



Government Of Nepal
National Reconstruction Authority
Central Level Project Implementation Unit (CLPIU)
(Grant Management and Local Infrastructure)
Earthquake Monastery Reconstruction Section
Jwagal, Lalitpur, Nepal



Abstract of Quantity of Main Gumba

Project: Reconstruction Of Monasteries (Type Design)

Site: Nepal (for 1200 Sqft Plinth Area SS)

S. N.	Spec./ Ref	Description	Total Quantity	Unit	Rate/ Unit	Total Amount
A		GENERAL WORKS				
1		Provide insurance for the loss of damage to works, plant, material, equipment, property and personnel injury or death as per specification and instruction.	1.00	PS	92,779.69	92,779.69
2		Provision of laboratory tests as required and order outside the project Laboratory as per the specification and instructions of the Site engineers.	1.00	PS	18,849.00	18,849.00
3		Provide , erect and maintain project site notice boards as per instruction of Site engineer and specification all complete.	1.00	PS	17,553.60	17,553.60
4		As Built Drawing of project (civil, electrical, sanitation in 1:100 scale 5 sets hard copy including digital copy as per the instruction of the Site Engineer	1.00	PS	40,033.40	40,033.40
		Total Works of A				169,215.69
B		CIVIL WORKS				
1		Site clearance				
1.1		Site clearance before and after completion of work including disposing the remaining construction materials & plants & making the site in working condition all complete as per instruction of site Engineer.	212.85	Sqm		
2		Earthworks				
2.1		Earthwork in excavation in hard/boulder mix soils in foundation including 10m hauling distance and 1.5 m. lift all complete as per design, drawing, specification and instruction of site Engineer.	127.39	Cum		
2.2		Earthwork backfilling in 150 mm layers by ramming & watering at required places as per instruction & disposing all surplus excavated materials within the site as per design, drawing, specification and instruction of site Engineer all complete.	59.82	Cum		
2.3		Flat dry brick soling on flat in foundation and floor including sand filling in joints, leveling, ramming etc. with sand as per design, drawing, specification and instruction of site engineer	136.95	sq.m.		

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2.4		Earth filling in 150 mm thick layer, watering, ramming including supply of filling materials all complete.	28.31	Cum		
3		PCC Works				
3.1		Plain cement Concrete (PCC) in 1:2:4 ratio for foundations, flooring and walls with supplying of approved quality of cement and sand and crushed stone aggregate including mixing, laying, curing etc. all complete in approval of site engineer.	9.71	Cum		
4		PCC for RCC Works				
4.1		Plain cement Concrete (PCC) for RCC works (1:1.5:3) for slab/lintels with supplying of approved quality of cement and sand and crushed stone aggregate including mixing, laying, curing etc. all complete in approval of site engineer.	56.87	Cum		
5		Reinforcement Works				
5.3		Supplying of Tor steel reinforcement bar of fe 415/500 grade including straightening, cleaning, cutting, binding & fixing in position with annealed tying binding wire as per drawing, design & instruction all complete.	8288.81	Kg		
6		Form Works				
6.1		Formwork, shuttering, centering with approved materials for Foundation works necessary propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.	21.40	Sqm		
6.2		Formwork, shuttering, centering with approved materials for column and beam necessary propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization till the support if fully unyielding nett.	486.06	Sqm		
7		Stone Masonry Works				
7.1		Providing and laying Rubble masonry in 1:6 C/S mortar in perfect line level finish including, racking the joints and curing the work for at least 7 days all complete.	22.22	Cum		

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8		Brick Works				
8.1		Brickwork in cement sand mortar (1:4) in Superstructure (Ground Floor) with supplying of approved quality first class chimney burnt bricks, in perfect line and level including soaking bricks in water, provision for recesses, openings, toothings, packing the joints and curing the work in all types and thickness of wall as per specification, drawing and instruction of Site Engineer, all complete.	32.95	Cum		
8.2		Brickwork in cement sand mortar (1:4) above Ground Floor level with supplying of approved quality first class chimney burnt bricks, in perfect line and level including soaking bricks in water, provision for recesses, openings, toothings, packing the joints and curing the work in all types and thickness of wall as per specification, drawing and instruction of Site Engineer, all complete.	21.23	Cum		
9		Plaster Works				
9.1		12.5mm thick cement sand plaster in (1:4) ratio on wall with good finish including supplying of approved quality of cement & sand, racking the joint, Chipping the concrete surface, wetting of surfaces & curing the work all complete including necessary single or multiple stage scaffolding at all heights. as per the design, drawing, specification and instruction of site engineer.	571.35	Sq. m		
9.2		12.5mm thick cement sand plaster in (1:3) ratio on ceiling with good finish including supplying of approved quality of cement & sand, chipping the concrete surface, wetting the surfaces & curing the work all complete including necessary single or multiple stage scaffolding at all heights. as per the design, drawing, specification and instruction of site engineer.	99.37	Sq. m		
10		Flooring Works				
10.1		Flat brick soling on flat in foundation and floor including sand filling in joints, leveling, ramming etc. with sand as per design, drawing, specification and instruction of site engineer	111.92	sq.m.		

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S. N.	Spec./ Ref	Description	Total Quantity	Unit	Rate/ Unit	Total Amount
10.2		75mm thick P.C.C. (1:2:4) for flooring with supplying of approved quality of cement & sand and crushed stone aggregate including mixing, laying and compacting and curing etc. all complete as per design, drawing, specification and instruction of site Engineer	111.92	Sqm		
10.3		Supplying and laying of one layer of 500 gauge Polythene sheet on prepared surface	98.55	Sqm		
10.4		50 mm thick (1:2:4) concrete screeding work with water proof compound including mixing laying and rubbing with steel trowel to a hard, smooth and shining surface and curing all complete.	197.79	Sqm		
		Floor Finishing Works				
10.5		Providing and Laying 3 mm thick cement sand punning on floor, skirting, dado etc., including mixing laying and rubbing with steel trowel to a hard, smooth and shining surface and curing all complete.as per specification, drawing and instruction of Site Engineer.	248.33	sq.m.		
10.6		Providing and laying 8 mm thick glazed/nonglazed ceramic tiles (Spartek, Kajaria, or approved equivalent) of approved shade, size and pattern on Skirting, parapet wall top and floor in perfect line and level on 12.5 mm thick base cement sand mortar (1:4) and jointed with cement slurry mixed with pigment to match the shade of the tile including adhesive chemical all complete as per specification, drawing and instruction of Site Engineer.	104.57	Sq.m		
11		Door / Windows				
11.1		Suppling and fixing Salwood chaukhat frame works for doors & windows as approved by site engineer , the timber shall be matured, seasoned free from wraps. Knots holes and other defects all complete.	1.21	Cum		
11.2		Making and fitting, fixing sal wood Panelled door shutter with 38 mm thick sal wood frame including all necessary hardware fitting all complete.	6.21	Sqm		
11.3		Supply and fixing of Aluminium sliding windows of section (88 x38 x1.1) all complete.as per specification, drawing and instruction of Site Engineer.	24.75	sq.m.		

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S. N.	Spec./ Ref	Description	Total Quantity	Unit	Rate/ Unit	Total Amount
12		Painting Works				
12.1		Providing and Coloring with two coat distemper paint with one coat primer to give uniform coloring after rendering the surface all complete. As per instruction of site Engineer	306.06	Sqm		
12.2		Providing and applying two coats of weather proof exterior emulsion paint of approved brand and color on the external facade with one coat of primer including preparation of surface through cleaning as per specification and making good all small holes of nails, open joints and minor defects of every kind after application of primer coat as per specification and instruction of Site Engineer.	364.66	Sq.m.		
12.3		2 coats of ready made enamel paint of approved colour over 1 coats of primer Painting over properly sanded wooden surface all complete for door	18.46	Sqm		
13		Railing Works				
13.1		Making and fitting fixing of stainless steel pipe railing with 38mm.dia.stainless steel pipe handrail 2 row 25mm.dia.stainless steel pipe in between handrail and floor and 38mm.dia.stainless steel pipe for vertical post @ 2m. c/c including welding , cutt all complete.as per specification, drawing and instruction of Site Engineer.	15.03	Sq.m.		
14		Roofing Works				
14.1		Fabrication and fixing of I.S. or B.S. Standard iron section with one coat primer painting all complete	334.45	kg		
14.2		Supplying of 0.50mm color CGI sheet roofing including fixing in proper shape & size with all necessary rails, screws, bolts & nuts washers, J & L hocks etc. as per drawing & instruction all complete.	27.60	Sq.m		
14.3		Supplying of 0.50mm Color GI plain sheet for gutter on roofing including fixing in proper shape & size with all necessary rails, screws, bolts & nuts washers, J & L hocks etc. as per drawing & instruction all complete.	20.40	R.m		

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S. N.	Spec./ Ref	Description	Total Quantity	Unit	Rate/ Unit	Total Amount
14.4		Supplying of 0.50mm color GI plain sheet for ridge cover on roofing including fixing in proper shape & size with all necessary rails, screws, bolts & nuts washers, J & L hocks etc. as per drawing & instruction all complete.	6.08	Sq.m.		
		Total Works of B				
C		ELECTRICAL WORKS				
1		DISTRIBUTION BOARDS				
1.1		DISTRIBUTION BOARDS (Breaker make Schneider , L& T or Equivalent) Supply, installation, testing and commissioning of factory fabricated and factory assembled, sheet steel clad powder coated, wall/recess mounting dust and vermin proof double door vertical type Distribution Boards fabricated from 16 guage sheet . 20 Ways SPN DB for Ground Floor Incoming 1 No 32 A P MCB 10 kA 1 No. 25 A DP MCB Outgoings 14 No 6/16 A SP MCB Invertor Back Up	1.00	Set		
2		Power Cables,End Termination, Raceways				
		Power Cables(Pioneer, Mahalaxmi, Trishakti make)				
		Supply unloading, storing, handling, laying, testing & commissioning of the 1100 Volts PVC/XLPE insulated PVC sheathed/ XLPE cable in indoor trenches/ Indoor & outdoor cables tray/ cable rack/ clamps iron supports including suitable size of PVC conduits with required accessories as per specifications, inclusive of all clamps/ saddles/ screws/ cables identification tages (made of GSS sheets) etc. as required, but exclusive of supply & fixing of cable trays.	0.00	rm		

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2.1		3 core 6 sq.mm PVC insulated copper unarmoured Cable for DB main.				
3 3.1		Point Wiring(Switch socket make : Schneider or equivalent, Wire make: Pioneer, Mahalaxmi, Trishakti make) 6/16 A twin Power point wiring Supplying, wiring, testing and commissioning and putting into operation for 6/16 A and 13 A power point using 2 x 4 sq mm + 1 x 2.5 Sq mm stranded copper conductor, 1100 volts grade, PVC insulated wires drawn through HDP conduit, cable sleeve/support but including specified dia pipes concealed in wall and floor/false ceiling including all fixing and connecting materials. The rate for point wiring shall include the circuit wiring from designated Distribution Board (DB) up to the first power point then the looping between sockets. The cost shall be including modular formation twin switch sockets and their flushing GI box, cutting and filling chases for recessed pipes as deemed as per drawing and lay out plan all complete. (Average Length=12 m)	10.00	points		
3.2		Light point Wiring Supplying, wiring, testing and commissioning and putting into operation for one way and two way light point wiring using 2 x 2.5 sq mm + 1 x 1.5 Sq mm stranded copper conductor, 1100 volts grade, PVC insulated wires drawn through HDP conduit, cable sleeve/support but including specified dia pipes concealed in wall and floor including all fixing and connecting materials. The rate for point wiring shall include the circuit wiring from designated Distribution Board (DB) up to the first power point then the looping between sockets. The cost shall be including modular formation switch, and their flushing GI box and GI fish wire, cutting and filling chases for recessed pipes as deemed as per drawing and lay out plan all complete. (Average Length 8 m)	13.00	points		

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S. N.	Spec./ Ref	Description	Total Quantity	Unit	Rate/ Unit	Total Amount
3.3		1 Ton Single Split AC/Water heater Point Wiring	4.00	points		
		Supplying, wiring, testing and commissioning and putting into operation of 1/Ton single AC /WH Point wiring as a designated circuit from specified AC DB with 2 x 4 + 1 x 2.5 sqmm multi stranded PVC insulated copper cable including 20 mm dia HDP conduit. The cost shall be including modular formation industrial socket sockets/top and their flushing GI box but including GI fish wire, cutting and filling chases for recessed pipes as deemed as per drawing and lay out plan all complete.				
4		Light Fixtures/Luminaires & Accessories Supply, storing, assembling, installation, testing and commissioning of wall/ceiling, surface/recessed, suspended types LED lighting fixtures including LED Driver all fixing and connecting materials all complete. (Make - Wipro, Philips)				
4.1		9 W LED CIRCULAR Dome Light having CRI>80, Efficiency>85%, Temperature Range 3000-4000K and die-cast aluminium housing with white powder coated finish.	8.00	Nos		
4.2		15 watt LED wall decorative Light complete set	13.00	Nos		
4.3		Supply and Install 42" Ceiling Fan	4.00			
5		Earthing system EARTHING SYSTEMS Supply, installation, testing and commissioning of following types of Maintenance Free compound earthing stations by means of 2 meter long, 50 mm dia intergrated with 100x32x6 mm terminals filled with earth enhancing compound in required quantity all complete with 300 x300 x450 mm masonry enclosure with pre cast cover. All earthing arrangements must comply with IS-3043. The resistivity should be below 3 ohm.				
5.1		Copper electrode.	1.00	No		
Total Works of C						

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S. N.	Spec./ Ref	Description	Total Quantity	Unit	Rate/ Unit	Total Amount
D		SANITARY WORKS				
1		Supply and Install 110 mm UPVC Rainwater down pipe including Screen, Inlet and all required fittings & accessories all complete as per engineer instruction	30.00	Rm		
2		Supply and Install 150 mm HDP Pipe 4kgf. including required all accessories all complete as per engineer instruction	40.00	Rm		
		Total Works of D				
E		Others Component				
1		Providing and Fixing Chatras (placed on corners of parapets. Made up of Fibre moulding.) Diameter= 1'-6" Height= 2'-8"	4.00	Nos.		
2		Providing and Fixing Gajur (main) Placed on top of main sloped roof Diameter=0'-6" Height= 2'-6" Made up of Fibre moulding	1.00	Nos.		
3		Providing and Fixing Gajur (secondary) Placed on top of main sloped roof of secondary entrance . Diameter=0'-6" Height= 1'-6" Made up of Fibre moulding	1.00	Nos.		
4		Providing and Fixing Dharmachakra and 2 deers (Placed above the entry porch. Made up of concrete moulding.) Two nos of deers placed above the entry porch. Made up of Fibre moulding. Diameter= 1'-6" Height= 3'-6" Length= 2'-6" Height= 2'-0" breath= 1'-0"	1.00	Nos.		
5		Providing and fixing Dragons Placed on corners of pagodas. Made of metal moulding Length= 1'-6" breath= 1'-0" Made up of Fibre moulding	4.00	Nos.		
		Total Works of E				

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F		Miscellaneous Works				
1		Providing and Fixing 9 Kg BC/ABC type Dry Powder Fire Extinguisher Attack fire Brand or equivalent Type of Fire: BC/AB&C	2.00	Nos.		
		Extinguishing Type: Stored Pressure Extinguishing Media Dry Powder: (Mono Ammonium Phosphate/Sodium-bi-carbonate) IS: 4308 / IS: 14609 Pressured with N2 Gas				
		Total Works of F				

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