Bill of Quantities (BOQ)

Construction of Boundary Wall and Sentry Post at Nepal Rastra Bank, Nepalgunj Office

IFB No.: 2100000/NRB/NEP/WORKS/NCB/02/083/84

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.1	Provision of insurance for the loss or damage to works, plant, material, equipment, property and injury or death of personnel as per General Condition of Contract up to the completion of the project.Contractors All Risks (CAR) Insurance premium for the works damage for contract work for all risk including Third Party Liability, Personal Injury, Personal Accident Insurance of Owner/Client, Construction Equipments for contract work for project period.	PS	1.00	1,00,000.00 One lakh rupees only.	1,00,000.00 One lakh rupees only.
	Total provisional sums				1,00,000.00 One lakh 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 clearence within the construction area including grass, vegetation, unnecessary electrical items all complete before and after construction work including disposing the waste materials away from the site as per instruction of Engineer	job	1.00			
1.60	Relocation Work: Disassemble, Shifting and Relocating the Existing Metal (Gate) at north side residence side at assigned location including all accessories with full installation to working condition all complete using necessary hardwares, metals and maintainance work if needed.	job	1.00			
1.61	Earth work in excavation in trenches, foundations etc. in hard soil including timbering & shoring, pumping out water from trenches if necessary, dressing of sides, stacking of excavated material at least 10 mtr as per instruction & disposing all surplus excavated materials all complete as per instruction of engineer.	cum	155.73			

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)**
1.62	Earth work in backfilling at trenches of excavated earth stacked soil in 150 mm layers by ramming & watering at required places as per instruction of engineer.	cum	62.29			
1.63	Chimney made first class Dry brick flat soling (one layer) in the foundation and floor in proper line & level including sand filling in joints all complete work as per instruction of Engineer, drawing & specification.	sqm	237.70			
1.64	Plain cement concrete 1:3:6 with OPC cement, sand and crushed aggregate with nominal reforcement including punning, protection of sides, laying , compacting, curing with all complete as per instruction of Engineer, drawing & specification.Make-Hongshi or Shivam or Sagarmatha or equivalent	cum	25.01			
1.65	First class Brickwork in boundary wall and security area near gate in (1:4) cement sand mortar with approved quality bricks in perfect line & level with necessary scaffolding including wetting the bricks, properly packing the joints & curing the works with all complete as per instruction of engineer.	cum	236.24			
1.66	Providing & laying structural concrete (M20 grade) in 1:1.5:3 with OPC cement, sand and crushed aggregate in any form, size, shape and level including mixing water proofing compound or admixture during concreting with cement punning all complete and as per instruciton of engineer, drawing & specification. Make-Hongshi or Shivam or Sagarmatha or equivalent	cum	73.30			
1.67	Providing erecting, fixing, striking, removing and clearing shuttering form works (using 12mm ply board) as specified height, for all concrete works including splays, ties, keys wedges, props, nails, bracings, brackets, cutting holes for passing embedment all complete as per instruction of Engineer,drawings and specification.	sqm	694.21			
1.68	Fixing torsteel reinforcement grade I conforming to I.S. 1786-1985 in RCC work including cleaning, cutting, bending, placing in position and binding with no.16 swg annealed binding wire all complete.Make-Panchakanya or Jagadamba or equivalent	KG	8,631.07			

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)**
1.69	Providing , fixing & fitting Tor Steel Jali with MS Angle Frame of 40 x 40 mm*3mm with 25mm*25mm MS Vertical Square bars @ spacing 100mm c/c with 3 nos of pointed peak on top and bracing 25*4mm thick MS flat and supported by 50mm dia MS tubular post along with moldeded steel cap at interval of 2m distance including sanding, red oxide and enamel paint with all complete & as per instruction of site engineer.	sqm	94.50			
1.70	Providing and laying 12.5 mm thick Cement Sand Plaster with 1:4 Cement mortar in brick walls including cleaning, wetting, scaffolding & curing all complete & as per instruction of engineer, drawing and specification.Make-Hongshi or Shivam or Sagarmatha or equivalent	sqm	1,585.40			
1.71	Two coat weather proof paint of approved colour with one coat primer on outside plaster surface including cleaning ,wetting and scaffolding all complete as per instruction of engineer, drawing and specification.(Make: Asian or Berger or Equivalent)	sqm	2,730.30			
1.72	Supplying & application of two coats of distemper paint over one coat of primer on interior wall surface of panels including scaffolding all complete. All works shall be done as per the instruction of site engineer. (Make: Asian or Berger or Equivalent)	sqm	497.75			
1.73	Applying two coats of ready made enamel paint of approved colour over 1 coats of primer Painting over porperly sanded wooden surface, metal gate and railings both inside and outside all complete and as per instruction of engineer.(Make: Asian or Berger or Equivalent)	sqm	333.26			
1.74	M.S.black pipe roof truss with I.S. or B.S. section including jointing, fixing, erection and primer painting with all necessary M.S. bed plates, shoe angles anchor bolts leas sheeting or cement grouting as per drawing and instructions, all complete .	kg	3,146.75			
1.75	Providing, fixing and fitting the Chequer plate (4mm thick) , includding cutting, welding, jointing and other necessary accessories all complete and as per instruction of Engineer, drawings and Specification.	sqm	56.40			

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)**
1.76	Supply , delivery and installment of anti-corrosive concertina wire (Razor Wire) of 600 mm diameter with thickness not less than 2.5mm coils above boundary wall fence with single roll wire stretch maximum upto 9ft, clip per turn minimum 4 nos, having blade size 12-60mm of material used hot dipped galvanized zinc coated tape with a thickness of > 0.55mm having double edge profile, symmetrical spikes with cutting edge compression of NS/ISO certified which is handle to carry,open and collapse the concertina coil , binding with GI wire with necessary accessories and fittings all complete and as per instruction of engineer.	rm	130.00			
1.77	Providing and fixing 0.5 mm colored CGI sheet roofing including fixing in proper shape & size with all necessary rails, screws, bolts & nuts washers, J & L hocks etc with all complete and as per drawing & instructionof engineer.(Make: Panchakanya or Hulas or Arati, or equivalent)	Sqm.	288.00			
1.78	Providing and fixing Ridge and slope roof edge cover of 0.5 mm thick Regular coloured CGI plain sheet with necessary fittings, all complete & as per instruction of engineer, drawing & specification.	rm	52.00			
1.79	Providing fixing & fitting 0.5mm coloured sheet for gutter 150 mm width of standard quality on roofing in proper shape & size including rails, screws, bolts, nuts washers, J & L hooks, brackets (40mm*3mm)etc in proper shape & size all complete & as per instruction of engineer, drawing & specification.	rm	54.00			
1.80	Providing 50 mm thick Screeding (1:2:4 or M15 grade) with OPC cement, sand and crushed aggregate in any form, size, shape on concrete floor finish level including mixing, laying, compacting, curing and finishing excluding centering shuttering and cost of reinforcement all complete and as per instruction of engineer. Make-Hongshi or Shivam or Sagarmatha or equivalent	Sqm.	79.00			

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)**
1.81	Providing 3mm thick 1:1 cement sand punning on screeding floor finish level and 120 mm high skiting including mixing, laying, compacting, curing and finishing excluding centering shuttering and cost of reinforcement all complete and as per instruction of engineer. Make-Hongshi or Shivam or Sagarmatha or equivalent	Sqm.	79.00			
1.82	Supplying,fitting fibre cement wall board (9 mm thick exterior &10 mm interior) exterior cum interior wall with 72 mm GI metal frames confinirming to IS 14862:2000 & Type A category IV of ISO 8336:1993, an all work complete as per instruction of site engineer. Make: Armstrong or boral or equivalent	Sqm.	27.75			
1.83	Providing and fixing 2 or 3 Panel Sliding window of aluminium section in naturally anodized or black anodized/powder coated color, Section size (87*56*1.2 mm) fitted with 5 mm clear glass without fly mesh shutter (Window size 6'*5' or average area 30 Sq. feet per window) all complete as per instruction of site Engineer (Make: Panchakanya or Hulas or wincraft or equivalent)	sqm	12.60			
1.84	Providing and fixing Single Panel Swing Door of aluminium section in naturally anodized or black anodized/powder coated color Section size (102*45*1.5 mm) fitted with 5 mm clear glass or 9 mm both side laminated board (including the cost of locks and handle) all complete or as per instruction of site engineer.(Make: Panchakanya or Hulas or wincraft or equivalent)	sqm	10.50			
1.85	Providing and fixing Partition of Aluminium Section in naturally anodized or black anodized colour Section size (102*45*1.5 mm) fitted with 5 mm clear glass or 9 mm both side laminated board including screws, nails, gaskets, silicon and all necessary hardware all complete and as per instruction of site engineer.	sqm	40.00			

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)**
1.86	Providing and fixing suspended gypsum board ceiling (straight, vertical & curved), with thickness no less than 12mm with exterior surface duly taped at all joints, leveled with calcium silicate compound, with surface prepared with POP/putty along entire area to receive one coats of Primer and two coats of Emulsion Paint. 3" GI Metal frames with suspension hangers with spacing no larger than 400mm screwed to the ceiling/walls & as per instruction of site engineer, drawing & specification. Sample must be approved from client before placing order. Armstrong or Boral or Shera or equivalent	sqm	112.00			
1.87	Supplying & Laying Porcelain glazed & non -glazed tiles (sizes of 300*300 GRES Vertifried) of standard quality, using tile adhesive materials (latex powder), water proofing compound with cement sand mortar in 1:4 ratio on wall & floor including cleaning, watering curing, polishing all complete or as per instruction of engineer. Make: Kajaria , somany or equivalent	sqm	67.21			
1.88	Providing and fixing of ACP Cladding on Wall (Exterior) 3 mm thick ACP (0.25 mm Al PVDF Core) on 25×38 mm Al Tube Framing all complete as per instruction of site Engineer.	Sqm.	40.00			
1.89	Water Supply Pipe Works: Supplying and fixing 25mm Dia. CPVC:- Chlorinated Poly Vinyl Chloride pipe or equivalent with CPVC fittings/ specials (Tees, elbows, Unions etc) clamps(m.s plate with nut and bolt with hexagonal screws for clamp in ceiling,wall), nails, including jointing materials, installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, pressure test etc all complete & as per instruction of site engineer, drawing & specification. MAKE: Flow guard, Panchakanya or ISI standard with NSF Mark	rm	65.00			

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)**
1.90	Water Supply Pipe Works: Supplying and fixing 20mm Dia. CPVC:- Chlorinated Poly Vinyl Chloride pipe or equivalent with CPVC fittings/ specials (Tees, elbows, Unions etc) clamps(m.s plate with nut and bolt with hexagonal screws for clamp in ceiling,wall), nails, including jointing materials, installation of pipes and specials including making holes on walls or floor and repairing the same to its original finish, pressure test etc all complete & as per instruction of site engineer, drawing & specification. MAKE: Flow guard, Panchakanya or ISI standard with NSF Mark	rm	60.00			
1.91	Soil Pipe Works: Supplying , fitting & laying 110mm dia HDPE solid waste pipeline conforming to NS 206-2046 with necessary fittings confirming to IS 206-2046 or equivalent, of the standard sizes in butt-welded or socketed joints , including necessary pipe sleeves in the walls, brackets, clamps, hangers etc of approved type also making holes pockets etc in walls or floors and making good the same to the original conditions, testing the pipe line with smoke for watertightness, rectifying the leakages all complete. MAKE: Panchakanya, Marvel or equivalent	rm	50.00			
1.92	Waste Pipe Works: Supplying , fitting & laying 110mm dia PVC waste water pipeline conforming to NS 206-2046 (6kg/cm2) with necessary fittings confirming to IS 206-2046 or equivalent, of the following sizes in butt-welded or socketed joints , including necessary pipe sleeves in the walls, brackets, clamps, hangers etc of approved type also making holes pockets etc in walls or floors and also includes removing of existing pipe lines if necessary and making good the same to the original conditions, testing the pipe line with smoke for watertightness, rectifying the leakages all complete as per instruction of site engineer, drawing & specification. MAKE: Panchakanya, Marvel or equivalent	rm	52.00			

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)**
1.93	Waste Pipe Works (For wash basin waste): Supplying , fitting & laying 50mm dia PVC waste water pipeline conforming to NS 206-2046 (6kg/cm2) with necessary fittings confirming to IS 206-2046 or equivalent, of the following sizes in butt-welded or socketed joints , including necessary pipe sleeves in the walls, brackets, clamps, hangers etc of approved type also making holes pockets etc in walls or floors and also includes removing of existing pipe lines if necessary and making good the same to the original conditions, testing the pipe line with smoke for watertightness, rectifying the leakages all complete as per instruction of site engineer, drawing & specification. MAKE: Panchakanya, Marvel or equivalent	rm	25.00			
1.94	Water Closet Set (Commode Type): Providing & fixing in position Single Piece European pattern water closet (EPWC) syphonic Commode with S or P type white glazed earthernware with porcelain clay dual flush cistern , with bakelite seat cover with soft closure hinges, nuts, bolts, ceramic flushing cistern with PVC accessories with knob/push button flush lever 450mm long 15mm dia connector pipe with 15mm dia. CP angle cock, CP flush pipe and CP commode spray etc as per drawings, specification/schedule of finishes & approval by site Engineer. (Make: Jaquar, Somany or equivalent)	set	4.00			
1.95	Urinal set: Providing and fixing white glazed (45x35)cm Squatting Plate Urinal set with back water inlet with all necessary accessories all complete as per specification and instruction of engineer. Sample must be approved from client or engineer before placing order. (Make: Jaquar, Somany or equivalent)	set	4.00			
1.96	Urinal Partition set: Providing and fixing 68x30cm size White Glazed Urinal Partation with all complete set.. (Make: Jaquar, Somany or equivalent)	set	3.00			
1.97	Wash Basin set: Supplying and fixing fine ceramic wall hung single piece wash basin with pedestal ((500-600)mm * (400-500)mm), with necessary accessories including angle valve with wall flange etc all complete and as per instruction of engineer. Sample must be approved from client or engineer before placing order. (Make: Jaquar, Somany or equivalent)	set	4.00			

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)**
1.98	Wash Basin Faucet set: Supplying and fixing basin faucet all complete as per instruction and approval of engineer. (Make: Jaquar, Somany or equivalent)	set	4.00			
1.99	Bib cock set: Supplying and fixing of 15mm cp bib cock with wall flange all complete as per instruction and approval of engineer. (Make: Jaquar, Somany or equivalent)	set	5.00			
1.100	Angle valve: supplying and fixing of 15mm cp angle valve with wall flange all complete as per instruction and approval of engineer. (Make: Jaquar, Somany or equivalent)	set	12.00			
1.101	Floor Trap set: Supplying & fixing floor trap consisting of; PVC / Stainless steel / Cp floor trap rectangular/circular in shape with or without multiport inlets of dia 50 mm and out let of 75 mm size having seepage flange of Prince or Supreme or equivalent.	set	7.00			
1.102	Mirror set: Supplying & fixing 6mm thick and (30-45)*(50-60) cm size looking mirror with CP screw and clips as per approval & instruction of engineer all complete.	set	4.00			
1.103	Glass Shelf set: Supplying & fixing 60cm long glass self with cp rail including screw and clips as per approval & instruction of engineer all complete.	set	4.00			
1.104	Supplying & fitting glass soap tray (heavy) all complete.	set	4.00			
1.105	Toilet Paper Holder set: Supplying & fitting of chrome plated toilet paper roll holder with lid all complete as per instruction of engineer.	set	4.00			
1.106	Towel Rail set: Supplying & fitting Stainless Steel Towel Rod (towel rail) of length 45 cm all complete as per instruction of engineer. (Make: Jaquar, Somany or equivalent)	set	4.00			

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)
1.107	Supply, delivery and installation of 12W LED compound wall light including wiring as per instruction of the engineer. 2x3/22 swg PVC insulated copper wire should be used for the wiring. The wiring should be concealed, laid inside the PVC pipe inside the false ceiling and walls connected to the switch, light and Distribution Board all complete and as per instruction of engineer. Make: Wipro, Ligero or Equivalent	set	5.00			
1.108	Supply, delivery, wiring and installation of 12W LED conceal type panel light on the ceiling including wiring all complete as per drawing and instruction of the engineer. 2x3/22 swg PVC insulated copper wire should be used for the wiring. The wiring should be concealed, laid inside the PVC pipe inside the false ceiling and walls connected to the switch, light and Distribution Board all complete and as per instruction of engineer.	set	22.00			
1.109	Supply, delivery, wiring and installation of 100W LED flood light having IP67 protection against dust and water including wiring all complete . The necessary wiring should be concealed, laid inside the PVC / HDPE pipe connected to the switch, and Distribution Board all complete and as per instruction of engineer.	set	10.00			
1.110	Supply, delivery and installation of 16"-18'' Wall Mounted Fan including dimmer and wiring as per instruction of the engineer. 2x3/22 swg PVC insulated copper wire should be used for the wiring. The wiring should be concealed, laid inside the PVC pipe inside the false ceiling and walls connected to the switch ,dimmer, fan and Distribution Board all complete and as per instruction of engineer. Make : Crompton, Philips or equivalent	set	3.00			
1.111	Supply, delivery and installation of 4 gang switch with metal box (conceal type) as per instruction of the engineer. Make: NorthWest/Legrand/Bajaj or equivalent	set	4.00			
1.112	Supply, delivary and installation of 6 gang switch with metal box (conceal type) as per instruction of the engineer. Make: NorthWest/Legrand/Bajaj or equivalent	set	3.00			

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)**
1.113	Supply, delivery and installation of 6/16A switch-socket with metal box (conceal type) including wiring as per instruction of engineer. 2x7/22 + 1x1/18 swg PVC insulated copper wire should be used for the wiring. The wiring should be concealed, laid inside the PVC pipe inside the false ceiling and walls connected to the switch-sockets and Distribution Board all complete and as per instruction of engineer. Make: NorthWest/Legrand/Bajaj or equivalent	set	8.00			
1.114	Supply, delivery and installation of 415V, 6/16A SP MCBs of reputed brand as per instruction of engineer. Make: Havells or equivalent	set	20.00			
1.115	Supply, delivery and installation of 1.5 ton, heating & cooling, wall mount type inverter type air conditioner including outdoor-unit-bracket, copper pipe, drain pipe, wiring, insulator and other necessary accessories all complete & as per instruction of site engineer, drawing & specification. The Air Conditioner should have: Refrigerant: R-32 Compressor Type: Rotory or Scroll Make Brand: LG or Samsung or Daikin or equivalent	set	1.00			
1.116	Power Point Wiring for Air Conditioner: Power point wiring from DB to Air Conditioners in the wall with 2x2.5 mm^2 + 1x1.5 mm^2 PVC insulated copper wire all complete as per drawing and instruction of the engineer. The wires should be run through PVC listy and HDP pipe as per site condition and should be concealed inside the floor/ ceiling.	pts	3.00			
1.117	Relocation and installation of existing wall/ceiling mount type Air Conditioners from one location to other within office premises including refrigerant refill ,duct pipe,copper pipes etc all complete as per instruction of engineer.	set	3.00			

Total Item Price	
VAT (13.00%)	
Grand Total	