sqm	34.80			
1.14	Providing and applying two coats of ready-mixed enamel paint over one coat of suitable primer on both sides of frames, panels and grills, including surface preparation, sanding and all necessary materials, complete as per specifications and instructions of the Engineer-in-Charge.	sq.m	134.30			
1.15	Applying 38 mm thick with M15 (1:2:4) grade screeding on floor with proper curing all complete as per specification and instruction of engineer	sq.m	240.53			
1.16	Applying 3mm thick cement punning on floor all complete as per specification and instruction of site incharge.	sq.m	271.43			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.17	Providing and applying 12.5 mm thick cement-sand plaster in 1:4 ratio on walls, floors, ceilling including raking of joints, surface preparation, wetting, proper finishing and curing, all complete as per specifications and instructions of the Engineer-in-Charge.	sq.m	1,080.85			
1.18	Applying two coat of weather coat paint of approved colour and shade over one coat primer on plaster surface including cleaning and scaffolding all complete as per specification and instruction of site incharge	sq.m	303.52			
1.19	Applying two coat of plastic emulsion paint of approved colour and shade over one coat primer on plaster surface including cleaning and scaffolding all complete as per specification and instruction of site incharge	sq.m	746.44			
1.20	Providing supplying and fixing of UPVC fixed ventilation with 1.5 mm galvanized reinforcement and 5 mm clear glass of white colour including all necessary UPVC profiles reinforcement glass fixing materials sealant fittings labour transportation and all other materials required for complete fixing and fitting as per drawings specifications and instructions of Site Engineer	sq.m	0.65			
1.21	Providing supplying fabricating and fixing of 16 gauge 202 grade stainless steel railing comprising three horizontal railing pipes of 1 inch diameter and 2 inch diameter handrail supported on vertical posts of 3 feet height and 1.5 inch diameter including cutting welding grinding polishing necessary fittings and fixing accessories labour transportation and all other materials and works required for complete installation as per drawings specifications and instructions of Engineer	r.m	17.99			
1.22	Supplying and laying of glazed or non glazed tiles in cement Sand mortar (1:4) ratio of approved colour and quality on wall and floor all necessary accessories complete as per design, drawing, specification & instruction of site incharge.	sq.m	18.59			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.23	Providing and fixing formwork, shuttering and centering using 19 mm thick waterproof plywood with wooden or steel posts, including necessary propping, scaffolding, staging, supports, wedging, cutting of holes and all necessary accessories, complete as per drawings, specifications and instructions of the Engineer-in-Charge.	sq.m	40.04			
1.24	Providing, supplying and installing 42-inch (1066 mm) high-speed ceiling fan with sleek and modern appearance, low-noise operation, comprising 3 blades, rated speed approximately 380 RPM, complete with suitable variable-length downrod, canopy, mounting arrangement, electrical connections, necessary accessories and fittings, testing and commissioning, of Almonard/Bajaj or equivalent approved make, all complete as per manufacturer's specifications and instructions of the Engineer-in-Charge.	nos.	12.00			
1.25	Providing, supplying and installing 300 Watt rotary type electronic fan speed regulator for ceiling fan, suitable for 220–240 V, 50 Hz AC supply, with smooth and continuous speed control, complete with suitable mounting plate, knob, terminals, wiring connections and all necessary accessories, of Wipro, Fiam, Philips or equivalent approved make, including testing and commissioning, all complete as per manufacturer's specifications and instructions of the Engineer-in-Charge.	nos.	12.00			
1.26	Providing, supplying and installing 4-gang, 1-way modular switch assembly comprising four numbers of 1-way switches, minimum 6A, 250V AC rating, complete with modular face plate, mounting frame, terminals, screws and all necessary accessories, including fixing, wiring connection, testing and commissioning, of approved make, all complete as per manufacturer's specifications and instructions of the Engineer-in-	nos.	7.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.27	Providing, supplying and installing 13–15A, 250V, 3-pin power socket outlet of modular type, complete with suitable PVC concealed box, face plate, mounting frame, terminals, screws and all necessary accessories, including fixing, wiring connection, testing and commissioning, of approved make, all complete as per manufacturer's specifications and instructions of the Engineer-in-Charge.	nos.	6.00			
1.28	Providing, supplying and installing 11 Watt LED bulb with B22 bayonet cap, suitable for 220–240V AC, 50Hz supply, providing minimum 900 lumens output, with high power factor and low energy consumption, complete with all necessary accessories, fixing and testing, of Philips / Wipro / Bajaj / Havells or equivalent approved make, all complete as per manufacturer's specifications and instructions of the Engineer-in-Charge.	nos.	8.00			
1.29	Providing, supplying and installing 12 Watt LED surface-mounted light fitting, suitable for 220–240V AC, 50Hz supply, with high-efficiency LED light source, minimum 1000 lumens, complete with LED driver, diffuser, housing, mounting arrangement, connectors and all necessary accessories, including fixing, wiring connection, testing and commissioning, of Philips / Wipro / Bajaj / Havells or equivalent approved make, all complete as per manufacturer's specifications and instructions of the Engineer-in-Charge.	nos.	8.00			
1.30	Providing, supplying and installing 6–32 Amp, SP (Single Pole) MCB, 230/240V AC, with suitable breaking capacity of minimum 6 kA, thermal-magnetic protection against overload and short circuit, complete with terminals, mounting accessories and all necessary fittings, of Schneider / Legrand / ABB / Hager or equivalent approved make, including fixing, connection, testing and commissioning, all complete as per manufacturer's specifications and instructions of the Engineer-in-Charge.	nos.	4.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.31	Providing and laying 1.5 sq.mm multi-strand flexible copper wire for power points, drawn through 3/4 inch HDPE polythene conduit, including all necessary accessories, connections, testing and commissioning, all complete as per site requirements.	r.m	360.00			
1.32	Providing and laying 2.5 sq.mm multi-strand flexible copper wire for light and fan points in 1/2 inch HDPE conduit pipe, including PVC accessories, laying, connections, testing and all complete as per site requirements.	r.m	315.00			
1.33	Providing, supplying and installing 580 × 440 × 300 mm white glazed porcelain Orissa pan, complete with necessary fittings, trap, connectors, fixing materials and accessories, of Hindware / Parryware / Classica / Bolan or equivalent approved make, including fixing, testing and all complete as per site requirements.	nos	1.00			
1.34	Providing, supplying and installing 50 × 40 cm white glazed porcelain wash basin, regular type, complete with swan-neck pillar cock, pedestal, waste coupling, bottle trap and necessary fittings/accessories, including fixing, testing and commissioning, all complete as per site requirements.	nos	1.00			
1.35	Providing and laying 50 mm dia PVC pipe, 4 kg/cm² pressure rating, complete with necessary PVC fittings, joints, solvent cement, clamps/supports and all accessories, including testing and commissioning, all complete as per site requirements.	r.m	20.00			
1.36	Providing and laying 75 mm dia PVC pipe, 4 kg/cm² pressure rating, complete with necessary PVC fittings, joints, solvent cement, clamps/supports and all accessories, including testing and commissioning, all complete as per site requirements.	r.m	20.00			
1.37	Providing and laying 110 mm dia PVC pipe, 4 kg/cm² pressure rating, complete with necessary PVC fittings, joints, solvent cement, clamps/supports and all accessories, including testing and commissioning, all complete as per site requirements.	r.m	20.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.38	Providing, supplying and installing 15 mm stainless steel bib cock, heavy-duty type, complete with necessary connectors, PTFE tape and fittings, including fixing, testing and commissioning, all complete as per site requirements.	nos	2.00			
1.39	Providing and laying 20 mm CPVC pipe, SDR 13.5 CTS, pressure rating 22.5 kg/cm², of FlowGuard or ISI-standard equivalent, complete with CPVC fittings, solvent cement, supports, joints and all necessary accessories, including testing and commissioning, all complete as per site requirements.	r.m	20.00			
1.40	Providing and laying 25 mm CPVC pipe, SDR 13.5 CTS, pressure rating 22.5 kg/cm², of FlowGuard or ISI-standard equivalent, complete with CPVC fittings, solvent cement, supports, joints and all necessary accessories, including testing and commissioning, all complete as per site requirements.	r.m	10.00			
1.41	Providing and installing 125 mm dia CP (chrome-plated) grating, complete with necessary fittings, fixing materials and accessories, including fixing and testing, all complete as per site requirements.	nos	1.00			
1.42	Providing, supplying and installing 20 mm CPVC ball valve with CTS socket connections, suitable for CPVC piping system, complete with necessary fittings and accessories, including fixing, testing and commissioning, all complete as per site requirements.	nos	1.00			
1.43	Providing, supplying and installing 25 mm CPVC ball valve with CTS socket connections, suitable for CPVC piping system, complete with necessary fittings and accessories, including fixing, testing and commissioning, all complete as per site requirements.	nos	1.00			
1.44	Providing, supplying and installing 1000 litre capacity PVC/HDPE water storage tank, UV-stabilized, food-grade, suitable for potable water, complete with lid, inlet, outlet, overflow and drain connections, necessary fittings and accessories, including fixing and testing, all complete as per site requirements.	nos	1.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.45	Supply and installation of stainless steel wall mixer, complete with hot and cold water inlet connections, wall flanges, handles, spout, necessary fittings and accessories, including all labour, materials, testing and commissioning, complete as per specifications and direction of the Engineer-in-Charge.	nos	1.00			
1.46	Supply and installation of stainless steel shower rose with adjustable sliding bar, complete with shower holder, flexible hose pipe, wall brackets, fixing accessories and all necessary fittings, including labour, installation, testing and commissioning, complete as per specifications and direction of the Engineer-in-Charge.	nos	1.00			
1.47	Supply and installation of chrome-plated soap tray, complete with wall fixing brackets, screws, fasteners and all necessary accessories, including labour, fixing and finishing, complete as per specifications and direction of the Engineer-in-Charge.	nos	2.00			
1.48	Supply and installation of chrome-plated towel rod of 1.5 × 60 cm size, complete with wall-mounted brackets, screws, fasteners and all necessary accessories, including labour, fixing and finishing, complete as per specifications and direction of the Engineer-in-Charge.	nos	1.00			

Total Item Price	
VAT (13.00%)	
Grand Total	