Bill of Quantities (BOQ)

Rapti Babai Campus Ma. Adhuro Bhawan Nirman Tulsipur-12, Dang

IFB No.: 3500056025/NCB/WORKS/SDDOD/01/083/084

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	85,000.00 Eighty-five thousand rupees only.	85,000.00 Eighty-five thousand rupees only.
PS.2	Carry out additional test for concrete, brick, re-bar etc materials and works as required and instructed by the Engineer	P.S	1.00	30,000.00 Thirty thousand rupees only.	30,000.00 Thirty 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				1,20,000.00 One lakh twenty thousand rupees only.

Building construction work
CPV: 45210000-2 - Building 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	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	102.89			
1.3	Providing and laying M15 grade concrete (1:2:4) using crushed aggregate 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	3.59			

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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 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	778.20			
1.5	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	17,203.42			
1.6	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	43.31			
1.7	Providing and fixing 100 × 75 mm thick Sal wood (Aagrakh) door and window frames (chaukat), including necessary tools, holdfasts, screws, hinges, nails and finishing works, complete as per drawings, specifications and instructions of the Engineer-in-Charge.	cu.m	1.22			
1.8	Providing supplying fabricating and fixing aluminium and glass facade using aluminium sections with nominal panel size of 500 x 500 mm including fixed and openable casement window panels made of the same aluminium section 5 mm clear glass aluminium frames and shutters hinges handles locking arrangements EPDM or rubber gaskets suitable brackets cleats screws fasteners weather resistant sealant and necessary accessories including cutting drilling fabrication assembly glazing anchoring to structural frame fixing and finishing complete in all respects as per approved drawings specifications and instructions of Engineer	sq.m	50.40			

Building construction work CPV: 45210000-2 - Building construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.9	Providing and fixing 38 mm thick Sal wood (Aagrakh) door and window panels, including specified designs/decorative patterns, screws, hinges, nails and necessary accessories, properly fitted in line, level and plumb with smooth operation, including finishing works, all complete as per drawings, specifications and instructions of the Engineer-in-Charge.	sq.m	4.25			
1.10	Supplying and fitting 4 mm thick casement (glass) on 38 mm × 75 mm sal wood frame including providing and fixing all necessary hardware such as hinges, handles, tower bolts, stoppers, screws, beads, and sealant, ensuring proper alignment, fitting, and finishing. The work shall be completed in a proper and workmanship-like manner as per specification, drawing, and instruction of the Engineer-in-charge, all complete.	sqm	24.44			
1.11	Providing and fixing 5 mm thick glass on the chowkhat, including wooden beading for proper fixing, finishing, and alignment, complete as per drawings, specifications, and instructions of the engineer in charge.	sqm	4.47			
1.12	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.	sqm	15.81			
1.13	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	sqm	3.96			

Building construction work CPV: 45210000-2 - Building construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.14	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	28.90			
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	181.24			
1.16	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	15.40			
1.17	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.	sqm	63.73			
1.18	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	926.74			
1.19	Applying two coat of weather coat paint of approved colour and shade over one coat of primer on plaster surface including cleaning and scaffolding all complete as per specification and instruction of site incharge	sq.m	217.55			

Building construction work
CPV: 45210000-2 - Building construction work

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.20	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	682.33			
1.21	Providing and applying white putty on wall and ceiling surfaces in uniform thickness, including surface preparation, cleaning, scraping, filling undulations, and making the surface smooth and even as per design, drawing, and specification. The work shall be completed in proper workmanship-like manner as per instruction of the Engineer-in-charge, all complete.	sq.m	682.33			
1.22	Applying 3mm thick cement punning on floor all complete as per specification and instruction of site incharge.	sq.m	205.07			
1.23	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	76.23			
1.24	Carefully dismantling handling shifting and re fixing of existing corrugated galvanized iron CGI tin sheets at the designated location including straightening and cleaning of sheets replacement or provision of necessary screws J bolts washers nuts and other minor fixing accessories proper overlapping and alignment cutting and adjustment wherever required and complete fixing to the existing roof truss purlins as directed by the Site Engineer including all labour tools tackles and incidental charges complete in all respects	Job	1.00			

Electrical machinery, apparatus, equipment and consumables; lighting
CPV: 31000000-6 - Electrical machinery, apparatus, equipment and consumables; lighting

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
2.1	Providing, supplying and installing 42-inch (1066 mm) high-speed ceiling fan with sleek and modern appearance, low-noise operation,	nos	10.00			

Electrical machinery, apparatus, equipment and consumables; lighting CPV: 31000000-6 - Electrical machinery, apparatus, equipment and consumables; lighting						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
	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.					
2.2	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	10.00			
2.3	Providing, supplying and installing 6-gang, 1-way modular switch assembly with suitable PVC concealed box, comprising six numbers of 1-way switches of minimum 6A, 250V rating, complete with modular face plate, mounting frame, terminals, screws and all necessary accessories, of approved make, including fixing, connection, testing and commissioning, all complete as per manufacturer's specifications and instructions of the Engineer-in-Charge	nos	6.00			
2.4	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	10.00			

Electrical machinery, apparatus, equipment and consumables; lighting CPV: 31000000-6 - Electrical machinery, apparatus, equipment and consumables; lighting						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
2.5	Providing, supplying and installing 2-gang, 1-way modular switch assembly comprising two 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-Charge.	nos	2.00			
2.6	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	20.00			
2.7	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	12.00			
2.8	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	40.00			

Electrical machinery, apparatus, equipment and consumables; lighting CPV: 31000000-6 - Electrical machinery, apparatus, equipment and consumables; lighting						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
2.9	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	16.00			
2.10	Providing, supplying and installing 8-way SPN flush-type distribution board, fabricated from 14/16 SWG mild steel sheet, double cover with push-type lock, complete with neutral and earth bars, cable entry arrangement, circuit identification and cable labeling, finished with two coats red oxide primer and two coats enamel paint, including all necessary fittings, fixing, connection, testing and commissioning, Nepal-made or equivalent approved make, all complete as per site requirements.	nos	2.00			
2.11	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			
2.12	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	360.00			
2.13	Providing and laying 4.0 sq.mm multi-strand flexible copper wire for power points through 3/4 inch HDPE conduit pipe, including all necessary accessories, connections, testing and commissioning, all complete as per site requirements.	r.m	180.00			

Construction work for pipelines, communication and power lines, for highways, roads, airfields and railways; flatwork CPV: 45230000-8 - Construction work for pipelines, communication and power lines, for highways, roads, airfields and railways; flatwork						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
3.1	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	4.00			
3.2	Providing, supplying and installing 46.5 × 35.5 × 26.5 cm white glazed flat-back male urinal, complete with flush valve/spreader, waste outlet, necessary fittings, fixing materials and accessories, of Hindware / Parryware / Cera or equivalent approved make, including fixing, testing and all complete as per site requirements.	nos	6.00			
3.3	Providing, supplying and installing 45 × 35 cm white glazed squatting plate urinal complete set, including flushing arrangement, waste outlet, trap, necessary fittings, fixing materials and accessories, including testing and commissioning, all complete as per site requirements.	nos	4.00			
3.4	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	4.00			
3.5	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			
3.6	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	30.00			
3.7	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	30.00			

Construction work for pipelines, communication and power lines, for highways, roads, airfields and railways; flatwork CPV: 45230000-8 - Construction work for pipelines, communication and power lines, for highways, roads, airfields and railways; flatwork						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
3.8	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	4.00			
3.9	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	42.00			
3.10	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	40.00			
3.11	Providing and laying 32 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	28.00			
3.12	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	8.00			
3.13	Providing, supplying and installing 32 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	2.00			
3.14	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			

Total Item Price	
VAT (13.00%)	
Grand Total	