

DETAILED ESTIMATE AND BOQ

Preparation of Master Plan and Detailed Project
Report of Renovation of Sita Kunda Temple,
Community Building and Tourism Park in
Ghodaghodi Municipality Sukhad, Kailali

VOLUME III : DETAILED ESTIMATION & BOQ



Submitted to:
Ghodaghodi Municipality
Sukhad, Ghodaghodi

Submitted By:
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Jun-24

Government of Nepal

Ghodaghodi Municipality
Sukhad, Kailali

Cost Estimate Summary Chart

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

S.N	Description of work	Amount	Remarks
A	Building and Land Development Cost		
i	Civil Works	82,399,182.68	
ii	Electrical Works	2,976,430.88	
iii	Water supply and Sanitary Works	6,619,181.11	
	Sub Total A	91,994,794.67	
B	5 % contingencies of E Total Rs	4,599,739.73	
C	13% VAT of G Total RS	11,959,323.31	
	Grand Total	108,553,857.71	

In words : NRs Ten Crores, Eighty Five Lakhs, Fifty Three Thousand, Eight hundred, Fifty seven rupees and seventy one paisa only

Estimate By :-

Checked By :-

Approved By :-

Government of Nepal

Ghodaghodi Municipality Sukhad, Kailali

Blockwise Summary Chart

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

S.N	Description of work	Civil	Electrical	Sanitary	Total Amount	Remarks
A	Building and Land Development Cost					
1	Site Development	15,089,902.82	1,016,787.88	2,237,460.28	18,344,150.98	
2	Community Building	16,847,544.91	410,016.93	-	17,257,561.84	
3	Temple and Sita kuwa	1,095,158.95	-	-	1,095,158.95	
4	Ticket Counter	1,196,015.74	85,024.97	-	1,281,040.71	
5	Gazebo Shed	5,415,839.13	-	-	5,415,839.13	
6	Guard House	998,262.21	62,570.83	152,736.54	1,213,569.58	
7	Chautari	1,109,964.66	-	-	1,109,964.66	
8	Central Flag space	1,785,572.62	28,734.02	-	1,814,306.64	
9	Aarati Space	1,696,489.13	49,665.48	-	1,746,154.61	
10	Museum plaza	8,439,156.95	654,672.90	-	9,093,829.85	
11	Water pond	3,545,862.76	-	384,451.91	3,930,314.67	
12	Pavillion	3,680,780.20	-	-	3,680,780.20	
13	Main gate	3,820,858.59	-	-	3,820,858.59	
14	Toilet	10,052,379.98	570,199.12	1,375,561.96	11,998,141.06	
15	Generator House	1,504,086.23	83,067.01	-	1,587,153.24	
16	Water tap	298,328.64	-	813,263.44	1,111,592.08	
17	Underground water tank	2,215,443.73	15,691.74	181,162.78	2,412,298.25	
18	Overhead water tank	1,611,334.89	-	965,668.68	2,577,003.57	
19	Septic tank, Soak pit and manhole	1,996,200.54	-	508,875.52	2,505,076.06	
	Sub Total A	82,399,182.68	2,976,430.88	6,619,181.11	91,994,794.67	
B	5 % contingencies of A Total Rs				4,599,739.73	
C	13% VAT of G Total RS				11,959,323.31	
				Grand Total	108,553,857.71	

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Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

Bill of Quantity

Item No.	Description	Unit	Quantity	Rate in No.	Rate in Words	Amount (NRs.)	Remarks
	CIVIL WORKS						
1.0	SITE CLEARANCE AND LAYOUT						
	Clearing the site by removing the bushes, trees, concrete pavement and hard surface whatever at site up to its root depth including the layout work, marking the trench, construction of permanent reference points along each grid precisely in line and level and including construction of all necessary staff and labor facilities.	Sq.m	8,669.66				
2.0	EARTHWORK IN EXCAVATION	-	-				
	Excavation in foundations in all type of soils for foundation, trenches, footing, pits etc. to the required depth including dewatering by manual or mechanical means etc. as per specifications with all contractor's own machinery and equipment's, providing crossing of track, shoring, strutting, timbering and buttressing with appropriate materials and all such measures necessary to retain in position the sides of the foundation pit and including refilling the excavated material with watering, ramming, leveling the site and disposing off the surplus/unusable earth within 50m all complete as per drawings, specifications and instructions of the Engineer.	Cu.m	3,012.23				
3.0	BACK FILLING & DISPOSAL OF EXCESS SOIL	-	-				
3.1	Back filling in foundation and sides of foundation with approved soil obtained from the excavation at site and stacked at site or brought from outside in layer not exceeding 30 cm thick (compacted thickness) including transportation of soil, spreading in required line and level, sprinkling water, ramming, compacting with mechanical rammers, testing, etc., all complete as per drawing, specification and instructions of the Engineer.	Cu.m	2,044.93				
4.0	BRICK/BOULDER SOLING	-	-				
4.1	Providing and soiling with first class chimney made brick on flat in floor of building as per drawings, specification and instruction of the consultant/Engineer, all complete.	Sq.m	6,040.97				

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Bill of Quantity

Item No.	Description	Unit	Quantity	Rate in No.	Rate in Words	Amount (NRs.)	Remarks
4.2	Providing and laying uncoursed hand packed Dry Rubble Stone soling in foundation, floors of building, retaining wall, steps and ramps with out any special dressing of stone including filling interstices with suitable quarry waste or stone chips or quarry sand, watering, compacting using appropriate mechanical compaction means with all contractors materials, handling, placing etc. all complete as per drawings, specifications and instruction of the Engineer. The complete item including all lead & lift.	Cu.m	429.16				
5.0	SAND FILLING	-	-				
	Filling sand in floor by sprinkling of water and compaction by labour including lead from 30 m distance as per drawing specification and instruction of the Consultant/Engineer all complete.	Cu.m	133.01				
6.0	GRAVEL FILLING	-	-				
	Filling gravel in floor by sprinkling of water and compaction by labour including lead from 30 m distance as per drawing specification and instruction of the Consultant/Engineer all complete.	Cu.m	168.00				
7.0	500 MICRON POLYTHENE SHEET	-	-				
	Supplying and laying 500 micron tear proof good quality polythene above the compacted brick soling. The overlapping of the sheet must be more than 230mm in all side to prevent moisture throught it. The cost should be inclusive of all material and labour cost, as per design drawing, specification and instruction of the Engineer, all complete.	Sq.m	283.19				
8.0	BRICK/ STONE MASONRY WORKS	-	-				
8.1	BRICK MASONRY WORKS (1 : 6 c/s) UPTO GF	-	-				
	Providing and laying first class chimney fired brick one or more brick thick wall in cement mortar 1:6 (1 cement : 6 coarse sand) in foundation up to ground floor including the cost of single or multi stage scaffolding, soaking bricks, curing, raking joints, provision for recesses, openings, toothing etc., all complete as per drawing, specifications and instructions of the Engineer.	cu.m	695.62				
8.2	BRICK MASONRY WORKS (1 : 6 c/s) ABOVE GF	-	-				
	Providing and laying first class chimney fired brick one or more brick thick wall in cement mortar 1:6 (1 cement : 6 coarse sand) above ground floor including the cost of single or multi stage scaffolding, soaking bricks, curing, raking joints, provision for recesses, openings, toothing etc., all complete as per drawing, specifications and instructions of the Engineer.	Cu.m	78.99				
8.3	BRICK MASONRY WORKS (1 : 4 c/s) UPTO GF	-	-				
	Providing and laying first class chimney fired brick one or more brick thick wall in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation up to ground floor including the cost of single or multi stage scaffolding, soaking bricks, curing, raking joints, provision for recesses, openings, toothing etc., all complete as per drawing, specifications and instructions of the Engineer.	Cu.m	82.07				

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Item No.	Description	Unit	Quantity	Rate in No.	Rate in Words	Amount (NRs.)	Remarks
8.4	STONE MASONRY WORKS (1:6 c/s)	-	-				
	Providing and laying Random Rubble stone masonry works in foundation upto plinth in 1:6 (1 cement : 6 sand) cement mortar including providing through/bond stone at required interval including providing single or multi-stage self standing scaffolding, curing, protection, etc., all complete as per drawings, specifications and instruction of the engineer.	Cu.m	730.07				
9.0	CONCRETE WORKS	-	-				
9.1	P.C.C (1:3:6) Works	-	-				
	Providing and laying machine mixed Plain Cement Concrete of nominal mix 1:3:6, (1 cement : 3 sand : 6 coarse aggregate) M10 grade for leveling course in foundations and under floor of building, etc. in all level with broken stone aggregate of size not more than 25 mm of approved quality including formwork wherever necessary, dewatering, batching, mixing, transporting, placing, compacting, curing, including all lead and lift, etc. all complete as per drawings, specifications and the instructions of the Engineer.	Cu.m	372.62				
9.2	P.C.C (1:2:4) Works	-	-				
	Providing and laying machine mixed Plain Cement Concrete of nominal mix 1:2:4, (1 cement : 2 sand : 4 coarse aggregate) M15 grade for leveling course in foundations and under floor of building, etc. in all level with broken stone aggregate of size not more than 25 mm of approved quality including formwork wherever necessary, dewatering, batching, mixing, transporting, placing, compacting, curing, including all lead and lift, etc. all complete as per drawings, specifications and the instructions of the Engineer.	Cu.m	340.59				
9.3	P.C.C. FOR R.C.C. (1:1.5:3) WORKS	-	-				
	Providing and laying in position machine mixed and machine vibrated cement concrete of mix 1:1.5:3 (1 cement:1.5 sand: 3 coarse aggregate) M20 grade for reinforced cement concrete work using approved cement with 20 mm graded machine crushed stone aggregate of approved quality in various locations and heights including transportation of concrete to site of placing, compaction, finished to required line and level, protection and curing, etc. all complete as per drawings, specifications and the instructions of the Engineer, but excluding the cost of centering, shuttering, and reinforcement all complete as per drawings, specifications and instructions of the Engineer.	Cu.m	510.94				
10.0	FORM WORKS	-	-				

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Bill of Quantity

Item No.	Description	Unit	Quantity	Rate in No.	Rate in Words	Amount (NRs.)	Remarks
	Supplying and laying centering, shuttering of various pattern formworks with 19mm thick water proof ply wood & steel adjustable props for all kinds of RCC works for foundations, columns, shear walls, beams, slab, staircase, lintel, sill, pergola, including nails, propping scaffolding, staging, supporting and bracing in proper lines and level, sealing the joints with heavy duty brown self adhesive tape, aligning to line and levels including Ties, PVC Spacer, Providing openings/ cutouts/ pockets, applying De-shuttering chemical, De-shuttering as approved by the Engineer etc., complete at all levels as per drawing, specifications and instructions of the Engineer.	Sq.m	4,164.10				
11.0	STEEL REINFORCEMENT	-	-				
	Providing and fixing in position Fe 500 steel reinforcement of various diameter confirming to relevant IS code in R.C.C. works including straightening, cutting, bending, binding with 20 SWG annealed wire for tying the reinforcement bars at each junctions (binding wire shall not be measured separately) including all waste and cut pieces, provision for adequate numbers of spacers, chairs, providing and placing cement mortar (1:1) cover blocks to keep the bars in intended position at all levels all complete as per drawings, specifications and instructions of the Engineer. (Authorized lap length and for the bar length exceeding 10 meter in length shall be measured for the payment).	Kg	63,547.14				
12.0	FLOORING AND FINISHING WORKS	-	-				
12.1	38mm thick P.C.C. in (1:2:4) with cement punning (1:1) for flooring work with approved floor hardener (Dreitop FH,Mapetop,Fairtop,Sika Chapddur or equivalent floor hardener) with approved quality cement, sand & aggregare 12mm and down grade including mixing,laying curing all complete work as per specification	Sq.m	847.83				
12.2	50 mm thick P.C.C. in (1:2:4) with cement punning (1:1) for flooring work with approved floor hardener (Dreitop FH,Mapetop,Fairtop,Sika Chapddur or equivalent floor hardener) with approved quality cement, sand & aggregare 12mm and down grade including mixing,laying curing all complete work as per specification	Sq.m	1,143.57				
12.3	Providing and laying of 3mm thick cement and sand punning in 1:1 cement sand ratio on floors, skirting, dado etc. including claening , watering in surface and rubbing with steel trowel for hard and smooth surface and curing all complete as per drawing, specification and instructions of the Engineer.	Sq.m	526.23				
12.4	Providing and Laying 6mm.th.porcelain glazed/non glazed tiles on walls and floor of approved colored laid with cement sand mortar (1:4) finished with white cement including polishing all complete as per specification and instruction of site Engineer.	-	-				
12.4.1	Glazed tile on wall	Sq.m	687.49				
12.4.2	Non-glazed tile on floor	Sq.m	100.49				

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Item No.	Description	Unit	Quantity	Rate in No.	Rate in Words	Amount (NRs.)	Remarks
12.5	Providing and Laying kotastone on walls and floor of approved colored laid with cement sand mortar (1:4) finished with grouting including polishing all complete as per specification and instruction of site Engineer.	Sq.m	537.76				
12.6	Providing and Laying granite on walls and floor of approved colored laid with cement sand mortar (1:4) finished with grouting including polishing all complete as per specification and instruction of site Engineer.	Sq.m	281.32				
12.7	Providing and laying slates on roof with nails and adhesives all complete as per specification and instruction of site Engineer.	Sq.m	476.85				
12.8	Providing and laying flagstone 25mm-37.5 mm cladding on wall with cement sand mortar (1:4) finished including the cost of single or multi stage scaffolding, curing, raking joints, provision for recesses, openings, toothing etc., all complete as per drawing, specifications and instructions of the Engineer.	Sq.m	292.74				
12.9	Providing and laying flagstone 50 mm with cement sand mortar (1:4) including claeing , watering in surface and rubbing with steel trowel for hard and smooth surface and curing all complete as per drawing, specification and instructions of the Engineer.	Sq.m	1,066.00				
13.0	WATER PROOFING TREATMENT	-	-				
	Elastocrete cementitious elastometric water proofing coating 2 components capacity per kg 6 sq.ft 2 coat including supply and applying all complete work as per drawing, specification and direction of the engineer .	Sq.m	562.98				
14.0	PLASTERING WORKS	-	-				
14.1	12.5mm. Th. Cement sand plaster (1:3) work on ceiling surfaces of good finish in perfect line level and plumb including grooving in plaster wherever shown in drawings including chiselling racking the joints, wetting the surface and curing the work all complete as per specification and instruction of the consultant/engineer all complete	Sq.m	1,030.43				
14.2	12.50mm. Th. Cement sand plaster (1:4)work on building inner and outer surfaces of good finish in perfect line level and plumb including grooving in plaster wherever shown in drawings including chiselling racking the joints, wetting the surface and curing the work all complete as per specification an.d instruction of the consultant/engineer all complete	Sq.m	5,427.58				
14.3	20mm. Th. Cement sand plaster (1:4)work on floor (Riser,tread,drain, apron,manhole,septic tank,inner wall and floor of water tank))with approved floor hardener (Dreitop FH,Mapetop,Fairtop,Sika Chapdur or equivalent floor hardener) of good finish in perfect line level including grooving in plaster wherever shown in drawings including chiselling racking the joints, wetting the surface and curing the work all complete as per specification and instruction of the consultant/engineer all complete	Sq.m	277.19				

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Item No.	Description	Unit	Quantity	Rate in No.	Rate in Words	Amount (NRs.)	Remarks
14.4	3/4X1.5" thick pani patti in cement sand mortar(1:3) in cantiliver portion of slab in perfect line and level racking the joints, wetting the surface and curing the work all complete as per specification and instruction of the consultant/engineer all complete	Rm	332.65				
14.5	2mm thick plain white putty plaster work at ceiling and wall with clear line and levelled	Sq.m	97.68				
15.0	DOORS AND WINDOWS	-	-				
15.1	Providing and fixing in position wooden frames in doors and wondows of specified section (75*100 mm) of seasoned salwood assembled with wooden nails including cost of hold fast, screws etc and applying two coats of bitumen paint to the surface contacting to walls or other works etc all complete as per drawings, specification and instruction of the Engineer.	Cu.m	0.55				
15.2	Making, fitting & fixing pannel carved door shutter including all necessary approved quality of hardware fittings all complete as per drawings, specification and instruction of the Engineer.	Sq.m	23.25				
15.3	Wooden Column carving work excluding wood	Sq.m	0.78				
16.0	ALUMINIUM DOOR	-	-				
	Providing and fixing Single Panel Casement (Hinged) Door of aluminum section in natural or color anodized/powder coated color Section size (101×45×1.5 mm) fitted with 5 mm clear glass or 9 mm both side laminated board all complete.	Sq.m	56.21				
17.0	ALUMINIUM WINDOW	-	-				
	Providing and fixing 2 track in sliding window of aluminum section in naturally anodized or black anodized/powder coated color, Section size (97x40x1.2 mm) fitted with 5 mm clear glass with out fly mesh shutter all complete.	Sq.m	88.20				
18.0	PAINT WORKS	-	-				
18.1	DISTEMPER PAINT	-	-				
	Providing and applying two or more coats of washable distemper paint of approved manufacturer and shade over a coat of alkali resistant cement primer of approved manufacturer as per manufacturer's specifications to the surface of wall, ceiling, beams columns, canopies, staircase, lobbies etc., all complete as per drawings, specifications and instruction. The rates shall include for scraping, washing the surface with water, surface preparation, scaffolding etc., all complete as per the manufacturer's recommendations and as approved by the Engineer.	Sq.m	2,779.04				
18.2	EXTERIOR WEATHER PAINT	-	-				
	Painting on Exterior Wall surface with two coats of weather coat (Must be ISO 9001 : 2000 certified company) of approved color and shade over one coat of primer to give uniform coloring and quality floss finish after proper surface preparation, all complete as per drawing, specification and instruction of the Engineer, all complete.	Sq.m	3,717.45				

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Item No.	Description	Unit	Quantity	Rate in No.	Rate in Words	Amount (NRs.)	Remarks
18.3	ENAMEL PAINT	-	-				
	Two coats of ready made Enamel paints of approved colour over one coats of primer painting over properly sanded wooden surface and MS circular pipe railing all complete as per specification and instruction of the engineer.	Sq.m	954.37				
18.4	CHAPRA POLISH	-	-				
	Three coats of chapra polish over properly sanded wooden surface with wooden putting all complete as per specification and instruction of the engineer.	Sq.m	58.80				
19.0	METAL WORK	-	-				
	Supplying fitting and fixing MS circular/square pipe (medium size) with necessary base plates along with primer paint all complete as per drawing specification and instruction of site engineer	Kg	15,896.76				
20.0	GRILL WORK	-	-				
	Supply, fabrication and fixing in position of MS Grills for Windows opening at Ground Floor, 12mm*12mm Solid Core Square Rod welded on 4.5mm*20mm MS Strip Frame, Horizontal Spacing of Square Rod should be 100mm c/c and the rod be should be so spaced horizontally that its pair of spacing 100mm should have maximum 300mm clear spacing with each pair, painted with aluminium Paint all complete and as per the approval of Site Engineer	Sq.m	39.20				
21.0	UPVC ROOFING WORK	-	-				
21.1	3mm UPVC sheet with PMMA coating and mesh (red coloured) roofing including fixing in proper shape & size with all self tapping screw 3", clips etc as per drawing & instruction of the Engineer, all complete.	Sq.m	639.83				
21.2	3 mm thick coloured UPVC ridge cover (regular/tile) for roof including fixing in proper shape & size with all necessary self tapping screw, clips etc as per drawing & instruction all complete	Rm	325.15				
22.0	ROOF TRUSS	-	-				
0.0	Providing and fixing tubular roof trusses with rafters, purlins, wind ties, brackets etc., made with medium class mild steel tubes and mild steel sections of required sizes, including hoisting, fixing in position with MS bed plates, shoe angles, anchor bolts etc., and concrete grouting, concreting nut bolts, fabrication, fixing and treated with two coats of anticorrosive paints all complete as per drawings, specifications and instructions of the Engineer. Rate shall include preparing shop drawings, obtaining Engineer's or Client's approval, supplying, fabricating, delivering at site, hoisting and fixing in position, temporary staging, preparation of surface, applying Zinc chromate/Phosphate primer of one coat before and one coat after erection including two coats of synthetic enamel paint of approved make and color etc. all complete as per drawing, specification and instruction of the Engineer.	Kg	16,010.15				
23.0	GYPSUM BOARD FALSE CEILING	-	-				

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Item No.	Description	Unit	Quantity	Rate in No.	Rate in Words	Amount (NRs.)	Remarks
	Supplying and Installation of 12 mm th. Gypsum board False Ceiling with GI framing and all accessories complete as per drawing, specification and instruction of the consultant/ Engineer all complete	-	97.68				
24.0	Supplying & fitting 50mm dia. Black iron pipe post c/c 2.0m, 20*20*4mm & 25*25*4mm size mid angle frame for 10 S.W.G.G.I chain link 2"*2" mesh size & 3*20 angle febrication 0.15m fitting all complete.	Sq.m	66.60				
25.0	MAIN ENTRANCE GATE	-	-				
	Providing and fixing mild steel angle (bracing) 50x50x5 mm, 16 gauge MS sheets and mild steel sqaure pipes treated with one coats of primer and two coats of enamel paints, all complete as detailed in drawing, specification and instructions of the Engineer.	Sq.m	62.82				
26.0	Site clearance work before starting the work and after completion of work including disposing of unused materials away from site and proper levelling all complete as per instruction of site technician.	LS	1.00				
	Total civil cost						
	SANITARY WORKS						
A	SANITARY INSTALLATION						
1.0	Supplying and Fixing clay Indian Commode P or S trap, PVC Cistern and Plastic seat cover with pipe connector all complete set (Hindware, Parryware, Classics, bolan or equivalent.)						
	Indian pattern Commode with PVC low level flushing cistern and seat cover all complete set.	set	21.00				
2.0	Supplying and fixing White glaze Porcelian clay wash basin/ Oval 50*40 cm with brackets 32mm dia p trap, 32mm CP waste coupling CP chain and rubber plug, 15mm*450mm long c.p. pipe connector with mixer etc all complete. (Sanitaryware: Hindware, Parryware or equivalent). Valve:- jaquar, ark, Ess Ess or equivalent)						
	Indian pattern Porcelain clay white glaze Oval Wash Basin 50x40cm with mixer (jaquar,parryware,or equ. All complete set	set	17.00				
2.2	Indian pattern White glazed porcelain clay Urinal 46.5X31.5X26.5cm with necessary accessories all complete set .	set	16.00				
2.3	Porcelain clay white glaze Indian Pattern 68X30cm size Urinal partation all complete set .	set	12.00				
	Supplying and Fixing Indian pattern C.P. valves with wall flange Including c.p. nipple all complete set.						
3.1	15mm CP Bib Cock	No	68.00				
3.2.	C.P. 15mm dia Angle valve.	No	59.00				
3.3	15mm C.P commode spray with 1.2 m. long flexible pipe.	No	21.00				
	Supplying and fixing Indian pattern bathroom accessories all complete set						
4.1	CP Toilet Paper Holder heavy	No	21.00				
4.2	PVC Floor Trap 11*7.5cm (4"*2.5")	No	25.00				
4.3	CP Soap tray	Set	17.00				
4.4	Stainless steel towel rod 1.5*45cm (1/2"*18")	Set	9.00				
4.5	Looking mirror Modi guard 450*600mm (18"*24")	No	17.00				

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B	WATER SUPPLY INSTALLATION						
	Supplying and fixing CPVC:- Chlorinated Poly Vinyl Chloride pipe (hot and cold). 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, all complete set as per specification and instruction. Pipes to be installed on trenches or walls or floor or duct as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running metres, fittings etc not payable separately.						
1.1	15 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm	69.00				
1.2	20 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm	163.00				
1.3	32 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm	120.00				
1.4	40 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm	2,700.00				
2.0	Supplying and fixing CPVC:- Chlorinated Poly Vinyl Chloride valve including jointing materials all complete set as per specification and instruction.						
2.1	15 mm dia CPVC Ball Valve, CTS Socket all complete	Nos	1.00				
2.2	20 mm dia CPVC Ball Valve, CTS Socket all complete	Nos	8.00				
2.3	25 mm dia CPVC Ball Valve, CTS Socket all complete	Nos	-				
2.4	32 mm dia CPVC Ball Valve, CTS Socket all complete	Nos	5.00				
2.5	40 mm dia CPVC Ball Valve, CTS Socket all complete	Nos	-				
2.6	G.M. 40mm gate valve	Nos	15.00				
3.0	Supplying and fixing hdpe water tank with cover including drain hole, inlet, outlet, over flow etc. all complete set.						
3.1	1000 ltr. HDPE water tank (extra heavy duty) fitting with all complete.	Nos	8.00				
C.	SEWER, RAIN AND WASTE WATER INSTALLATION						
	Supplying and fixing UPVC pipe(Soil, Waste, Rain) pipes with all necessary ring gaskets, PVC fittings, including MS clamps, hangers, cutting, jointing, sealing, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct as per drawings specifications (Panchakanya, Prince, Supreme), manufacturer's recommendations, instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running metres, fittings etc not payable separately.						
1.1	50mm PVC pipe of 6 kg/cm2	Rm	110.00				
1.2	75mm PVC pipe of 6 kg/cm2	Rm	69.00				

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Bill of Quantity

Item No.	Description	Unit	Quantity	Rate in No.	Rate in Words	Amount (NRs.)	Remarks
1.3	110mm PVC pipe of 6 kg/cm ²	Rm	91.00				
	Supplying and Fixing UPVC specials with O ring rubber washer, Pvc liquid(Solvent cement), Pvc cream, all complete set as per specification and instruction. (Panchakanya, Prince, Supreme)						
2.1	50mm dia UPVC 90 degree bend	Nos	46.00				
2.2	50mm dia UPVC 45 degree bend	Nos	46.00				
2.3	75mm dia UPVC 45 degree bend	Nos	26.00				
2.4	75 mm dia UPVC Y-Branche	Nos	18.00				
2.5	110 mm Bend 45 degree bend	Nos	44.00				
2.6	75 mm dia UPVC plain/door Tee.	Nos	21.00				
2.7	75 mm dia UPVC 90 degree bend	Nos	22.00				
2.8	110 mm dia UPVC vent cowl	Nos	9.00				
2.9	110 mm dia UPVC plain door Tee	Nos	30.00				
3.0	110 mm dia UPVC 90 degrees bend	Nos	23.00				
3.1	110 mm dia Y-Branche	Nos	22.00				
3.2	110 mm dia UPVC pipe clip.	Nos	27.00				
3.3	110*110 mm dia. PVC p-trap	Nos	-				
	Providing and laying non-pressure NP2 class (light duty) and NP3 class (Heavy duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete.						
3.1	150 mm RCC hume pipe NP2	Rm	90.00				
3.2	1200 mm RCC hume pipe NP3	Rm	63.00				
4.0	WATER TRANSFER PUMP						
	Supplying and fixing Electric motor pump single or three phase with base, nut and bolts all complete set (Kirloskar, Compton, Servo or eqvt)						
	2 HP Electric motor water pump multi stage coupled pump (crompton).	Nos	9.00				
4.2	CI Tank cover 24"*24" (50 kg) Square (Locking type)	Nos	20.00				
4.3	CI cover 22"*22" (20 kg)medium Duty	Nos	90.00				
	Total Sanitary cost						
	ELECTRICAL WORKS						
A	Panel & Distribution Boards						
1.0	Distribution board						
1.1	Distribution board 6 way SPN made of mild steel sheet double cover lockable Geco or eqvt. Flush type etc all complete	Set	12.00				
1.2	6-32 Amps SP MCB Geco, North west, ISI or eqvt. For light and power supply	Nos	55.00				
1.3	6-32 Amps DP MCB Siemens, Geco,Legrend or eqvt. For main	Nos	26.00				
B	Mains,Sub-Mains,Cables & Wires						
1.0	(2*6+1*1.5) sq.mm multistrand flexible cu wire for main in 3/4" HDPE polythene pipe from sub DB to DB etc, all complete	Rm	85.00				

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Bill of Quantity

Item No.	Description	Unit	Quantity	Rate in No.	Rate in Words	Amount (NRs.)	Remarks
2.0	10 sq.mm 4 core armoured copper cable for main panel board to DB,through Polythene pipe etc, all complete	Rm	100.00				
C	CIRCUIT CUM POINT WIRING						
1.0	General Service Light/Fan/Exhaust Fan/ Call bell Point Wiring Supply,installation,testing and commissioning of light point /fan point wiring from DB to various points with 2.5 sqmm multistrand flexible cu wire through 1/2" internal dia HDPE conduit concealed via junction box and switch as per drawing and specification including cost of circular box and junction box and switch. Notes : 1) Average lenght per point = 12.5m Approximately	Point	362.00				
2.0	Power Socket Point Wiring						
	Supply and installation of 16A universal power socket point wiring with 2*4+1*1.5 sq mm multistranded copper wires through pvc listy or 3/4" internal dia HDPE conduit concealed from DB to various points, junction box as per drawing and specification. [Note : Average lenght per point = 12.5 m Approximately]	Point	55.00				
D	Switch Socket Outlets						
	Supply,installation,interconnection,testing and commissioning of following type of switch socket including GI/PVC box,pvc listy to be installed in specified location and height all complete.						
1.0	1 gang 1 way switch or North west type eqvt.etc all complete.	Nos	1.00				
2.0	2 gang 1 way switch or North west type eqvt.etc all complete.	Nos	-				
3.0	3 gang 1 way switch or North west type eqvt.etc all complete.	Nos	-				
4.0	4 gang 1 way switch or North west type eqvt.etc all complete.	Nos	8.00				
5.0	6 gang 1 way switch or North west type eqvt.etc all complete.	Nos	12.00				
6.0	16/6 Amps combined S/socket flush type north west type or eqvt	Nos	55.00				
E	Light Fixtures/ Fan and Accessories						
1.0	Supply, storing,assembling,installation,testing and commissioning of wall/ceiling , surface/recessed,suspended types CFL/LED lighting fixtures including lamp,power factor improvement capacitor,electronics ballast, controle gear, LED driver etc						
1.1	12W finished surface type LED panel light round/square Wipro/Fiam/Philips or equivalent.	Set	170.00				
1.1	6W focus light LED panel light round/square Wipro/Fiam/Philips or equivalent.	Set	170.00				
F	Supply, installation,interconnection,testing and commisioning and putting into operation of following size of sweep ceiling/exhaust fans as per drawing specification including the adjustment hanging rod and louvers for exhaust fan as required.						
1.1	42 "Ceiling fan Almonard /Bajaj or eqvt.etc all complete.	Set	12.00				

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Bill of Quantity

Item No.	Description	Unit	Quantity	Rate in No.	Rate in Words	Amount (NRs.)	Remarks
H	External Works						
1.0	Supply, installation, testing & commissioning of following sizes of PVC insulated multistranded Copper/Aluminium conductor cables/wires of 1.1 KV grade to be lay below ground level through HDPE conduit including cost of providing trance etc for underground conducting and cost of cutting and filling mud as required all complete.						
1.1	4mm ² 3 core Armored cable wire through 40mm dia HDPE Conduit(4kgf/cm ²) for water pump and blocks	Rm	720.00				
1.2	2.5mm ² 2 core Armored cable wire through 25mm dia HDPE Conduit(4kgf/cm ²) for external Post Top Light Pole.	Rm	900.00				
I	Supply,Installation and assembling,erection,connecting,testing and commissioning of the following External light fixtures complete with all accessories as required.						
1.0	External Post Top Light Pole						
	Supply, Erection, Testing and commissioning of 3 meter high 62.5 mm dia steel tubular external light pole suitable for the mounting of specified post top light fixture. The pole shall be embedded 350mm in the ground with concrete foundation as per drawings all complete.	Nos	50.00				
2.0	Post Top External Light Fixtures						
0.0	Supply, installation, interconnection testing & putting into operation of 300 mm dia polycarbonate make post top light fixture to be fixed in above mentioned light pole suitable for 12 W LED bulb complete with all fixing and connecting materials and accessories.	Nos	50.00				
	Total Electrical cost						
	Total cost						

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Government of Nepal

Ghodaghodi Municipality Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
	CIVIL WORKS					
1.0	SITE CLEARANCE AND LAYOUT					
	Clearing the site by removing the bushes, trees, concrete pavement and hard surface whatever at site up to its root depth including the layout work, marking the trench, construction of permanent reference points along each grid precisely in line and level and including construction of all necessary staff and labor facilities.	Sq.m	8,669.66	17.99	155,967.18	
2.0	EARTHWORK IN EXCAVATION	-	-	-	-	
	Excavation in foundations in all type of soils for foundation, trenches, footing, pits etc. to the required depth including dewatering by manual or mechanical means etc. as per specifications with all contractor's own machinery and equipment's, providing crossing of track, shoring, strutting, timbering and buttressing with appropriate materials and all such measures necessary to retain in position the sides of the foundation pit and including refilling the excavated material with watering, ramming, leveling the site and disposing off the surplus/unusable earth within 50m all complete as per drawings, specifications and instructions of the Engineer.	Cu.m	3,012.23	563.82	1,698,355.52	
3.0	BACK FILLING & DISPOSAL OF EXCESS SOIL	-	-	-	-	
3.1	Back filling in foundation and sides of foundation with approved soil obtained from the excavation at site and stacked at site or brought from outside in layer not exceeding 30 cm thick (compacted thickness) including transportation of soil, spreading in required line and level, sprinkling water, ramming, compacting with mechanical rammers, testing, etc., all complete as per drawing, specification and instructions of the Engineer.	Cu.m	2,044.93	393.01	803,677.94	
4.0	BRICK/BOULDER SOLING	-	-	-	-	
4.1	Providing and soiling with first class chimney made brick on flat in floor of building as per drawings, specification and instruction of the consultant/Engineer, all complete.	Sq.m	6,040.97	802.45	4,847,576.38	
4.2	Providing and laying uncoursed hand packed Dry Rubble Stone soling in foundation,floors of building, retaining wall,steps and ramps with out any special dressing of stone including filling interstices with suitable quarry waste or stone chips or quarry sand, watering, compacting using appropriate mechanical compaction means with all contractors materials, handling, placing etc. all complete as per drawings, specifications and instruction of the Engineer. The complete item including all lead & lift.	Cu.m	429.16	1,465.19	628,800.94	
5.0	SAND FILLING	-	-	-	-	

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SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
	Filling sand in floor by sprinkling of water and compaction by labour including lead from 30 m distance as per drawing specification and instruction of the Consultant/Engineer all complete.	Cu.m	133.01	817.25	108,702.42	
6.0	GRAVEL FILLING	-	-	-	-	
	Filling gravel in floor by sprinkling of water and compaction by labour including lead from 30 m distance as per drawing specification and instruction of the Consultant/Engineer all complete.	Cu.m	168.00	817.25	137,298.00	
7.0	500 MICRON POLYTHENE SHEET	-	-	-	-	
	Supplying and laying 500 micron tear proof good quality polythene above the compacted brick soling. The overlaping of the sheet must be more than 230mm in all side to prevent moisture through it. The cost should be inclusive of all material and labour cost, as per design drawing, specification and instruction of the Engineer, all complete.	Sq.m	283.19	159.20	45,083.85	
8.0	BRICK/ STONE MASONRY WORKS	-	-	-	-	
8.1	BRICK MASONRY WORKS (1 : 6 c/s) UPTO GF	-	-	-	-	
	Providing and laying first class chimney fired brick one or more brick thick wall in cement mortar 1:6 (1 cement : 6 coarse sand) in foundation up to ground floor including the cost of single or multi stage scaffolding, soaking bricks, curing, raking joints, provision for recesses, openings, toothing etc., all complete as per drawing, specifications and instructions of the Engineer.	cu.m	695.62	13,302.17	9,253,255.50	
8.2	BRICK MASONRY WORKS (1 : 6 c/s) ABOVE GF	-	-	-	-	
	Providing and laying first class chimney fired brick one or more brick thick wall in cement mortar 1:6 (1 cement : 6 coarse sand) above ground floor including the cost of single or multi stage scaffolding, soaking bricks, curing, raking joints, provision for recesses, openings, toothing etc., all complete as per drawing, specifications and instructions of the Engineer.	Cu.m	78.99	13,704.90	1,082,550.05	
8.3	BRICK MASONRY WORKS (1 : 4 c/s) UPTO GF	-	-	-	-	
	Providing and laying first class chimney fired brick one or more brick thick wall in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation up to ground floor including the cost of single or multi stage scaffolding, soaking bricks, curing, raking joints, provision for recesses, openings, toothing etc., all complete as per drawing, specifications and instructions of the Engineer.	Cu.m	82.07	13,723.36	1,126,276.16	
8.4	STONE MASONRY WORKS (1:6 c/s)	-	-	-	-	
	Providing and laying Random Rubble stone masonry works in foundation upto plinth in 1:6 (1 cement : 6 sand) cement mortar including providing through/bond stone at required interval including providing single or multi-stage self standing scaffolding, curing, protection, etc., all complete as per drawings, specifications and instruction of the engineer.	Cu.m	730.07	7,430.62	5,424,872.74	
9.0	CONCRETE WORKS	-	-	-	-	
9.1	P.C.C (1:3:6) Works	-	-	-	-	

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SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
	Providing and laying machine mixed Plain Cement Concrete of nominal mix 1:3:6, (1 cement : 3 sand : 6 coarse aggregate) M10 grade for leveling course in foundations and under floor of building, etc. in all level with broken stone aggregate of size not more than 25 mm of approved quality including formwork wherever necessary, dewatering, batching, mixing, transporting, placing, compacting, curing, including all lead and lift, etc. all complete as per drawings, specifications and the instructions of the Engineer.	Cu.m	372.62	8,955.75	3,337,091.57	
9.2	P.C.C (1:2:4) Works	-	-	-	-	
	Providing and laying machine mixed Plain Cement Concrete of nominal mix 1:2:4, (1 cement : 2 sand : 4 coarse aggregate) M15 grade for leveling course in foundations and under floor of building, etc. in all level with broken stone aggregate of size not more than 25 mm of approved quality including formwork wherever necessary, dewatering, batching, mixing, transporting, placing, compacting, curing, including all lead and lift, etc. all complete as per drawings, specifications and the instructions of the Engineer.	Cu.m	340.59	11,009.55	3,749,742.63	
9.3	P.C.C. FOR R.C.C. (1:1.5:3) WORKS	-	-	-	-	
	Providing and laying in position machine mixed and machine vibrated cement concrete of mix 1:1.5:3 (1 cement:1.5 sand: 3 coarse aggregate) M20 grade for reinforced cement concrete work using approved cement with 20 mm graded machine crushed stone aggregate of approved quality in various locations and heights including transportation of concrete to site of placing, compaction, finished to required line and level, protection and curing, etc. all complete as per drawings, specifications and the instructions of the Engineer, but excluding the cost of centering, shuttering, and reinforcement all complete as per drawings, specifications and instructions of the Engineer.	Cu.m	510.94	13,482.42	6,888,707.67	
10.0	FORM WORKS	-	-	-	-	
	Supplying and laying centering, shuttering of various pattern formworks with 19mm thick water proof ply wood & steel adjustable props for all kinds of RCC works for foundations, columns, shear walls, beams, slab, staircase, lintel, sill, pergola, including nails, propping scaffolding, staging, supporting and bracing in proper lines and level, sealing the joints with heavy duty brown self adhesive tape, aligning to line and levels including Ties, PVC Spacer, Providing openings/ cutouts/ pockets, applying De-shuttering chemical, De-shuttering as approved by the Engineer etc., complete at all levels as per drawing, specifications and instructions of the Engineer.	Sq.m	4,164.10	1,216.80	5,066,876.88	
11.0	STEEL REINFORCEMENT	-	-	-	-	

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SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
	Providing and fixing in position Fe 500 steel reinforcement of various diameter conforming to relevant IS code in R.C.C. works including straightening, cutting, bending, binding with 20 SWG annealed wire for tying the reinforcement bars at each junctions (binding wire shall not be measured separately) including all waste and cut pieces, provision for adequate numbers of spacers, chairs, providing and placing cement mortar (1:1) cover blocks to keep the bars in intended position at all levels all complete as per drawings, specifications and instructions of the Engineer. (Authorized lap length and for the bar length exceeding 10 meter in length shall be measured for the payment).	Kg	63,547.14	146.21	9,291,227.34	
12.0	FLOORING AND FINISHING WORKS	-	-	-	-	
12.1	38mm thick P.C.C. in (1:2:4) with cement punning (1:1) for flooring work with approved floor hardener (Dreitop FH,Mapetop,Fairtop,Sika Chapddur or equivalent floor hardener) with approved quality cement, sand & aggregare 12mm and down grade including mixing,laying curing all complete work as per specification	Sq.m	847.83	535.42	453,945.14	
12.2	50 mm thick P.C.C. in (1:2:4) with cement punning (1:1) for flooring work with approved floor hardener (Dreitop FH,Mapetop,Fairtop,Sika Chapddur or equivalent floor hardener) with approved quality cement, sand & aggregare 12mm and down grade including mixing,laying curing all complete work as per specification	Sq.m	1,143.57	672.96	769,576.87	
12.3	Providing and laying of 3mm thick cement and sand punning in 1:1 cement sand ratio on floors, skirting, dado etc. including claening , watering in surface and rubbing with steel trowel for hard and smooth surface and curing all complete as per drawing, specification and instructions of the Engineer.	Sq.m	526.23	262.00	137,872.26	
12.4	Providing and Laying 6mm.th.porcelain glazed/non glazed tiles on walls and floor of approved colored laid with cement sand mortar (1:4) finished with white cement including polishing all complete as per specification and instruction of site Engineer.	-	-	-	-	
12.4.1	Glazed tile on wall	Sq.m	687.49	3,506.22	2,410,491.19	
12.4.2	Non-glazed file on floor	Sq.m	100.49	5,089.36	511,429.79	
12.5	Providing and Laying kotastone on walls and floor of approved colored laid with cement sand mortar (1:4) finished with grouting including polishing all complete as per specification and instruction of site Engineer.	Sq.m	537.76	2,223.83	1,195,886.82	
12.6	Providing and Laying granite on walls and floor of approved colored laid with cement sand mortar (1:4)finished with grouting including polishing all complete as per specification and instruction of site Engineer.	Sq.m	281.32	5,089.36	1,431,738.76	
12.7	Providing and laying slates on roof with nails and adhesives all complete as per specification and instruction of site Engineer.	Sq.m	476.85	2,122.89	1,012,300.10	
12.8	Providing and laying flagstone 25mm-37.5 mm cladding on wall with cement sand mortar (1:4) finished including the cost of single or multi stage scaffolding,curing, raking joints, provision for recesses, openings, toothing etc., all complete as per drawing, specifications and instructions of the Engineer.	Sq.m	292.74	1,937.84	567,283.28	

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SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
12.9	Providing and laying flagstone 50 mm with cement sand mortar (1:4) including clæning , watering in surface and rubbing with steel trowel for hard and smooth surface and curing all complete as per drawing, specification and instructions of the Engineer.	Sq.m	1,066.00	2,173.52	2,316,972.32	
13.0	WATER PROOFING TREATMENT	-	-	-	-	
	Elastocrete cementitious elastometric water proofing coating 2 components capacity per kg 6 sq.ft 2 coat including supply and applying all complete work as per drawing, specification and direction of the engineer .	Sq.m	562.98	742.44	417,978.87	

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SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
14.0	PLASTERING WORKS	-	-	-	-	
14.1	12.5mm. Th. Cement sand plaster (1:3) work on ceiling surfaces of good finish in perfect line level and plumb including grooving in plaster wherever shown in drawings including chiselling racking the joints, wetting the surface and curing the work all complete as per specification and instruction of the consultant/engineer all complete	Sq.m	1,030.43	410.50	422,991.52	
14.2	12.50mm. Th. Cement sand plaster (1:4)work on building inner and outer surfaces of good finish in perfect line level and plumb including grooving in plaster wherever shown in drawings including chiselling racking the joints, wetting the surface and curing the work all complete as per specification and instruction of the consultant/engineer all complete	Sq.m	5,427.58	334.71	1,816,665.30	
14.3	20mm. Th. Cement sand plaster (1:4)work on floor (Riser,tread,drain, apron,manhole,septic tank,inner wall and floor of water tank))with approved floor hardener (Dreitop FH,Mapetop,Fairtop,Sika Chapdur or equivalent floor hardener) of good finish in perfect line level including grooving in plaster wherever shown in drawings including chiselling racking the joints, wetting the surface and curing the work all complete as per specification and instruction of the consultant/engineer all complete	Sq.m	277.19	419.47	116,272.89	
14.4	3/4X1.5" thick pani patti in cement sand mortar(1:3) in cantiliver portion of slab in perfect line and level racking the joints, wetting the surface and curing the work all complete as per specification and instruction of the consultant/engineer all complete	Rm	332.65	132.89	44,205.86	
14.5	2mm thick plain white putty plaster work at ceiling and wall with clear line and levelled	Sq.m	97.68	236.97	23,147.23	
15.0	DOORS AND WINDOWS	-	-	-	-	
15.1	Providing and fixing in position wooden frames in doors and windows of specified section (75*100 mm) of seasoned salwood assembled with wooden nails including cost of hold fast, screws etc and applying two coats of bitumen paint to the surface contacting to walls or other works etc all complete as per drawings, specification and instruction of the Engineer.	Cu.m	0.55	318,644.23	175,254.33	
15.2	Making, fitting & fixing pannel carved door shutter including all necessary approved quality of hardware fittings all complete as per drawings, specification and instruction of the Engineer.	Sq.m	23.25	93,886.38	2,182,858.34	
15.3	Wooden Column carving work excluding wood	Sq.m	0.78	93,886.38	73,231.38	
16.0	ALUMINIUM DOOR	-	-	-	-	
	Providing and fixing Single Panel Casement (Hinged) Door of aluminum section in natural or color anodized/powder coated color Section size (101×45×1.5 mm) fitted with 5 mm clear glass or 9 mm both side laminated board all complete.	Sq.m	56.21	12,992.70	730,319.67	
17.0	ALUMINIUM WINDOW	-	-	-	-	
	Providing and fixing 2 track in sliding window of aluminum section in naturally anodized or black anodized/powder coated color, Section size (97x40x1.2 mm) fitted with 5 mm clear glass with out fly mesh shutter all complete.	Sq.m	88.20	8,855.00	781,011.00	
18.0	PAINT WORKS	-	-	-	-	
18.1	DISTEMPER PAINT	-	-	-	-	

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SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
	Providing and applying two or more coats of washable distemper paint of approved manufacturer and shade over a coat of alkali resistant cement primer of approved manufacturer as per manufacturer's specifications to the surface of wall, ceiling, beams columns, canopies, staircase, lobbies etc., all complete as per drawings, specifications and instruction. The rates shall include for scraping, washing the surface with water, surface preparation, scaffolding etc., all complete as per the manufacturer's recommendations and as approved by the Engineer.	Sq.m	2,779.04	309.06	858,890.10	
18.2	EXTERIOR WEATHER PAINT	-	-	-	-	
	Painting on Exterior Wall surface with two coats of weather coat (Must be ISO 9001 : 2000 certified company) of approved color and shade over one coat of primer to give uniform coloring and quality floss finish after proper surface preparation, all complete as per drawing, specification and instruction of the Engineer, all complete.	Sq.m	3,717.45	309.98	1,152,335.15	
18.3	ENAMEL PAINT	-	-	-	-	
	Two coats of ready made Enamel paints of approved colour over one coats of primer painting over properly sanded wooden surface and MS circular pipe railing all complete as per specification and instruction of the engineer.	Sq.m	954.37	359.48	343,076.93	
18.4	CHAPRA POLISH	-	-	-	-	
	Three coats of chapra polish over properly sanded wooden surface with wooden putting all complete as per specification and instruction of the engineer.	Sq.m	58.80	186.53	10,967.96	
19.0	METAL WORK	-	-	-	-	
	Supplying fitting and fixing MS circular/square pipe (medium size) with necessary base plates along with primer paint all complete as per drawing specification and instruction of site engineer	Kg	15,896.76	161.00	2,559,378.36	
20.0	GRILL WORK	-	-	-	-	
	Supply, fabrication and fixing in position of MS Grills for Windows opening at Ground Floor, 12mm*12mm Solid Core Square Rod welded on 4.5mm*20mm MS Strip Frame, Horizontal Spacing of Square Rod should be 100mm c/c and the rod be should be so spaced horizontally that its pair of spacing 100mm should have maximum 300mm clear spacing with each pair, painted with aluminium Paint all complete and as per the approval of Site Engineer	Sq.m	39.20	2,618.90	102,660.88	
21.0	UPVC ROOFING WORK	-	-	-	-	
21.1	3mm UPVC sheet with PMMA coating and mesh (red coloured) roofing including fixing in proper shape & size with all self tapping screw 3", clips etc as per drawing & instruction of the Engineer, all complete.	Sq.m	639.83	2,289.02	1,464,583.67	
21.2	3 mm thick coloured UPVC ridge cover (regular/tile) for roof including fixing in proper shape & size with all necessary self tapping screw, clips etc as per drawing & instruction all complete	Rm	325.15	2,281.20	741,732.18	
22.0	ROOF TRUSS	-	-	-	-	

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SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
0.0	Providing and fixing tubular roof trusses with rafters, purlins, wind ties, brackets etc., made with medium class mild steel tubes and mild steel sections of required sizes, including hoisting, fixing in position with MS bed plates, shoe angles, anchor bolts etc., and concrete grouting, concreting nut bolts, fabrication, fixing and treated with two coats of anticorrosive paints all complete as per drawings, specifications and instructions of the Engineer. Rate shall include preparing shop drawings, obtaining Engineer's or Client's approval, supplying, fabricating, delivering at site, hoisting and fixing in position, temporary staging, preparation of surface, applying Zinc chromate/Phosphate primer of one coat before and one coat after erection including two coats of synthetic enamel paint of approved make and color etc. all complete as per drawing, specification and instruction of the Engineer.	Kg	16,010.15	247.67	3,965,233.85	
23.0	GYPSON BOARD FALSE CEILING	-	-	-	-	
	Supplying and Installation of 12 mm th. Gypsum board False Ceiling with GI framing and all accessories complete as per drawing, specification and instruction of the consultant/ Engineer all complete	-	97.68	989.92	96,695.39	
24.0	Supplying & fitting 50mm dia. Black iron pipe post c/c 2.0m, 20*20*4mm & 25*25*4mm size mid angle frame for 10 S.W.G.I chain link 2"*2" mesh size & 3*20 angle febrication 0.15m fitting all complete.	Sq.m	66.60	2,460.69	163,881.95	
25.0	MAIN ENTRANCE GATE	-	-	-	-	
	Providing and fixing mild steel angle (bracing) 50x50x5 mm, 16 gauge MS sheets and mild steel square pipes treated with one coats of primer and two coats of enamel paints, all complete as detailed in drawing, specification and instructions of the Engineer.	Sq.m	62.82	9,552.73	600,102.50	
26.0	Site clearance work before starting the work and after completion of work including disposing of unused materials away from site and proper levelling all complete as per instruction of site technician.	LS	1.00	50,000.00	50,000.00	
	Total civil cost				83,347,034.61	
	SANITARY WORKS					
A	SANITARY INSTALLATION					
1.0	Supplying and Fixing clay Indian Commode P or S trap, PVC Cistern and Plastic seat cover with pipe connector all complete set (Hindware, Parryware, Classics, bolan or equivalent.)					

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SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
	Indian pattern Commode with PVC low level flushing cistern and seat cover all complete set.	set	21.00	19,375.20	406,879.20	
2.0	Supplying and fixing White glaze Porcelian clay wash basin/ Oval 50*40 cm with brackets 32mm dia p trap, 32mm CP waste coupling CP chain and rubber plug, 15mm*450mm long c.p. pipe connector with mixer etc all complete. (Sanitaryware: Hindware, Parryware or equivalent). Valve:- jaquar, ark, Ess Ess or equivalent)					
	Indian pattern Porcelain clay white glaze Oval Wash Basin 50x40cm with mixer (jaquar,parryware,or equ. All complete set	set	17.00	10,830.70	184,121.90	
2.2	Indian pattern White glazed porceline clay Urinal 46.5X31.5X26.5cm with necessary accessories all complete set .	set	16.00	5,016.30	80,260.80	
2.3	Porcelain clay white glaze Indian Pattern 68X30cm size Urinal partation all complete set .	set	12.00	2,988.28	35,859.36	
	Supplying and fixing Indian pattern C.P. valves with wall flange Including c.p. nipple all complete set.					
3.1	15mm CP Bib Cock	No	68.00	1,270.81	86,415.08	
3.2.	C.P. 15mm dia Angle valve.	No	59.00	1,551.41	91,533.19	
3.3	15mm C.P commode spray with 1.2 m. long flexible pipe.	No	21.00	1,725.40	36,233.40	
	Supplying and fixing Indian pattern bathroom accessories all complete set					
4.1	CP Toilet Paper Holder heavy	No	21.00	753.31	15,819.51	
4.2	PVC Floor Trap 11*7.5cm (4**2.5")	No	25.00	521.01	13,025.25	
4.3	CP Soap tray	Set	17.00	800.46	13,607.82	
4.4	Stainless steel towel rod 1.5*45cm (1/2**18")	Set	9.00	1,554.92	13,994.28	
4.5	Looking mirror Modi guard 450*600mm (18**24")	No	17.00	1,675.72	28,487.24	
B	WATER SUPPLY INSTALLATION					
	Supplying and fixing CPVC:- Chlorinated Poly Vinyl Chloride pipe (hot and cold). 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 sams to its original finish, all complete set as per specification and instruction. Pipes to be installed on trenches or walls or floor or duct as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running metres, fittings etc not payable separately.					
1.1	15 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm	69.00	321.25	22,166.25	
1.2	20 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm	163.00	373.00	60,799.00	
1.3	32 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm	120.00	544.44	65,332.80	
1.4	40 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm	2,700.00	737.20	1,990,440.00	

SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
2.0	Supplying and fixing CPVC:- Chlorinated Poly Vinyl Chloride valve including jointing materials all complete set as per specification and instruction.					
2.1	15 mm dia CPVC Ball Valve, CTS Socket all complete	Nos	1.00	541.04	541.04	
2.2	20 mm dia CPVC Ball Valve, CTS Socket all complete	Nos	8.00	679.68	5,437.44	
2.3	25 mm dia CPVC Ball Valve, CTS Socket all complete	Nos	-	796.65	-	
2.4	32 mm dia CPVC Ball Valve, CTS Socket all complete	Nos	5.00	1,697.78	8,488.90	
2.5	40 mm dia CPVC Ball Valve, CTS Socket all complete	Nos	-	2,009.71	-	
2.6	G.M. 40mm gate valve	Nos	15.00	3,563.97	53,459.55	
3.0	Supplying and fixing hdpe water tank with cover including drain hole, inlet, outlet, over flow etc. all complete set.					
3.1	1000 ltr. HDPE water tank (extra heavy duty) fitting with all complete.	Nos	8.00	26,776.60	214,212.80	
C.	SEWER, RAIN AND WASTE WATER INSTALLATION					
	Supplying and fixing UPVC pipe(Soil, Waste, Rain) pipes with all necessary ring gaskets, PVC fittings, including MS clamps, hangers, cutting, jointing, sealing, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct as per drawings specifications (Panchakanya, Prince, Supreme), manufacturer's recommendations, instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running metres, fittings etc not payable separately.					
1.1	50mm PVC pipe of 6 kg/cm2	Rm	110.00	257.95	28,374.50	
1.2	75mm PVC pipe of 6 kg/cm2	Rm	69.00	532.66	36,753.54	
1.3	110mm PVC pipe of 6 kg/cm2	Rm	91.00	962.18	87,558.38	
	Supplying and Fixing UPVC specials with O ring rubber washer, Pvc liquid(Solvent cement), Pvc cream, all complete set as per specification and instruction. (Panchakanya, Prince, Supreme)					
2.1	50mm dia UPVC 90 degree bend	Nos	46.00	224.71	10,336.66	
2.2	50mm dia UPVC 45 degree bend	Nos	46.00	223.56	10,283.76	
2.3	75mm dia UPVC 45 degree bend	Nos	26.00	584.26	15,190.76	
2.4	75 mm dia UPVC Y-Brance	Nos	18.00	584.26	10,516.68	
2.5	110 mm Bend 45 degree bend	Nos	44.00	832.37	36,624.28	

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SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
2.6	75 mm dia UPVC plain/door Tee.	Nos	21.00	641.76	13,476.96	
2.7	75 mm dia UPVC 90 degree bend	Nos	22.00	584.26	12,853.72	
2.8	110 mm dia UPVC vent cowl	Nos	9.00	437.92	3,941.28	
2.9	110 mm dia UPVC plain door Tee	Nos	30.00	1,016.37	30,491.10	
3.0	110 mm dia UPVC 90 degrees bend	Nos	23.00	832.37	19,144.51	
3.1	110 mm dia Y-Branche	Nos	22.00	1,234.87	27,167.14	
3.2	110 mm dia UPVC pipe clip.	Nos	27.00	48.30	1,304.10	
3.3	110*110 mm dia. PVC p-trap	Nos	-	580.75	-	
	Providing and laying non-pressure NP2 class (light duty) and NP3 class (Heavy duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete.					
3.1	150 mm RCC hume pipe NP2	Rm	90.00	1,814.54	163,308.60	
3.2	1200 mm RCC hume pipe NP3	Rm	63.00	23,724.51	1,494,644.13	
4.0	WATER TRANSFER PUMP					
	Supplying and fixing Electric motor pump single or three phase with base, nut and bolts all complete set (Kirloskar, Compton, Servo or eqvt)					
	2 HP Electric motor water pump multi stage coupled pump (crompton).	Nos	9.00	37,720.00	339,480.00	
4.2	CI Tank cover 24"*24" (50 kg) Square (Locking type)	Nos	20.00	12,437.42	248,748.40	
4.3	CI cover 22"*22" (20 kg)medium Duty	Nos	90.00	6,687.42	601,867.80	
	Total Sanitary cost				6,619,181.11	
	ELECTRICAL WORKS					
A	Panel & Distribution Boards					
1.0	Distribution board					
1.1	Distribution board 6 way SPN made of mild steel sheet double cover lockable Geco or eqvt. Flush type etc all complete	Set	12.00	3,762.72	45,152.64	
1.2	6-32 Amps SP MCB Geco, North west, ISI or eqvt. For light and power supply	Nos	55.00	430.10	23,655.50	
1.3	6-32 Amps DP MCB Siemens, Geco,Legrend or eqvt. For main	Nos	26.00	1,122.97	29,197.22	
B	Mains,Sub-Mains,Cables & Wires					
1.0	(2*6+1*1.5) sq.mm multistrand flexible cu wire for main in 3/4" HDPE polythene pipe from sub DB to DB etc, all complete	Rm	85.00	316.90	26,936.50	
2.0	10 sq.mm 4 core armoured copper cable for main panel board to DB,through Polythene pipe etc, all complete	Rm	100.00	766.88	76,688.00	
C	CIRCUIT CUM POINT WIRING					
1.0	General Service Light/Fan/Exhaust Fan/ Call bell Point Wiring Supply,installation,testing and commissioning of light point /fan point wiring from DB to various points with 2.5 sqmm multistrand flexible cu wire through 1/2" internal dia HDPE conduit concealed via junction box and switch as per drawing and specification including cost of circular box and junction box and switch. Notes : 1) Average lenght per point = 12.5m Approximately	Point	362.00	1,279.00	462,998.00	

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SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
2.0	Power Socket Point Wiring					
	Supply and installation of 16A universal power socket point wiring with 2*4+1*1.5 sq mm multistranded copper wires through pvc listy or 3/4" internal dia HDPE conduit concealed from DB to various points, junction box as per drawing and specification. [Note : Average lenght per point = 12.5 m Approximately]	Point	55.00	1,485.13	81,682.15	
D	Switch Socket Outlets					
	Supply,installation,interconnection,testing and commissioning of following type of switch socket including GI/PVC box,pvc listy to be installed in specified location and height all complete.					
1.0	1 gang 1 way switch or North west type eqvt.etc all complete.	Nos	1.00	592.82	592.82	
2.0	2 gang 1 way switch or North west type eqvt.etc all complete.	Nos	-	758.42	-	
3.0	3 gang 1 way switch or North west type eqvt.etc all complete.	Nos	-	930.92	-	
4.0	4 gang 1 way switch or North west type eqvt.etc all complete.	Nos	8.00	1,110.32	8,882.56	
5.0	6 gang 1 way switch or North west type eqvt.etc all complete.	Nos	12.00	1,592.17	19,106.04	
6.0	16/6 Amps combined S/socket flush type north west type or eqvt	Nos	55.00	800.97	44,053.35	
E	Light Fixtures/ Fan and Accessories					
1.0	Supply, storing,assembling,installation,testing and commissioning of wall/ceiling , surface/recessed,suspended types CFL/LED lighting fixtures including lamp,power factor improvement capacitor,electronics ballast, controle gear, LED driver etc					
1.1	12W finished surface type LED panel light round/square Wipro/Fiam/Philips or equivalent.	Set	170.00	3,097.23	526,529.10	
1.1	6W focus light LED panel light round/square Wipro/Fiam/Philips or equivalent.	Set	170.00	2,407.23	409,229.10	
F	Supply, installation,interconnection,testing and commisioning and putting into operation of following size of sweep ceiling/exhaust fans as per drawing specification including the adjustment hanging rod and louvers for exhaust fan as required.					
1.1	42 "Ceiling fan Almonard /Bajaj or eqvt.etc all complete.	Set	12.00	4,227.40	50,728.80	
H	External Works					
1.0	Supply, installation, testing & commissioning of following sizes of PVC insulated multistranded Copper/Aluminium conductor cables/wires of 1.1 KV grade to be lay below ground level through HDPE conduit including cost of providing trance etc for underground conducting and cost of cutting and filling mud as required all complete.					
1.1	4mm2 3 core Armored cable wire through 40mm dia HDPE Conduit(4kgf/cm2) for water pump and blocks	Rm	720.00	443.68	319,449.60	
1.2	2.5mm2 2 core Armored cable wire through 25mm dia HDPE Conduit(4kgf/cm2) for external Post Top Light Pole.	Rm	900.00	271.18	244,062.00	
I	Supply,Installation and assembling,erection,connecting,testing and commissioning of the following External light fixtures complete with all accessories as required.					
1.0	External Post Top Light Pole					

SUMMARY OF ABSTRACT

Item No.	Description	Unit	Quantity	Rate(NRs.)	Amount (NRs.)	Remarks
	Supply, Erection, Testing and commissioning of 3 meter high 62.5 mm dia steel tubular external light pole suitable for the mounting of specified post top light fixture. The pole shall be embedded 350mm in the ground with concrete foundation as per drawings all complete.	Nos	50.00	7,513.81	375,690.50	
2.0	Post Top External Light Fixtures					
0.0	Supply, installation, interconnection testing & putting into operation of 300 mm dia polycarbonate make post top light fixture to be fixed in above mentioned light pole suitable for 12 W LED bulb complete with all fixing and connecting materials and accessories.	Nos	50.00	4,635.94	231,797.00	
	Total Electrical cost				2,976,430.88	
	Total cost				92,942,646.60	

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Government of Nepal

Ghodaghodi Municipality
Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

Type of Job: Electrical Works

ABSTRACT SHEET

Item No.	Description of Works	Unit	Community Building	Ticket counter	Guard House	Central Flag space	Aarati Space	Museum plaza	Toilet	Generator house	Underground water tank	Site Dev	Total Quantity	Rate	Amount (NPR)	Remarks	Community Building	Ticket counter	Guard House	Central Flag space	Aarati Space	Museum plaza	Toilet	Generator house	Underground water tank	Site Dev
	No of blocks		1.00	1.00	1.00	1.00	1.00	7.00	4.00	1.00	1.00	1.00					1.00	1.00	1.00	1.00	1.00	7.00	4.00	1.00	1.00	1.00
A	Panel & Distribution Boards																									
1	Distribution board																									
1.1	Distribution board 6 way SPN made of mild steel sheet double cover lockable Geco or eqvt. Flush type etc all complete	Set	2.00	1.00	1.00				4.00	1.00		3.00	12.00	3,762.72	45,152.64		7,525.44	3,762.72	3,762.72	-	-	-	15,050.88	3,762.72	-	11,288.16
1.2	6-32 Amps SP MCB Geco, North west, ISI or eqvt. For light and power supply	Nos	8.00	4.00	2.00	1.00	1.00	7.00	16.00	4.00		12.00	55.00	430.10	23,655.50		3,440.80	1,720.40	860.20	430.10	430.10	3,010.70	6,881.60	1,720.40	-	5,161.20
1.3	6-32 Amps DP MCB Siemens, Geco, Legrend or eqvt. For main	Nos	4.00	2.00	2.00				8.00	2.00	2.00	6.00	26.00	1,122.97	29,197.22		4,491.88	2,245.94	2,245.94	-	-	-	8,983.76	2,245.94	2,245.94	6,737.82
B	Mains, Sub-Mains, Cables & Wires																									
1	(2*6+1*1.5) sq.mm multistrand flexible cu wire for main in 3/4" HDPE polythene pipe from sub DB to DB etc, all complete	Rm	5.00	5.00	5.00				20.00			50.00	85.00	316.90	26,936.50		1,584.50	1,584.50	1,584.50	-	-	-	6,338.00	-	-	15,845.00
2	10 sq.mm 4 core armoured copper cable for main panel board to DB, through Polythene pipe etc, all complete	Rm								50.00		50.00	100.00	766.88	76,688.00		-	-	-	-	-	-	-	38,344.00	-	38,344.00
C	CIRCUIT CUM POINT WIRING																									
1	General Service Light/Fan/Exhaust Fan/ Call bell Point Wiring Supply, installation, testing and commissioning of light point /fan point wiring from DB to various points with 2.5 sqmm multistrand flexible cu wire through 1/2" internal dia HDPE conduit concealed via junction box and switch as per drawing and specification including cost of circular box and junction box and switch. Notes : 1) Average length per point = 12.5m Approximately	Point	74.00	11.00	7.00	4.00	6.00	140.00	64.00	6.00	-	50.00	362.00	1,279.00	462,998.00		94,646.00	14,069.00	8,953.00	5,116.00	7,674.00	179,060.00	81,856.00	7,674.00	-	63,950.00
2	Power Socket Point Wiring Supply and installation of 16A universal power socket point wiring with 2*4+1*1.5 sq mm multistrand copper wires through pvc listy or 3/4" internal dia HDPE conduit concealed from DB to various points, junction box as per drawing and specification. [Note : Average length per point = 12.5 m Approximately]	Point	12.00	6.00	3.00	-	-	-	8.00	4.00	2.00	20.00	55.00	1,485.13	81,682.15		17,821.56	8,910.78	4,455.39	-	-	-	11,881.04	5,940.52	2,970.26	29,702.60
D	Switch Socket Outlets																									
	Supply, installation, interconnection, testing and commissioning of following type of switch socket including GI/PVC box, pvc listy to be installed in specified location and height all complete.																									
1	1 gang 1 way switch or North west type eqvt. etc all complete.	Nos			1.00								1.00	592.82	592.82		-	-	592.82	-	-	-	-	-	-	-
2	2 gang 1 way switch or North west type eqvt. etc all complete.	Nos											-	758.42	-		-	-	-	-	-	-	-	-	-	-
3	3 gang 1 way switch or North west type eqvt. etc all complete.	Nos											-	930.92	-		-	-	-	-	-	-	-	-	-	-
4	4 gang 1 way switch or North west type eqvt. etc all complete.	Nos	8.00										8.00	1,110.32	8,882.56		8,882.56	-	-	-	-	-	-	-	-	-
5	6 gang 1 way switch or North west type eqvt. etc all complete.	Nos	1.00	1.00	1.00				8.00	1.00			12.00	1,592.17	19,106.04		1,592.17	1,592.17	1,592.17	-	-	-	12,737.36	1,592.17	-	-
6	16/6 Amps combined S/socket flush type north west type or eqvt	Nos	12.00	6.00	3.00				8.00	4.00	2.00	20.00	55.00	800.97	44,053.35		9,611.64	4,805.82	2,402.91	-	-	-	6,407.76	3,203.88	1,601.94	16,019.40
E	Light Fixtures/ Fan and Accessories																									
1	Supply, storing, assembling, installation, testing and commissioning of wall/ceiling, surface/recessed, suspended types CFL/LED lighting fixtures including lamp, power factor improvement capacitor, electronics ballast, control gear, LED driver etc																									
1.1	12W finished surface type LED panel light round/square Wipro/Fiam/Philips or equivalent.	Set	66.00	8.00	6.00				64.00	6.00		20.00	170.00	3,097.23	526,529.10		204,417.18	24,777.84	18,583.38	-	-	-	198,222.72	18,583.38	-	61,944.60
1.1	6W focus light LED panel light round/square Wipro/Fiam/Philips or equivalent.	Set				4.00	6.00	140.00				20.00	170.00	2,407.23	409,229.10		-	-	-	9,628.92	14,443.38	337,012.20	-	-	-	48,144.60
F	Supply, installation, interconnection, testing and commissioning and putting into operation of following size of sweep ceiling/exhaust fans as per drawing specification including the adjustment hanging rod and louvers for exhaust fan as required.																									
1.1	42 "Ceiling fan Almonard /Bajaj or eqvt. etc all complete.	Set	8.00	3.00	1.00								12.00	4,227.40	50,728.80		33,819.20	12,682.20	4,227.40	-	-	-	-	-	-	-

Government of Nepal

Ghodaghodi Municipality
Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

Type of Job: Electrical Works

ABSTRACT SHEET

Item No.	Description of Works	Unit	Community Building	Ticket counter	Guard House	Central Flag space	Aarati Space	Museum plaza	Toilet	Generator house	Underground water tank	Site Dev	Total Quantity	Rate	Amount (NPR)	Remarks	Community Building	Ticket counter	Guard House	Central Flag space	Aarati Space	Museum plaza	Toilet	Generator house	Underground water tank	Site Dev
	No of blocks		1.00	1.00	1.00	1.00	1.00	7.00	4.00	1.00	1.00	1.00					1.00	1.00	1.00	1.00	1.00	7.00	4.00	1.00	1.00	1.00
H	External Works																									
1	Supply, installation, testing & commissioning of following sizes of PVC insulated multistranded Copper/Aluminium conductor cables/wires of 1.1 KV grade to be lay below ground level through HDPE conduit including cost of providing trance etc for underground conducting and cost of cutting and filling mud as required all complete.																									
1.1	4mm ² 3 core Armored cable wire through 40mm dia HDPE Conduit(4kgf/cm2) for water pump and blocks	Rm	50.00	20.00	30.00				500.00		20.00	100.00	720.00	443.68	319,449.60		22,184.00	8,873.60	13,310.40				221,840.00		8,873.60	44,368.00
1.2	2.5mm ² 2 core Armored cable wire through 25mm dia HDPE Conduit(4kgf/cm2) for external Post Top Light Pole.	Rm				50.00	100.00	500.00				250.00	900.00	271.18	244,062.00				13,559.00	27,118.00	135,590.00					67,795.00
I	Supply, installation and assembling, erection, connecting, testing and commissioning of the following External light fixtures complete with all accessories as required.																									
1	External Post Top Light Pole																									
	Supply, Erection, Testing and commissioning of 3 meter high 62.5 mm dia steel tubular external light pole suitable for the mounting of specified post top light fixture. The pole shall be embedded 350mm in the ground with concrete foundation as per drawings all complete.	Nos										50.00	50.00	7,513.81	375,690.50											375,690.50
2	Post Top External Light Fixtures																									
	Supply, installation, interconnection testing & putting into operation of 300 mm dia polycarbonate make post top light fixture to be fixed in above mentioned light pole suitable for 12 W LED bulb complete with all fixing and connecting materials and accessories.	Nos										50.00	50.00	4,635.94	231,797.00											231,797.00
	Total														2,976,430.88		410,016.93	85,024.97	62,570.83	28,734.02	49,665.48	654,672.90	570,199.12	83,067.01	15,691.74	1,016,787.88

Government of Nepal

Ghodaghodi Municipality
Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

Type of Job: Sanitary Works

ABSTRACT SHEET

Item No.	Description Of Works	Unit	Guard House	Water pond	Toilet	Water tap	Underground water tank	Overhead water tank	Septic tank, soak pit and manhole	Site Dev	Total Quantity	Rate	Amount(NPR)	Remarks	Guard House	Water pond	Toilet	Water tap	Underground water tank	Overhead water tank	Septic tank, soak pit and manhole	Site Dev
	No of Blocks		1.00	1.00	4.00	6.00	1.00	4.00	4.00	1.00					1.00	1.00	4.00	6.00	1.00	4.00	4.00	1.00
A	SANITARY INSTALLATION																					
1	Supplying and fixing clay Indian Commode P or S trap, PVC Cistern and Plastic seat cover with pipe connector all complete set (Hindware, Parryware, Classics, balan or equivalent.)																					
	Indian pattern Commode with PVC low level flushing cistern and seat cover all complete set.	set	1		20.00							21.00	19,375.20	406,879.20	19,375.20	-	387,504.00	-	-	-	-	-
2	Supplying and fixing White glaze Porcelain clay wash basin/ Oval 50*40 cm with brackets 32mm dia p trap, 32mm CP waste coupling CP chain and rubber plug, 15mm*450mm long c.p. pipe connector with mixer etc all complete. (Sanitaryware: Hindware, Parryware or equivalent). Valve:- Jaquar, ark, Ess Ess or equivalent)																					
2.1	Indian pattern Porcelain clay white glaze Oval Wash Basin 50x40cm with mixer (Jaquar, parryware, or equ. All complete set	set	1		16.00							17.00	10,830.70	184,121.90	10,830.70	-	173,291.20	-	-	-	-	-
2.2	Indian pattern White glazed porcelain clay Urinal 46.5X31.5X26.5cm with necessary accessories all complete set .	set			16.00							16.00	5,016.30	80,260.80	-	-	80,260.80	-	-	-	-	-
2.3	Porcelain clay white glaze Indian Pattern 68X30cm size Urinal partation all complete set .	set			12.00							12.00	2,988.28	35,859.36	-	-	35,859.36	-	-	-	-	-
3	Supplying and fixing Indian pattern C.P. valves with wall flange including c.p. nipple all complete set.																					
3.1	15mm CP Bib Cock	No	2		12.00	18.00				36		68.00	1,270.81	86,415.08	2,541.62	-	15,249.72	22,874.58	-	-	-	45,749.16
3.2	C.P. 15mm dia Angle valve.	No	3		56.00							59.00	1,551.41	91,533.19	4,654.23	-	86,878.96	-	-	-	-	-
3.3	15mm C.P commode spray with 1.2 m. long flexible pipe.	No	1		20.00							21.00	1,725.40	36,233.40	1,725.40	-	34,508.00	-	-	-	-	-
4	Supplying and fixing Indian pattern bathroom accessories all complete set																					
4.1	CP Toilet Paper Holder heavy	No	1		20.00							21.00	753.31	15,819.51	753.31	-	15,066.20	-	-	-	-	-
4.2	PVC Floor Trap 11*7.5cm (4*2.5")	No	1		24.00							25.00	521.01	13,025.25	521.01	-	12,504.24	-	-	-	-	-
4.3	CP Soap tray	Set	1		16.00							17.00	800.46	13,607.82	800.46	-	12,807.36	-	-	-	-	-
4.4	Stainless steel towel rod 1.5*45cm (1/2*18")	Set	1		8.00							9.00	1,554.92	13,994.28	1,554.92	-	12,439.36	-	-	-	-	-
4.5	Looking mirror Modi guard 450*600mm (18**24")	No	1		16.00							17.00	1,675.72	28,487.24	1,675.72	-	26,811.52	-	-	-	-	-
B	WATER SUPPLY INSTALLATION																					
1	Supplying and fixing CPVC:- Chlorinated Poly Vinyl Chloride pipe (hot and cold). 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, all complete set as per specification and instruction. Pipes to be installed on trenches or walls or floor or duct as per drawings, specifications and instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running metres, fittings etc not payable separately.																					
1.1	15 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm	3		48.00	18.00						69.00	321.25	22,166.25	963.75	-	15,420.00	5,782.50	-	-	-	-
1.2	20 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm	10		120.00	18.00				15		163.00	373.00	60,799.00	3,730.00	-	44,760.00	6,714.00	-	-	-	5,595.00
1.3	32 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm	40		80.00							120.00	544.44	65,332.80	21,777.60	-	43,555.20	-	-	-	-	-
1.4	40 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 11 CTS. 28.1kg/cm2 (flowguard or ISI Standard.)	Rm		200		1,000.00	100	1,000.00		400		2,700.00	737.20	1,990,440.00	-	147,440.00	-	737,200.00	73,720.00	737,200.00	-	294,880.00
2	Supplying and fixing CPVC:- Chlorinated Poly Vinyl Chloride valve including jointing materials all complete set as per specification and instruction.																					
2.1	15 mm dia CPVC Ball Valve, CTS Socket all complete	Nos								1		1.00	541.04	541.04	-	-	-	-	-	-	-	541.04
2.2	20 mm dia CPVC Ball Valve, CTS Socket all complete	Nos			8.00							8.00	679.68	5,437.44	-	-	5,437.44	-	-	-	-	-
2.3	25 mm dia CPVC Ball Valve, CTS Socket all complete	Nos										-	796.65	-	-	-	-	-	-	-	-	-
2.4	32 mm dia CPVC Ball Valve, CTS Socket all complete	Nos	1		4.00							5.00	1,697.78	8,488.90	1,697.78	-	6,791.12	-	-	-	-	-
2.5	40 mm dia CPVC Ball Valve, CTS Socket all complete	Nos										-	2,009.71	-	-	-	-	-	-	-	-	-
2.6	G.M. 40mm gate valve	Nos		3		6.00	2	4.00				15.00	3,563.97	53,459.55	-	10,691.91	-	21,383.82	7,127.94	14,255.88	-	-
3	Supplying and fixing HDPE water tank with cover including drain hole, inlet, outlet, over flow etc. all complete set.																					
3.1	1000 ltr. HDPE water tank (extra heavy duty) fitting with all complete.	Nos						8.00				8.00	26,776.60	214,212.80	-	-	-	-	-	214,212.80	-	-
C.	SEWER, RAIN AND WASTE WATER INSTALLATION																					

Government of Nepal

Ghodaghodi Municipality
Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

Type of Job: Sanitary Works

ABSTRACT SHEET

Item No.	Description Of Works	Unit	Guard House	Water pond	Toilet	Water tap	Underground water tank	Overhead water tank	Septic tank, soak pit and manhole	Site Dev	Total Quantity	Rate	Amount(NPR)	Remarks	Guard House	Water pond	Toilet	Water tap	Underground water tank	Overhead water tank	Septic tank, soak pit and manhole	Site Dev		
	No of Blocks		1.00	1.00	4.00	6.00	1.00	4.00	4.00	1.00					1.00	1.00	4.00	6.00	1.00	4.00	4.00	1.00		
1	Supplying and fixing UPVC pipe(Soil, Waste, Rain) pipes with all necessary ring gaskets, PVC fittings, including MS clamps, hangers, cutting, jointing, sealing, installation of pipes and specials including making holes and cutting grooves on walls or floor and repairing the same to its original finish. Pipes to be installed on trenches or walls or floor or duct as per drawings specifications (Panchakanya, Prince, Supreme), manufacturer's recommendations, instructions, cleaning of the system, testing and ready for operation. The rate shall include for all labour and materials required. The measurement shall be done for running metres, fittings etc not payable separately.																							
1.1	50mm PVC pipe of 6 kg/cm2	Rm	3		48.00	54.00				5	110.00	257.95	28,374.50		773.85	-	12,381.60	13,929.30	-	-	-	-	1,289.75	
1.2	75mm PVC pipe of 6 kg/cm2	Rm	6		48.00					15	69.00	532.66	36,753.54		3,195.96	-	25,567.68	-	-	-	-	-	7,989.90	
1.3	110mm PVC pipe of 6 kg/cm2	Rm	6		60.00					25	91.00	962.18	87,558.38		5,773.08	-	57,730.80	-	-	-	-	-	24,054.50	
2	Supplying and Fixing UPVC specials with O ring rubber washer, Pvc liquid(Solvent cement), Pvc cream, all complete set as per specification and instruction. (Panchakanya, Prince, Supreme)																							
2.1	50mm dia UPVC 90 degree bend	Nos	2		32.00	12.00					46.00	224.71	10,336.66		449.42	-	7,190.72	2,696.52	-	-	-	-	-	
2.2	50mm dia UPVC 45 degree bend	Nos	2		32.00	12.00					46.00	223.56	10,283.76		447.12	-	7,153.92	2,682.72	-	-	-	-	-	
2.3	75mm dia UPVC 45 degree bend	Nos	2		24.00						26.00	584.26	15,190.76		1,168.52	-	14,022.24	-	-	-	-	-	-	
2.4	75 mm dia UPVC Y-Brance	Nos	2		16.00						18.00	584.26	10,516.68		1,168.52	-	9,348.16	-	-	-	-	-	-	
2.5	110 mm Bend 45 degree bend	Nos	4		40.00						44.00	832.37	36,624.28		3,329.48	-	33,294.80	-	-	-	-	-	-	
2.6	75 mm dia UPVC plain/door Tee.	Nos	1		20.00						21.00	641.76	13,476.96		641.76	-	12,835.20	-	-	-	-	-	-	
2.7	75 mm dia UPVC 90 degree bend	Nos	2		20.00						22.00	584.26	12,853.72		1,168.52	-	11,685.20	-	-	-	-	-	-	
2.8	110 mm dia UPVC vent cowl	Nos	1		8.00						9.00	437.92	3,941.28		437.92	-	3,503.36	-	-	-	-	-	-	
2.9	110 mm dia UPVC plain door Tee	Nos	2		20.00				8.00		30.00	1,016.37	30,491.10		2,032.74	-	20,327.40	-	-	-	-	8,130.96	-	
3	110 mm dia UPVC 90 degrees bend	Nos	3		20.00						23.00	832.37	19,144.51		2,497.11	-	16,647.40	-	-	-	-	-	-	
3.1	110 mm dia Y-Brance	Nos	2		20.00						22.00	1,234.87	27,167.14		2,469.74	-	24,697.40	-	-	-	-	-	-	
3.2	110 mm dia UPVC pipe clip.	Nos	3		24.00						27.00	48.30	1,304.10		144.90	-	1,159.20	-	-	-	-	-	-	
3.3	110*110 mm dia. PVC p-trap	Nos										580.75												
3	Providing and laying non-pressure NP2 class (light duty) and NP3 class (Heavy duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete.																							
3.1	150 mm RCC hume pipe NP2	Rm	30		60.00						90.00	1,814.54	163,308.60		54,436.20	-	108,872.40	-	-	-	-	-	-	
3.2	1200 mm RCC hume pipe NP3	Rm								63	63.00	23,724.51	1,494,644.13			-		-	-	-	-	-	1,494,644.13	
4	WATER TRANSFER PUMP																							
4.1	Supplying and fixing Electric motor pump single or three phase with base, nut and bolts all complete set (Kiroskar, Compton, Servo or eqvt)																							
	2 HP Electric motor water pump multi stage coupled pump (crompton).	Nos		6			2			1	9.00	37,720.00	339,480.00			226,320.00					75,440.00		37,720.00	
4.2	CI Tank cover 24"*24" (50 kg) Square (Locking type)	Nos					2		8.00	10	20.00	12,437.42	248,748.40								24,874.84		99,499.36	124,374.20
4.3	CI cover 22"*22" (20 kg)medium Duty	Nos							60.00	30	90.00	6,687.42	601,867.80										401,245.20	200,622.60
	TOTAL OF SANITARY WORKS												6,619,181.11		152,736.54	384,451.91	1,375,561.96	813,263.44	181,162.78	965,668.68	508,875.52	2,237,460.28		

RATE ANALYSIS SUMMARY			
SN	Items	Unit	Rate/unit
1	Site Clearance and grass cutting, root digging, breaking sods, clearing ground and carrying away from site	m ²	17.99
2	Earthwork excavation (Manual excavation) in Gravel mixed soil in foundation including stacking the soil 1 m from the edge of the foundation and 30m hauling distance and 3m lift all complete as per instruction by site engineer.	m ³	563.82
3	Earthwork excavation (Using hydraulic excavator) in Gravel mixed soil in foundation including stacking the soil 4 m from the edge of the foundation and 30m hauling distance and 3m lift all complete as per instruction by site engineer.	m ³	75.56
4	Earthwork in filling by laying 15-15 cm layer soil with spraying water and compacted by labour	m ³	393.01
5	Providing and soiling with first class chimney made brick on flat in floor of building as per drawings, specification and instruction of the consultant/Engineer, all complete.	m ²	802.45
6	Dry stone soling with sand foundation/floor including sand filling in joint levelling ramming to level including sand filling joints.	m ³	1465.19
7	Filling with sand, water spraying and compaction including transportation from 10m distance.	m ³	817.25
7	Filling with gravel, water spraying and compaction including transportation from 10m distance.	m ³	817.25
8	Single layer of 500 gauge polythene sheet	m ²	159.20
9	First class local chimney made Brickwork in 1:6 C/S mortar on ground floor in perfect line level finished including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.	m ³	13302.17
10	First class local chimney made Brickwork in 1:6 C/S mortar above ground floor in perfect line level finished including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.	m ³	13704.90
11	First class local chimney made Brickwork in 1:4 C/S mortar upto ground floor in perfect line level finished including wetting the bricks, racking the joints and curing the work for at least 7 days all complete.	m ³	13723.36
13	Providing and Laying Rubble masonry works including supply of hard stone blocks, preparing cement mortar (1:6) and construction of wall upto 5 m high (Haulage distance up to 10 m)	m ³	7430.62
14	P.C.C. in 1:3:6 (M10) work for levelling in ground with approved quality of cement and sand and crushed stone aggregate including mixing, laying, curing etc all as per instruction and specification all complete.	m ³	8955.75
15	P.C.C. in 1:2:4 (M15) work for levelling in ground with approved quality of cement and sand and crushed stone aggregate including mixing, laying, curing etc all as per instruction and specification all complete.	m ³	11009.55
16	P.C.C. in 1:1.5:3 (M20) work for levelling in ground with approved quality of cement and sand and crushed stone aggregate including mixing, laying, curing etc all as per instruction and specification all complete.	m ³	13482.42
17	RCC with silica	m ³	17622.42
18	19mm ply formwork for beam, column, slab, staircase, lintel, sill etc.	m ²	1216.80
19	Cutting, bending & placing of reinforcement bars in position as shown in the drawings and binding by GI wire for RCC works with 30 m lead all complete	Kg	146.21
20	38 mm PCC (1:2:4) with punning	m ²	535.42
21	50 mm PCC (1:2:4) with punning	m ²	672.96
22	3mm thick 1:1 CS punning	m ²	262.00
23	Glazed tile in 1:4 C/S mortar	m ²	3506.22
24	Unglazed tile in 1:4 C/s mortar	m ²	5089.36
25	Providing and laying slate on roof all complete as per specification and instruction of site Engineer.	m ²	2122.89
25	Providing and laying kotastone all complete as per specification and instruction of site Engineer.	m ²	2223.83
25	Providing and laying granite all complete as per specification and instruction of site Engineer.	m ²	5089.36
25	Providing and laying 50 mm flagstone on floor all complete as per specification and instruction of site Engineer.	m ²	2173.52
25	Providing and laying 37.5-50 mm flagstone on wall all complete as per specification and instruction of site Engineer.	m ²	1937.84
26	20 mm thick plastering for levelling surface, 1:6 cement sand mortar other than ceiling	m ²	386.72
27	12.5 mm thick plastering for levelling surface, 1:4 cement sand mortar other than ceiling	m ²	334.71
28	20 mm thick plastering for levelling surface, 1:4 cement sand mortar on outer side	m ²	419.47
29	12.5 mm thick lime, surkhi plaster in 1:2 ratio	m ²	602.57

Estimate by

Checked by

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RATE ANALYSIS SUMMARY			
SN	Items	Unit	Rate/unit
30	3/4" thick Panipatti in 1:3 C/S mortar	rm	132.89
31	Neat cement skirting	rm	53.54
32	Salwood frame	m ³	318644.23
33	Carved door	m ²	93886.38
34	Nepali Sal wood work for beam,joist,column etc.(8'-0" to 12'-0")	m ³	284461.47
35	Supplying and fitting Ready made Teak wood Doors, special (Seasoned and Poisoned treated ,one side teak) with all neccessary hardware all complete.	m ²	8025.54
36	Supplying and fitting Ready made Teak wood Doors,ordinary (Seasoned and Poisoned treated ,one side teak and other side water proof ply fitting) with all neccessary hardware all complete.	m ²	7418.70
37	Two coat distemper paint with one coat primer	m ²	309.06
38	2 coats of weather coat of approved colour with one coat primer to give uniform coloring after rendering the surface on wall,column etc over properly cleaned surface all complete.	m ²	309.98
39	2mm thick plain white wall putty on ceiling	m ²	236.97
40	2 coats of ready made enamel paint of approved colour over 1 coats of primer Painting over properly sanded wooden surface all complete.	m ²	359.48
40	Three coats of chapra polish over properly sanded wooden surface with wooden putting all complete as per specification and instruction of the engineer.	m ²	186.53
41	Supply , weilding & fabricating MS pipe railing with redoxide paint all complete as per specification and instruction.	Kg	161.00
42	Supply,fitting and fixing of MS grill made in 4.5mm X 20mm size MS patti frame with 12mm X 12mm solid core square rod grill with sandpapering and prime coat all complete as per instruction of site incharge	m ²	2618.90
43	Supplying and Installation of Gypsum board False Ceiling with GI framing and all accessories complete	m ²	989.92
44	Providing and laying 0.5 mm thick CGI sheet	m ²	1266.64
45	Providing materials and constructing 2ft wide ridge from 0.5mm plain GI sheet and also fixing	m	944.93
46	Providing and fixing tubular roof trusses with rafters, purlins, wind ties, brackets etc., made with medium class mild steel tubes and mild steel sections	Kg	247.67
47	Elastocrete cementitious elastometric water proofing coating 2 components capacity per kg 6 sq.ft 2 coat including supply and applying all complete work	m ²	742.44
48	16 gauge MS gate	m ²	9552.73
49	Chain Link Fence	m ²	2460.69
50	Demolition of walls TLC and removing the material at a distance of 10m	m ²	80.55
51	Demolition of roof of CGI sheet with wooden/metal truss and removing the material at a distance of 10m	m ²	62.77
52	Demolition of wall with mud mortar and removing the material at a distance of 10m	m ³	853.78
53	Turfing	m ²	660.37
54	Staircase railing work with 50mm stainless steel pipe hand railing with 50mm stainless steel pipe vertical post at 2m spacing and three 25mm stainless steel pipe between hand rail and ground on height 750 to 900 mm as per design drawing & specification & instructon site incharge.	m	5280.80
55	Supplying & fixing of spiral staircase with 4"-6" black pipe post medium class, 20mm square pipe railing , 32mm handrail, width of staircase 90cm including red oxide primer coat and necessary fittings	m	11851.62
56	Powder coated door	m ²	10872.42
57	Powder coated window	m ²	14062.06
58	Powder coated window with fixed glass	m ²	11500.00
59	Concrete interlocking block	m ²	1930.12
60	Construction of TLC	m ²	82.26
61	Collapsible Gate	m ²	6257.15
62	Pointing Works	m ²	277.00
63	Desposing of excavated soil	m ³	447.58
64	12.5 mm thick plastering for levelling surface,1:3 cement sand mortar on ceiling	m ²	410.50
65	Mechanically Selvedge Double Twist Wire Mesh Gabion Box (2x1x1) MBG/10x12/2.7/3.4/2.2/ZN	nos	3060.15

Estimate by

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RATE ANALYSIS SUMMARY			
SN	Items	Unit	Rate/unit
66	Providing and Filling Stone /Boulder in gabion boxes/mattress etc Includingdressing,bedding ,bonding all complete as per Drawing and Technical Specification .	m ³	1113.09
67	Providing and Filling Stone /Boulder in gabion boxes/mattress etc Includingdressing,bedding ,bonding all complete as per Drawing and Technical Specification .	m ³	8169.23
68	Providing and laying 3mm fibre glass sheet	m ²	4642.06
69	Geotextile	m ²	165.09
70	Aluminium door	m ²	12992.70
71	Aluminium window	m ²	8855.00

Estimate by

Checked by

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Analysis of Rate

1 Site Clearance and grass cutting, root digging, breaking sods, clearing ground and carrying away from site							Unit: 1 m ²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A	Labour						
	Unskilled	MD	0.023	680.00	15.64		
B	Material						
	Nil						
C	Equipment						
D	Subtotal (A+B+C)				15.64		
E	Contractor's Overhead@ 15% Of(D)				2.35		
	Total(D+E)				17.99		
	Rate per 1 m²				17.99		

2 Earthwork excavation (Manual excavation) in Gravel mixed soil in foundation including stacking the soil 1 m from the edge of the foundation and 30m hauling distance and 3m lift all complete as per instruction by site engineer.							Unit: 1 m ³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A	Labour						
	Unskilled	MD	0.70	680.00	476.00		
B	Material						
	Nil						
C	Equipment						
	@ 3% of (A)	LS	1.00		14.28		
D	Subtotal (A+B+C)				490.28		
E	Contractor's Overhead@ 15% Of(D)				73.54		
	Total(D+E)				563.82		
	Rate per 1 m³				563.82		

3 Earthwork excavation in all type of soil using hydraulic excavation (capacity 0.8 m3) all complete as per instruction by site engineer.							Unit: 1 m ³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A	Labour						
	Unskilled	MD		680.00			
B	Material						
	Diesel	Lt	0.00	150.50	0.00		
C	Equipment						
	Hydraulic Excavator	m3	1.00	65.70	65.70		
D	Subtotal (A+B+C)				65.70		
E	Contractor's Overhead@ 15% Of(D)				9.86		
	Total(D+E)				75.56		
	Rate per 1 m³				75.56		

4 Earthwork in filling by laying 15-15 cm layer soil with spraying water and compacted by labour							Unit: 1 m ³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A	Labour						
	Unskilled	MD	0.50	680.00	340.00		
B	Material						
	water	ltr	5.00	0.35	1.75		
C	Equipment						
D	Subtotal (A+B+C)				341.75		
E	Contractor's Overhead@ 15% Of(D)				51.26		
	Total(D+E)				393.01		
	Rate per 1 m³				393.01		

7 Brick soling							Unit: 1 m ²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A	Labour:						
	Skilled	md	0.50	955.00	477.50		
	Unskilled	md	1.00	680.00	680.00		
B	Material:						
	Sand	m3	0.71	211.73	150.33		
	Brick	No	420.00	13.50	5670.00		
C	Subtotal (A+B)				6977.83		
D	Contractor's Overhead @ 15% of (C)				1046.67		
	Total (C+D)				8024.50		
	Rate per m²				802.45		

5 Dry stone soling with sand foundation/floor including sand filling in joint levelling ramming to level including sand filling joints.							Unit: 1 m ³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A	Labour						
	Skilled	MD		955.00			
	Unskilled	MD	1.50	680.00	1020.00		
B	Material						
	Stone	m ³	1.00	211.73	211.73		

	River Sand	m ³	0.20	211.73	42.35	
C	Equipment					
	Nil					
D	Subtotal (A+B+C)				1274.08	
E	Contractor's Overhead@ 15% Of(D)				191.11	
	Total(D+E)				1465.19	
	Rate per 1 m ²				1465.19	

6	Filling with sand, water spraying and compaction including transportation from 10m distance.					Unit: 1 m3
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u> Unskilled	md	0.70	680.00	476.00	
B.	<u>Material:</u> Sand water	m3 lit.	1.10 5.00	211.73 0.35	232.90 1.75	
C.	Subtotal (A+B)				710.65	
D.	Contractor's Overhead @ 15% of (C)				106.60	
	Total (C+D)				817.25	
	\ Rate per m3				817.25	

6	Filling with sand, water spraying and compaction including transportation from 10m distance.					Unit: 1 m3
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u> Unskilled	md	0.70	680.00	476.00	
B.	<u>Material:</u> Sand water	m3 lit.	1.10 5.00	211.73 0.35	232.90 1.75	
C.	Subtotal (A+B)				710.65	
D.	Contractor's Overhead @ 15% of (C)				106.60	
	Total (C+D)				817.25	
	\ Rate per m3				817.25	

7	Supplying and laying 500micron tear proof good quality polythene above the compacted boulder stone.					Unit: 10 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u> Skilled Unskilled	MD MD	0.60 0.60	955.00 680.00	573.00 408.00	
B	<u>Material</u> 500 Micron Polythene Sheet	m2	11.00	36.67	403.37	
D	Subtotal (A+B+C)				1384.37	
E	Contractor's Overhead@ 15% Of(D)				207.66	
	Total(D+E)				1592.03	
	Rate per m2				159.20	

8	First class local chimney made Brickwork in 1:6 C/S mortar on ground floor in perfect line level finished including wetting the bricks,racking the joints and curing the work for at least 7 days all complete.					Unit:1m³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u> Skilled Unskilled Unskilled	MD MD MD	1.50 2.20 0.20	955.00 680.00 680.00	1432.50 1496.00 136.00	
B	<u>Material</u> Cement Sand Brick water	MT m ³ Nos ltr	0.07 0.30 560.00 100.00	12000.00 211.73 13.50 0.35	840.00 63.52 7560.00 35.00	
C	<u>Equipment</u> 3% of A	LS	1.00		4.08	
D	Subtotal (A+B+C)				11567.10	
E	Contractor's Overhead @15% of (D)				1735.07	
	Total(D+E)				13302.17	
	Rate per 1 m ³				13302.17	

8	First class local chimney made Brickwork in 1:6 C/S mortar above ground floor in perfect line level finished including wetting the bricks,racking the joints and curing the work for at least 7 days all complete.					Unit:1m³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u> Skilled Unskilled Unskilled	MD MD MD	1.50 2.20 0.70	955.00 680.00 680.00	1432.50 1496.00 476.00	
B	<u>Material</u> Cement Sand Brick water	MT m ³ Nos ltr	0.07 0.30 560.00 100.00	12000.00 211.73 13.50 0.35	840.00 63.52 7560.00 35.00	
C	<u>Equipment</u> 3% of A	LS	1.00		14.28	
D	Subtotal (A+B+C)				11917.30	
E	Contractor's Overhead @15% of (D)				1787.60	

		Total(D+E)	13704.90
		Rate per 1 m ³	13704.90

9	First class local chimney made Brickwork in 1:4 C/S mortar upto ground floor in perfect line level finished including wetting the bricks,racking the joints and curing the work for at least 7 days all complete.					Unit:1m³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	1.50	955.00	1432.50	
	Unskilled	MD	2.20	680.00	1496.00	
	Unskilled	MD	0.20	680.00	136.00	
B	<u>Material</u>					
	Cement	MT	0.10	12000.00	1200.00	
	Sand	m ³	0.28	211.73	59.28	
	Brick	Nos	560.00	13.50	7560.00	
	water	ltr	130.00	0.35	45.50	
C	<u>Equipment</u>					
	3% of A	LS	1.00		4.08	
D	Subtotal (A+B+C)					11933.36
E	Contractor's Overhead @15% of (D)					1790.00
	Total(D+E)					13723.36
	Rate per 1 m ³					13723.36

11	Providing and Laying Rubble masonry works including supply of hard stone blocks, preparing cement mortar (1:6) and construction of wall upto 5 m high (Haulage distance up to 10 m)					Unit:1m³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	1.50	955.00	1432.50	
	Unskilled	MD	5.00	680.00	3400.00	
B	<u>Material</u>					
	Cement	MT	0.106	12000.00	1272.00	
	Sand	m ³	0.47	211.73	99.51	
	Block stone	m ³	1.00	211.73	211.73	
	Bond stone	m ³	0.10	211.73	21.17	
	water	ltr	70.00	0.35	24.50	
C	<u>Equipment</u>					
D	Subtotal (A+B+C)					6461.41
E	Contractor's Overhead @15% of (D)					969.21
	Total(D+E)					7430.62
	Rate per 1 m ³					7430.62

12	P.C.C. in 1:3:6 (M10)work for levelling in ground with approved quality of cement and sand and crushed stone aggregate including mixing,laying,curing etc all as per instruction and specification all complete.					Unit: 1 m³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	1.00	955.00	955.00	
	Unskilled	MD	4.00	680.00	2720.00	
B	<u>Material</u>					
	Cement	MT	0.22	12000.00	2640.00	
	River Sand	m ³	0.47	211.73	99.51	
	Crushed agg.40mm down	m ³	0.65	1350.00	877.50	
	Crushed agg.20mm down	m ³	0.24	1890.00	453.60	
	water	ltr	120.00	0.35	42.00	
C	<u>Equipment</u>					
	Nil					
D	Subtotal (A+B+C)					7787.61
E	Contractor's Overhead@ 15% Of(D)					1168.14
	Total(D+E+F)					8955.75

13	P.C.C. in 1:2:4 (M15)work for levelling in ground with approved quality of cement and sand and crushed stone aggregate including mixing,laying,curing etc all as per instruction and specification all complete.					Unit: 1 m³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	1.00	955.00	955.00	
	Unskilled	MD	4.00	680.00	2720.00	
B	<u>Material</u>					
	Cement	MT	0.32	14000.00	4480.00	
	River Sand	m ³	0.445	211.73	94.22	
	Crushed agg.40mm down	m ³	0.52	1350.00	702.00	
	Crushed agg.20mm down	m ³	0.22	1890.00	415.80	
	Crushed agg.10mm down	m ³	0.11	1400.00	154.00	
	water	ltr	150.00	0.35	52.50	
C	<u>Equipment</u>					
	Nil					
D	Subtotal (A+B+C)					9573.52

E	Contractor's Overhead@ 15% Of(D)	1436.03
	Total(D+E)	11009.55

14	P.C.C. in 1:1.5:3 (M20) work for levelling in ground with approved quality of cement and sand and crushed stone aggregate including mixing,laying,curing etc all as per instruction and specification all complete.					Unit: 1 m³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	0.50	955.00	477.50	
	Unskilled	MD	3.50	680.00	2380.00	
B	<u>Material</u>					
	Cement	MT	0.40	14000.00	5600.00	
	River Sand	m ³	0.425	211.73	89.99	
	Crushed agg.20mm down	m ³	0.57	1890.00	1077.30	
	Crushed agg.10mm down	m ³	0.29	1400.00	406.00	
	Water	ltr	200.00	0.35	70.00	
	Diesel	ltr	3.00	150.50	451.50	
	Petrol	ltr	0.10	165.50	16.55	
C	<u>Equipment</u>					
	Vibrator	Hrs	0.25	120.00	30.00	
	Mixer	Hrs	0.60	1875.00	1125.00	
D	Subtotal (A+B+C)					11723.84
E	Contractor's Overhead@ 15% Of(D)					1758.58
	Total(D+E)					13482.42

16	Plywood formworks with steel adjustable pipe props for floor and slab					Unit: 100 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	17.20	955.00	16426.00	
	Unskilled	md	25.70	680.00	17476.00	
B.	<u>Material:</u>					
	19mm board	m ²	16.50	1700.00	28050.00	use for 6 times
	Local wood	m ³	0.232	37053.00	8596.30	
	Iron pipes (NMB50-M)	No.	4.40	1810.00	7964.00	
	Iron nails	Kg	25.00	130.00	3250.00	
C.	<u>Equipment:</u>					
	@ 3% of (A)	LS			1017.06	
D.	Subtotal (A+B+C)					82779.36
E.	Contractor's Overhead @ 15% of (D)					12416.90
	Total (D+E)					95196.26
	\ Rate per 1 sq m					951.96

17	19mm plywood formworks for beam including materials and removing with transportation upto 30m.					Unit: 10 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	2.67	955.00	2549.85	
	Unskilled	md	4.00	680.00	2720.00	
B.	<u>Material:</u>					
	ply board	m ²	1.65	1700.00	2805.00	
	local wood	cum	0.039	37053.00	1445.07	
	steel prop	no.	0.40	1810.00	724.00	
	nails	Kg	2.50	130.00	325.00	
C.	Subtotal (A+B)					10568.92
D.	Contractor's Overhead @ 15% of (C)					1585.34
	Total (C+D)					12154.26
	\ Rate per 1 sq m					1215.43

18	19mm plywood formworks for column including materials,erection,nailing, removing with transportation upto 30m.(formwork on 2m dia column)					Unit: 4.20 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	1.574	955.00	1503.17	
	Unskilled	md	2.361	680.00	1605.48	
B.	<u>Material:</u>					
	ply board	m ²	0.6930	1700.00	1178.10	
	local wood	cum	0.019	37053.00	704.01	
	steel nuts	Kg	0.54	186.00	100.44	
	nails	Kg	2.50	130.00	325.00	
C.	Subtotal (A+B)					5416.20
D.	Contractor's Overhead @ 15% of (C)					812.43
	Total (C+D)					6228.63
	\ Rate per 1 sq m					1483.01

19	Mean Rate of formwork					
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
	Qty.Column / Shear Wall				1483.01	
	Qty.Beam				1215.43	
	Qty. slab				951.96	
	Total				3650.40	

Mean rate of formwork per sq.m						1216.80
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Note:Wood re-use upto 6 times with 25% salvage value (1.6875x1.1x0.7516=0.232)
:Ply re-use upto 6 times with 10% salvage value(100x1.1x0.9/6=16.5)
:Pipe re-use upto 15 times with 25% salvage value(88/15x0.75=4.4)

20 Cutting, bending & placing of reinforcement bars in position as shown in the drawings and binding by GI wire for RCC works with 30 m lead all complete						Unit: 1 Kg	
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A.	<u>Labour:</u>						
	Skilled	md	0.012	955.00	11.46		
	Unskilled	md	0.012	680.00	8.16		
B.	<u>Material:</u>						
	Reinforcement bar (Fe 500)	Kg	1.05	100.60	105.63		
	Binding wire	Kg	0.01	130.00	1.30		
C.	<u>Equipment:</u>						
	@ 3% of (A)	LS			0.59		
D.	Subtotal (A+B+C)					127.14	
E.	Contractor's Overhead @ 15% of (D)					19.07	
	Total (D+E)					146.21	
	\ Rate per 1 Kg					146.21	

21 Providing and Laying 38mm PCC (1:2:4) with 1:1 C/S punning on all rooms						Unit:10 m ²	
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A	<u>Labour</u>						
	Skilled	MD	1.25	955.00	1193.75		
	Unskilled	MD	2.00	680.00	1360.00		
B	<u>Material</u>						
	Cement	MT	0.13	12000.00	1560.00		
	Sand	m ³	0.18	211.73	38.11		
	Aggregate	m ³	0.36	1400.00	504.00		
C	<u>Equipment</u>						
	Nil						
D	Subtotal (A+B+C)					4655.86	
E	Contractor's Overhead @15% of (D)					698.38	
	Total(D+E)					5354.24	
	Rate per 1 m ²					535.42	

22 Providing and Laying 50mm PCC (1:2:4) with 1:1 C/S punning on terrace.						Unit:10 m ²	
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A	<u>Labour</u>						
	Skilled	MD	1.25	955.00	1193.75		
	Unskilled	MD	2.50	680.00	1700.00		
B	<u>Material</u>						
	Cement	MT	0.17	12000.00	2040.00		
	Sand	m ³	0.23	211.73	48.70		
	20mm Aggregate	m ³	0.46	1890.00	869.40		
C	<u>Equipment</u>						
	Nil						
D	Subtotal (A+B+C)					5851.85	
E	Contractor's Overhead @15% of (D)					877.78	
	Total(D+E)					6729.63	
	Rate per 1 m ²					672.96	

23 3mm thick 1:1 cement sand punning						Unit:100 m ²	
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A	<u>Labour</u>						
	Skilled	MD	10.00	955.00	9550.00		
	Unskilled	MD	10.00	680.00	6800.00		
B	<u>Material</u>						
	Cement	MT	0.532	12000.00	6384.00		
	Sand	m ³	0.23	211.73	48.70		
C	<u>Equipment</u>						
	Nil						
D	Subtotal (A+B+C)					22782.70	
E	Contractor's Overhead @15% of (D)					3417.41	
	Total(D+E)					26200.11	
	Rate per 1 m ²					262.00	

24 Providing and laying 6mm porcelain glazed tiles on walls and floor of approved colored laid with cement sand mortar(1:4) finished with white cement including polishing all complete as per specification and instruction of site engineer						Unit: 10 sq m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	13.00	955.00	12415.00	
	Unskilled	md	4.50	680.00	3060.00	

B.	<u>Material:</u>					
	Cement	mt.	0.056	12000.00	672.00	
	Sand	cu.m.	0.152	211.73	32.18	
	White Cement	kg	3.228	33.00	106.52	
	Porcelain glazed tile	sq.m.	11.00	1291.20	14203.20	
D.				Subtotal (A+B+C)	30488.90	
E.				Contractor's Overhead @ 15% of (D)	4573.34	
				Total (D+E)	35062.24	
				\ Rate per 1 sq m	3506.22	

25	Providing and laying kotastone on floor of approved colored laid with cement sand mortar(1:4) finished with white cement including polishing all complete as per specification and instruction of site engineer					Unit: 10 sq m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	2.00	955.00	1910.00	
	Unskilled	md	4.50	680.00	3060.00	
B.	<u>Material:</u>					
	Cement	mt.	0.063	12000.00	756.00	
	Sand	cu.m.	0.171	211.73	36.21	
	White Cement	mt	3.228	211.73	683.46	
	kotastone	sq.m.	11.00	1172.00	12892.00	
D.				Subtotal (A+B+C)	19337.67	
E.				Contractor's Overhead @ 15% of (D)	2900.65	
				Total (D+E)	22238.32	
				\ Rate per 1 sq m	2223.83	

25	Providing and laying 16 to 20 mm th granite on walls and floor of approved colored laid with cement sand mortar(1:4) finished with white cement including polishing all complete as per specification and instruction of site engineer					Unit: 10 sq m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	2.00	955.00	1910.00	
	Unskilled	md	8.00	680.00	5440.00	
B.	<u>Material:</u>					
	Cement	mt.	0.130	12000.00	1560.00	
	Sand	cu.m.	0.183	211.73	38.75	
	White Cement	mt	3.228	33.00	106.52	
	Granite	sq.m.	11.00	3200.00	35200.00	
D.				Subtotal (A+B+C)	44255.27	
E.				Contractor's Overhead @ 15% of (D)	6638.29	
				Total (D+E)	50893.56	
				\ Rate per 1 sq m	5089.36	

25	Providing and laying 50 mm th flagstone on floor of approved colored laid with cement sand mortar(1:4) finished with white cement including polishing all complete as per specification and instruction of site engineer					Unit: 10 sq m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	2.00	955.00	1910.00	
	Unskilled	md	4.50	680.00	3060.00	
B.	<u>Material:</u>					
	cement	mt.	0.063	12000.00	756.00	
	sand	cu.m.	0.171	211.73	36.21	
	flagstone	sq.m.	11.000	1194.36	13137.96	
D.				Subtotal (A+B+C)	18900.17	
E.				Contractor's Overhead @ 15% of (D)	2835.03	
				Total (D+E)	21735.20	
				\ Rate per 1 sq m	2173.52	

25	Providing and laying 38.5-50 mm th flagstone on wall of approved colored laid with cement sand mortar(1:4) finished with white cement including polishing all complete as per specification and instruction of site engineer					Unit: 10 sq m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	2.00	955.00	1910.00	
	Unskilled	md	4.50	680.00	3060.00	
B.	<u>Material:</u>					
	cement	mt.	0.060	12000.00	720.00	
	sand	cu.m.	0.165	211.73	34.94	
	flagstone	sq.m.	11.000	1011.44	11125.84	

D.	Subtotal (A+B+C)					16850.78
E.	Contractor's Overhead @ 15% of (D)					2527.62
	Total (D+E)					19378.40
	\ Rate per 1 sq m					1937.84

26	Providing and laying slate on roof with nails all complete as per specification and instruction of site Engineer.					Unit:1m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	md	0.40	955.00	382.00	
	Unskilled	md	0.50	680.00	340.00	
B	<u>Material</u>					
	slate	sqm	2.40	452.08	1084.99	
	nails	kg	0.30	130.00	39.00	
C	<u>Equipment</u>					
	Nil					
D	Subtotal (A+B+C)					1845.99
E	Contractor's Overhead @15% of (D)					276.90
	Total(D+E)					2122.89
	Rate per 1 m²					2122.89

25	Providing and laying 6mm porcelain non glazed tiles on walls and floor of approved colored laid with cement sand mortar(1:4) finished with white cement including polishing all complete as per specification and instruction of site engineer					Unit: 10 sq m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	13.00	955.00	12415.00	
	Unskilled	md	4.50	680.00	3060.00	
B.	<u>Material:</u>					
	Cement	mt.	0.056	211.73	11.86	
	Sand	cu.m.	0.152	33.00	5.02	
	White Cement	mt	3.228	130.00	419.64	
	Porcelain non glazed tile	sq.m.	11.00	0.00	0.00	
D.	Subtotal (A+B+C)					15911.52
E.	Contractor's Overhead @ 15% of (D)					2386.73
	Total (D+E)					18298.25
	\ Rate per 1 sq m					1829.83

25	Providing and laying timber decks all complete as per specification and instruction of site engineer					Unit: 10 sq m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	1.50	955.00	1432.50	
	Unskilled	md	0.50	680.00	340.00	
B.	<u>Material:</u>					
	Timber	cu.m.	0.050	218385.00	10919.25	
	nails	kg	0.800	130.00	104.00	
	oil	kg	0.250	200.00	50.00	
	primer	kg	0.50	430.00	215.00	
D.	Subtotal (A+B+C)					13060.75
E.	Contractor's Overhead @ 15% of (D)					1959.11
	Total (D+E)					15019.86
	\ Rate per 1 sq m					1501.99

27	20 mm thick plastering for levelling surface,1:6 cement sand mortar other than ceiling					Unit:100 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	14.00	955.00	13370.00	
	Unskilled	MD	19.00	680.00	12920.00	
B	<u>Material</u>					
	Cement	MT	0.570	12000.00	6840.00	
	Sand	m ³	2.35	211.73	497.57	
C	<u>Equipment</u>					
	Nil					
D	Subtotal (A+B+C)					33627.57
E	Contractor's Overhead @15% of (D)					5044.14
	Total(D+E)					38671.71
	Rate per 1 m²					386.72

28	12.5 mm thick plastering for levelling surface,1:4 cement sand mortar other than ceiling					Unit:100 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	12.00	955.00	11460.00	

	Unskilled	MD	16.00	680.00	10880.00	
B	<u>Material</u>					
	Cement	MT	0.538	12000.00	6456.00	
	Sand	m ³	1.46	211.73	309.13	
C	<u>Equipment</u>					
	Nil					
D				Subtotal (A+B+C)	29105.13	
E				Contractor's Overhead @15% of (D)	4365.77	
				Total(D+E)	33470.90	
				Rate per 1 m²	334.71	

29	20 mm thick plastering for levelling surface,1:4 cement sand mortar					Unit:100 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	14.00	955.00	13370.00	
	Unskilled	MD	19.00	680.00	12920.00	
B	<u>Material</u>					
	Cement	MT	0.81	12000.00	9720.00	
	Sand	m ³	2.20	211.73	465.81	
C	<u>Equipment</u>					
	Nil					
D				Subtotal (A+B+C)	36475.81	
E				Contractor's Overhead @15% of (D)	5471.37	
				Total(D+E)	41947.18	
				Rate per 1 m²	419.47	

30	12.5 mm thick lime, surkhi plaster in 1:2 ratio					Unit:100 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	12.00	955.00	11460.00	
	Unskilled	MD	16.00	680.00	10880.00	
B	<u>Material</u>					
	Lime	MT	0.61	21275.00	12977.75	
	Surkhi	m ³	1.22	14000.00	17080.00	
C	<u>Equipment</u>					
	Nil					
D				Subtotal (A+B+C)	52397.75	
E				Contractor's Overhead @15% of (D)	7859.66	
				Total(D+E)	60257.41	
				Rate per 1 m²	602.57	

31	3/4X1.5" thick pani patti in cement sand mortar(1:3)					Unit:1 rm
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	0.025	955.00	23.88	
	Unskilled	MD	0.01	680.00	6.80	
B	<u>Material</u>					
	Cement	MT	0.007	12000.00	84.00	
	Sand	m ³	0.004	211.73	0.85	
	Water proofing	lit	0.0001	275.00	0.03	
D				Subtotal (A+B)	115.56	
E				Contractor's Overhead @15% of (D)	17.33	
				Total(D+E)	132.89	
				Rate per 1rm	132.89	

32	Cement sand skirting 100 mm height					Unit:1 m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	Cement skirting	rm	1.00	46.56	46.56	
				Subtotal (A)	46.56	
				Contractor's Overhead @15% of (D)	6.98	
				Total(D+E)	53.54	
				Rate per 1 rm	53.54	

33	Salwood Door and Window frame					Unit: 1 cu.m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour</u>					
	Skilled	MD	34.00	955.00	32470.00	
	Unskilled	MD	3.40	680.00	2312.00	
B.	<u>Material:</u>					
	Agrakh wood	cu.m	1.10	218385.00	240223.50	
	Holdfast	Nos	92.00	18.57	1708.44	
	Screw Nails	Nos	184.00	2.00	368.00	
				Subtotal	277081.94	
C.				Contractor's Overhead @ 15% of (C)	41562.29	
				Total (C+D)	318644.23	
				\ Rate per cum.	318644.23	

34	Nepali Sal wood work for beam,joist,column etc.(8'-0" to 12'-0")					Unit: 1 cu.m
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S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour</u>					
	Skilled	MD	17.65	955.00	16855.75	
	Unskilled	MD	1.76	680.00	1196.80	
B.	<u>Material:</u>					
	Agrakh wood	cu.m	1.05	218385.00	229304.25	
	Screw Nails	Nos	0.50	2.00	1.00	
				Subtotal	247357.80	
C.				Contractor's Overhead @ 15% of (C)	37103.67	
				Total (C+D)	284461.47	
				\ Rate per cum.	284461.47	

35	Carved door					Unit: 2.35225sqm
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour</u>					
	Head Carver	MD	6.00	955.00	5730.00	
	Carver	MD	47.00	955.00	44885.00	
	Carpenter	MD	4.00	955.00	3820.00	
	Labour	MD	6.00	680.00	4080.00	
B.	<u>Material:</u>					
	Agrakh wood	cu.m	21.57	6190.05	133519.38	
				Subtotal	192034.38	
C.				Contractor's Overhead @ 15% of (C)	28805.16	
				Total (C+D)	220839.54	
				Rate per cum.	93886.38	

36	Supplying and fitting ready made Teak wood doors,special (Seasoned and Poisoned treated one side teak) with all necessary hardware all complete.					Unit:sqm
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	1.61	955.00	1537.55	
	Unskilled	MD	0.161	680.00	109.48	
B	<u>Material</u>					
	Readymade teak wood	m2	1.10	3228.00	3550.80	
	Wooden listy	r.m.	7.434	59.04	438.90	
	Gum	L.S.			20.00	
	100mm Hinge	Nos	3.00	30.00	90.00	
	150mm tower bolt	Nos	2.00	42.00	84.00	
	Mortis lock(Ordinary)	Nos	1.00	1128.00	1128.00	
	Screw nail	L.S.			20.00	
D				Subtotal (A+B+C)	6978.73	
E				Contractor's Overhead @15% of (D)	1046.81	
				Total(D+E)	8025.54	
				Rate per 1 m2	8025.54	

37	Supplying and fitting ready made Teak wood doors,special (Seasoned and Poisoned treated one side teak,and other side water proof ply fittings) with all necessary hardware all complete.					Unit:sq.m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	1.61	955.00	1537.55	
	Unskilled	MD	0.161	680.00	109.48	
B	<u>Material</u>					
	Readymade teak wood	sq.m	1.00	3023.11	3023.11	
	Wooden listy	rm	7.434	59.04	438.90	
	Gum	L.S.			20.00	
	100mm Hinge	Nos	3.00	30.00	90.00	
	150mm tower bolt	Nos	2.00	42.00	84.00	
	Mortis lock	Nos	1.00	1128.00	1128.00	
	Screw nail	L.S.			20.00	
D				Subtotal (A+B+C)	6451.04	
E				Contractor's Overhead @15% of (D)	967.66	
				Total(D+E)	7418.70	
				Rate per 1 m2	7418.70	

38	Colouring with Two coats emulsion paint with one coat primer to give uniform colouring after rendering the surface on wall,ceiling,column,beam,etc as per specification and instruction all complete.					Unit:100 m ²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	5.80	955.00	5539.00	
	Unskilled	MD	5.80	680.00	3944.00	
B	<u>Material</u>					
	Washable emulsion	LT	16.00	892.00	14272.00	
	Primer	LT	8.00	390.00	3120.00	
C	<u>Equipment</u>					
	Nil					
D				Subtotal (A+B+C)	26875.00	
E				Contractor's Overhead @15% of (D)	4031.25	

	Total(D+E)	30906.25
	Rate per 100 m ²	30906.25
	Rate per 1 m ²	309.06

39	2 coats of apex paint (weather coat) of approved colour with one coat primer to give uniform coloring after rendering the surface on wall,column etc over properly cleaned surface all complete.					Unit:100 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	5.80	955.00	5539.00	
	Unskilled	MD	5.80	680.00	3944.00	
B	<u>Material</u>					
	Apex paint	LT	16.00	892.00	14272.00	
	Primer	LT	8.00	400.00	3200.00	
C	<u>Equipment</u>					
	Nil					
D	Subtotal (A+B+C)					26955.00
E	Contractor's Overhead @15% of (D)					4043.25
	Total(D+E)					30998.25
	Rate per 100 m ²					30998.25
	Rate per 1 m ²					309.98

40	2mm thick plain white wall putty on ceiling					Unit:10 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	1.00	955.00	955.00	
	Unskilled	MD	1.00	680.00	680.00	
B	<u>Material</u>					
	Wall putty	kg	10.64	40.00	425.60	
D	Subtotal (A+B+C)					2060.60
E	Contractor's Overhead @15% of (D)					309.09
	Total(D+E)					2369.69
	Rate per 100 m ²					2369.69
	Rate per 1 m ²					236.97

41	2 coats of ready made enamel paint of approved colour over 1 coats of primer Painting over properly sanded wooden surface all complete.					Unit:100 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	12.00	955.00	11460.00	
	Unskilled	MD	8.00	680.00	5440.00	
B	<u>Material</u>					
	Primer	LT	8.10	390.00	3159.00	
	Enamel paint	LT	16.00	700.00	11200.00	
C	<u>Equipment</u>					
	Nil					
D	Subtotal (A+B+C)					31259.00
E	Contractor's Overhead @15% of (D)					4688.85
	Total(D+E)					35947.85
	Rate per 100 m ²					35947.85
	Rate per 1 m ²					359.48

41	3 coats of chapra polish of approved colour over 1 coats of putting over properly sanded wooden surface all complete.					Unit:100 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	10.00	955.00	9550.00	
	Unskilled	MD	5.00	680.00	3400.00	
B	<u>Material</u>					
	Chapra	kg	2.00	760.00	1520.00	
	Spirit	LT	10.00	175.00	1750.00	
C	<u>Equipment</u>					
	Nil					
D	Subtotal (A+B+C)					16220.00
E	Contractor's Overhead @15% of (D)					2433.00
	Total(D+E)					18653.00
	Rate per 100 m ²					18653.00
	Rate per 1 m ²					186.53

42	Providing & fixing of MS grill with sanded and one coat red oxide					Unit: 1 kg
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md				
	Unskilled	md				
B.	<u>Material:</u>					
	all types of black pipes making and fixing	kg	1.00	140.00	140.00	
	primer paint	LS				
C.	<u>Equipment:</u>					

	@ 3% of (A)	LS				
D.	Subtotal (A+B+C)				140.00	
E.	Contractor's Overhead @ 15% of (D)				21.00	
	Total (D+E)				161.00	
	\ Rate per 1 kg				161.00	

43	Supply,fitting and fixing of MS grill made in 4.5mm X 20mm size MS patti frame with 12mm X 12mm solid core square rod grill with sandpapering and prime coat all complete as per instruction of site incharge					Unit: 10 sqm
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<i>Labour:</i>					
	Skilled	md	0.70	955.00	668.50	
	Unskilled	md	0.60	680.00	408.00	
A.	<i>Material:</i>					
	4.5mm X 20mm size MS patti frame	kg	28.24	144.00	4066.56	
	Making and fixing 12mm X 12mm solid core square rod grill	kg	215.00	82.00	17630.00	
C.	Subtotal				22773.06	
D.	Contractor's Overhead @ 15% of (C)				3415.96	
	Total (C+D)				26189.02	
	\ Rate per sq. m.				2618.90	

44	Supplying and Installation of Gypsum board False Ceiling with GI framing and all accessories complete as per drawing, specification and instruction of the consultant/ Engineer all complete					Unit: 1 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	12.5mm thick Gypsum Board False ceiling including all necessary material	Sq.m	1.00	860.80	860.80	
B.	Subtotal				860.80	
C.	Contractor's Overhead @ 15% of (D)				129.12	
	Total (B+D)				989.92	
	\ Rate per m2				989.92	

45	Providing and laying 0.5 mm thick Coloured CGI sheet					Unit: 10 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<i>Labour:</i>					
	Skilled	md	1.10	955.00	1050.50	
	Unskilled	md	1.25	680.00	850.00	
B.	<i>Material:</i>					
	CGI sheet 24 gaze (0.5 mm)	m ²	12.00	642.04	7704.48	
	8 mm nut bolt	nos.	30.00	31.00	930.00	
	J hook	nos.	25.00	10.29	257.25	
	Bitumen washer	nos.	55.00	3.00	165.00	
C.	<i>Equipment:</i>					
	@ 3% of (A)	LS			57.02	
D.	Subtotal (A+B+C)				11014.25	
E.	Contractor's Overhead @ 15% of (D)				1652.14	
	Total (D+E)				12666.39	
	\ Rate per 1 m ²				1266.64	

46	Providing materials and constructing 2ft wide ridge from 0.5mm plain GI sheet and also fixing					Unit:10 rm
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<i>Labour:</i>					
	Skilled	md	2.00	955.00	1910.00	
	Unskilled	md	3.00	680.00	2040.00	
B.	<i>Material:</i>					
	Coloured Plain sheet (0.5 mm)	RM	12.00	349.73	4196.76	
	8 mm nut bolt	LS			70.00	
C.	<i>Equipment:</i>					
D.	Subtotal (A+B+C)				8216.76	
E.	Contractor's Overhead @ 15% of (D)				1232.51	
	Total (D+E)				9449.27	
	\ Rate per 1 rm				944.93	
	Per m²	1574.88				

47	Providing & fixing of MS truss with one coat red oxide					Unit: 18.94 kg
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<i>Labour:</i>					
	Skilled	md	0.687	955.00	656.09	
	Unskilled	md	0.781	680.00	531.08	
B.	<i>Material:</i>					
	all types of black pipes making and fixing	kg	18.94	145.00	2746.30	
	primer paint	LS			110.00	
C.	<i>Equipment:</i>					
	@ 3% of (A)	LS			35.62	
D.	Subtotal (A+B+C)				4079.09	
E.	Contractor's Overhead @ 15% of (D)				611.86	

		Total (D+E)	4690.95
		\ Rate per 1 kg	247.67

48 GI Fascia (eaves)							Unit: 10 m ²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A.	<i>Labour:</i>						
	Skilled	md	1.10	955.00	1050.50		
	Unskilled	md	1.25	680.00	850.00		
B.	<i>Material:</i>						
	1.2mm GI folded plate	m ²	12.00	311.40	3736.80		
	8 mm nut bolt	nos.	30.00	31.00	930.00		
	J hook	nos.	25.00	10.29	257.25		
	Bitumen washer	nos.	55.00	3.00	165.00		
C.	Subtotal (A+B)				6989.55		
D.	Contractor's Overhead @ 15% of (C)				1048.43		
	Total (C+D)				8037.98		
	Rate per 1 m²				803.80		
	Rate per 1 Kg				200.95		

49 Elastocrete cementitious elastomeric water proofing coating 2 components capacity per kg 6 sq.ft 2 coat including supply and applying all complete work as per drawing, specification and direction of the engineer .							Unit: 10 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
	Elastocrete cementitious elastomeric water proofing coating 2 components capacity per kg 6 sq.ft 2 coat	m2	1.00	645.60	645.60		
D.	Subtotal (A+B+C)				645.60		
E.	Contractor's Overhead@ 15% Of(D)				96.84		
	Rate per m2				742.44		

50 Providing and fixing mild steel angle (bracing), 50*50*5mm , 16 gauge MS sheets and mild steel square pipes treated with one coats of primer and two coats of enamel paint, all complete as detailed in drawing, specification and instructions of the Engineer.							Unit: 10 sq.m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A.	<i>Labour:</i>						
	Skilled	md					
	Unskilled	md					
B.	<i>Material:</i>						
	Metal Gate	sq.m	10.00	8306.72	83067.20		
C.	Subtotal				83067.20		
D.	Contractor's Overhead @ 15% of (C)				12460.08		
	Total (C+D)				95527.28		
	\ Rate per sq. m.				9552.73		

51 Providing 1.5 meter high chain link fence having mesh size 50mm x 50mm woven with SWG 10 heavy GI coated wire with 50x50x5 mm ISA line post spaced at 2.5 meter center to center, 50x50x5 mm corner and end post , 50x50x5 mm ISA bracing post at every 15 meter straight run and at every change in direction more than 15 degree and at end and corner post, 40x40x4 mm ISA top and bottom rail including installation of all post by excavating hole (300x300x600) and filling with concrete 1:2:4 (1 cement : 2 sand : 4 stone aggregate 20 mm and down grade), rails, stretching chain link fabric, fixing chain link fabric securely in all post, top and bottom rail, etc., all complete as per drawings, specification and instruction of the Engineer.							Unit: 15 m2
Rate analysis for 15 Sqm							
S. N.	Description	Quantity	Unit	Rate (NRs.)	Amount (NRs.)	Remarks	
Labour	Skilled	7.00	No.	955.00	6685.00		
	Unskilled	5.00	No.	680.00	3400.00	10085.00	
	40*40*4 angle frame	48.40	Kg	110.00	5324.00		
	50*50*5 angle frame	38.48	Kg	110.00	4232.80		
	40*40*3 angle frame	2.70	Kg	110.00	297.00		
	10 S.W.G. I. Chain Link of size 2"x2" wire mess	15.00	Sqm	517.00	7755.00	17608.80	
	Fabrication 15%					2641.32	
	10% for transportation					1760.88	
	Actual rate					32096.00	
	per 1 Sqm				15% overhead	4814.40	
	36910.40	2460.69		Total		36910.40	
	15						

52 Demolition of TLC and removing the material at a distance of 10m							Unit: 1 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	

A	Labour					
	Unskilled	MD	0.1	680.00	68.00	
B	Equipment					
	@ 3% of (A)	LS			2.04	
C	Subtotal (A+B+C)				70.04	
D	Contractor's Overhead@ 15% Of(D)				10.51	
	Total(D+E)				80.55	
	Rate per 1 m2				80.55	

53	Demolition of roof of sheet with wooden/metal truss removing the material at a distance of 10m					Unit: 1 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	Labour					
	Skilled	MD	0.027	955.00	25.79	
	Unskilled	MD	0.04	680.00	27.20	
B	Equipment					
	@ 3% of (A)	LS			1.59	
C	Subtotal (A+B+C)				54.58	
D	Contractor's Overhead@ 15% Of(D)				8.19	
	Total(D+E)				62.77	
	Rate per 1 m2				62.77	

54	Demolition of wall with mud mortar and removing the material at a distance of 10m					Unit: 1 m3
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	Labour					
	Unskilled	MD	1.06	680.00	720.80	
B	Equipment					
	@ 3% of (A)	LS			21.62	
C	Subtotal (A+B+C)				742.42	
D	Contractor's Overhead@ 15% Of(D)				111.36	
	Total(D+E)				853.78	
	Rate per 1 m2				853.78	

55	Providing and Laying of grass (local duboo with root carrying and anchoring with 8" bamboo peg and watering for 10 days(on soil) near Retaining wall), all complete as per specification and instructions of the Engineer.					Unit: 100 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	Labour					
	Unskilled	MD	5.04	680.00	3,427.20	
B	Equipment					
	Dubo	Sqm	100	538.00	53,800.00	
	Compost Manure	Kg	7	28.00	196.00	
C	Subtotal (A+B+C)				57,423.20	
D	Contractor's Overhead@ 15% Of(D)				8,613.48	
	Total(D+E)				66,036.68	
	Rate per 1 m2				660.37	

56	Staircase railing work with 50mm stainless steel pipe hand railing with 50mm stainless steel pipe vertical post at 2m spacing and three 25mm stainless steel pipe between hand rail and ground on height 750 to 900 mm as per design drawing & specification & instructon site incharge.					Unit:1 m
SN	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	Material					
	50 mm Stainless pipe hand railing	rm	1.000	4592.000	4592.000	
	Subtotal (A+B+C)				4592.00	
	Contractor's Overhead @ 15% of (D)				688.80	
	Total (D+E)				5280.80	
	\ Rate per rm				5280.80	

57	Supplying & fixing of spiral staircase with 4"-6" black pipe post medium class, 20mm square pipe railing , 32mm handrail, width of staircase 90cm including red oxide primer coat and necessary fittings					Unit:1 m
S.N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	Material					
	Spiral staircase	rm	1.000	10305.760	10305.760	
	Subtotal (A+B+C)				10305.76	
	Contractor's Overhead @ 15% of (D)				1545.86	
	Total (D+E)				11851.62	
	\ Rate per rm				11851.62	

58	Powder Coated Door without ventilation					Unit: 1 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	Material:					
	Door	m2	1.00	9454.28	9454.28	
C.	Subtotal				9454.28	
D.	Contractor's Overhead @ 15% of (C)				1418.14	
	Total (C+D)				10872.42	
	\ Rate per Sqm				10872.42	

59 Powder Coated Window with grill							Unit: 1 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A.	<u>Material:</u> Window	m2	1.00	12227.88	12227.88		
C.	Subtotal				12227.88		
D.	Contractor's Overhead @ 15% of (C)				1834.18		
	Total (C+D)				14062.06		
	\ Rate per sqm				14062.06		

60 Powder Coated Window with grill with fixed glass							Unit: 1 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A.	<u>Material:</u> Window	m2	1.00	10000.00	10000.00		
C.	Subtotal				10000.00		
D.	Contractor's Overhead @ 15% of (C)				1500.00		
	Total (C+D)				11500.00		
	\ Rate per sqm				11500.00		

61 60mm concrete interlocking block							Unit: 10 Sqm
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A.	<u>Labour:</u>						
	Skilled	md	1.00	955.00	955.00		
	Unskilled	md	3.00	680.00	2040.00		
	Unskilled	md	7.00	680.00	4760.00		
B.	<u>Material:</u>						
	Interlocking block	Sqm	11.00	774.72	8521.92		
	Stone dust(Area*6cm)	Sqm	0.55	40.92	22.51		
	Stone dust	Cu.m	0.71	682.00	484.22		
D.	Subtotal (A+B+C)				16783.65		
E.	Contractor's Overhead @ 15% of (D)				2517.55		
	Total (D+E)				19301.20		
	\ Rate per 1 Sqm				1930.12		

62 Construction of TLC							Unit: 1 m2
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A	<u>Labour</u>						
	Skilled	MD	0.03	955.00	28.65		
	Unskilled	MD	0.06	680.00	40.80		
B	<u>Equipment</u>						
	@ 3% of (A)	LS			2.08		
C	Subtotal (A+B+C)				71.53		
D	Contractor's Overhead@ 15% Of(D)				10.73		
	Total(D+E)				82.26		
	Rate per 1 m2				82.26		

63 Collapsible gate							Unit: 10 sq.m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A.	<u>Labour:</u>						
	Skilled	md					
	Unskilled	md					
B.	<u>Material:</u>						
	Collapsible gate	sq.m	10.00	5441.00	54410.00		
C.	Subtotal				54410.00		
D.	Contractor's Overhead @ 15% of (C)				8161.50		
	Total (C+D)				62571.50		
	\ Rate per sq. m.				6257.15		

64 12.5 mm thick plastering for levelling surface,1:3 cement sand mortar on ceiling							Unit:100 m ²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	
A	<u>Labour</u>						
	Skilled	MD	15.00	955.00	14325.00		
	Unskilled	MD	20.00	680.00	13600.00		
B	<u>Material</u>						
	Cement	MT	0.625	12000.00	7500.00		
	Sand	m ³	1.28	211.73	271.01		
C	<u>Equipment</u>						
	Nil						
D	Subtotal (A+B+C)				35696.01		
E	Contractor's Overhead @15% of (D)				5354.40		
	Total(D+E)				41050.41		
	Rate per 1 m ²				410.50		

65 Providing material and laying 1:2 cement sand Ruled pointing works true to line and level as per instructions including chipping, hacking and wetting of surface, scaffolding, curing, etc.							Unit:100 Sqm
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks	

A	<u>Labour</u>				
	Skilled	MD	10.000	955.00	9550.00
	Unskilled	MD	14.00	680.00	9520.00
B	<u>Material</u>				
	Cement	MT	0.408	12000.00	4896.00
	Sand	m ³	0.570	211.73	120.69
D	Subtotal (A+B)				24086.69
E	Contractor's Overhead @15% of (D)				3613.00
	Total(D+E)				27699.69
	Rate per 1 sq.m				277.00

66	Disposing of excavated soil by 3 T capacity truck upto haulage distance of 2.5 Km as per instruction of site engineer					Unit: 1 m³
	Fuel rate (Disel)	F	96.50	96.50		
	Mini Truck Rent(Per Hour/3cum)	R	300	100		
	Unskilled man	LR	680.00	680.00		
	Speed for sindhuli	V1	20km/hour	20		
	Distance for site to disposal site	D1	2.5 km	2.5		
	Formula					
	T=2*d1/v1		2x6/20	0.25		
	Labour	0.4xL R	272	272		
	Fuel(Disel)	3.2xTx F	3.2xTx10	77.2		
	Equipment	0.4(T+0.75)*10	40	40		
	Total Rate for 10km/cum			389.20		
	15% overheadcharge			58.38		
				/m3	447.58	
67	Mechanically Selvedge Double Twist Wire Mesh Gabion Box (2x1x1) MBG/10x12/2.7/3.4/2.2/ZN					Unit: per box
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Material</u>					
	2mx1mx1m	nos	1	2661.00	2,661.00	
	Subtotal (B)				2,661.00	
	Contractor's Overhead@ 15% Of(B)				399.15	
	Total(A+B)				3,060.15	
	Rate per 1 box				3,060.15	

68	Providing and Filling Stone /Boulder in gabion boxes/mattress etc Includingdressing,bedding ,bonding all complete as per Drawing and Technical Specification .					Unit: per 10cum
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	2	955.00	1,910.00	
	Unskilled	MD	8	680.00	5,440.00	
B	<u>Material</u>					
	Boulder /Stone	cum	11	211.73	2,329.03	
C	Subtotal (A+B)				9,679.03	
D	Contractor's Overhead@ 15% Of(C)				1,451.85	
	Total(C+D)				11,130.88	
	Rate per 1 m3				1,113.09	

69	Providing and Laying Rubble masonry works including supply of hard stone blocks, preparing cement mortar (1:4) and construction of wall upto 5 m high (Haulage distance up to 10 m)					Unit:1m³
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Labour</u>					
	Skilled	MD	1.50	955.00	1432.50	
	Unskilled	MD	5.00	680.00	3400.00	
B	<u>Material</u>					
	Cement	MT	0.159	12000.00	1908.00	
	Sand	m ³	0.45	211.73	95.28	
	Block stone	m ³	1.00	211.73	211.73	
	Bond stone	m ³	0.10	211.73	21.17	
	water	litr	100.00	0.35	35.00	
C	<u>Equipment</u>					
D	Subtotal (A+B+C)				7103.68	
E	Contractor's Overhead @15% of (D)				1065.55	
	Total(D+E)				8169.23	
	Rate per 1 m³				8169.23	

70	Providing and laying 3mm fibre glass sheet					Unit: 10 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	1.10	955.00	1050.50	
	Unskilled	md	1.25	680.00	850.00	
B.	<u>Material:</u>					
	3mm fibre glass	m ²	12.00	3088.00	37056.00	
	8 mm nut bolt	nos.	30.00	31.00	930.00	
	J hook	nos.	25.00	10.29	257.25	

	Bitumen washer	nos.	55.00	3.00	165.00	
C.	<u>Equipment:</u>					
	@ 3% of (A)	LS			57.02	
D.	Subtotal (A+B+C)				40365.77	
E.	Contractor's Overhead @ 15% of (D)				6054.87	
	Total (D+E)				46420.64	
	\ Rate per 1 m ²				4642.06	
71	Supplying and fixing SEALGUARD GEOTEX [P] -Polyester Geotextile behind retaining wall/breast wall before backfilling as per instruction of site engineer.					Unit: 1 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	0.00	955.00	0.00	
	Unskilled	md	0.017	680.00	11.56	
B.	<u>Material:</u>					
	SEALGUARD GEOTEX [P] -Polyester Geotextile	m ²	1.20	110.00	132.00	
D.	Subtotal (A+B+C)				143.56	
E.	Contractor's Overhead @ 15% of (D)				21.53	
	Total (D+E)				165.09	
	\ Rate per 1 m ²				165.09	
72	Aluminium door					Unit: per box
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Material:</u>					
	Door	nos	1	11298.00	11,298.00	
	Subtotal (B)				11,298.00	
	Contractor's Overhead@ 15% Of(B)				1,694.70	
	Total(A+B)				12,992.70	
	Rate per 1 box				12,992.70	
73	Aluminium window					Unit: per box
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A	<u>Material:</u>					
	Aluminium window	nos	1	7700.00	7,700.00	
	Subtotal (B)				7,700.00	
	Contractor's Overhead@ 15% Of(B)				1,155.00	
	Total(A+B)				8,855.00	
	Rate per 1 box				8,855.00	
74	3mm thick UPVC sheet					Unit: 10 m²
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	1.10	955.00	1050.50	
	Unskilled	md	1.25	680.00	850.00	
B.	<u>Material:</u>					
	UPVC sheet	m ²	12.00	1400.00	16800.00	
	Self tapping screw 3"	nos.	28.00	30.00	840.00	
	Clip	nos.	14.00	26.00	364.00	
C.	<u>Equipment:</u>					
	@ 3% of (A)	LS				
D.	Subtotal (A+B+C)				19904.50	
E.	Contractor's Overhead @ 15% of (D)				2985.68	
	Total (D+E)				22890.18	
	\ Rate per 1 m ²				2289.02	
75	3mm thick UPVC ridge cover					Unit: 10 m
S. N.	Description	Unit	Quantity	Rate (NRs.)	Amount (NRs.)	Remarks
A.	<u>Labour:</u>					
	Skilled	md	1.50	955.00	1432.50	
	Unskilled	md	1.00	680.00	680.00	
B.	<u>Material:</u>					
	UPVC sheet	m ²	12.00	1400.00	16800.00	
	Self tapping screw 2.5"	nos.	28.00	20.00	560.00	
	Clip	nos.	14.00	26.00	364.00	
C.	<u>Equipment:</u>					
	@ 3% of (A)	LS				
D.	Subtotal (A+B+C)				19836.50	
E.	Contractor's Overhead @ 15% of (D)				2975.48	
	Total (D+E)				22811.98	
	\ Rate per 1 m				2281.20	

1

I.P W C. COMODE with low level cistern complete set.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	955.00	2,865.00	4,905.00
	un skilled	3	nos	680.00	2,040.00	
materials	a. Porcelain clay white glaze Indian Pattern Comode (Hindware Paryware, bolan or equivalent) regular	1	nos	3,600.00	3,600.00	11,943.00
	c.10.0 ltr.porcelain clay low level flushing cistern complete accessories(Internal PVC fittings)	1	nos	6,825.00	6,825.00	
	c .Bakelite toilet seat cover	1	nos	276.00	276.00	
	c. 3.2x60 Cm (1 1/4"x24") flushing CP pipe	1	nos	971.00	971.00	
	d. 1.5x45 CM (1/2" x18") PVC pipe connector	1	nos	231.00	231.00	
	e. screw, etc.	Ls			40.00	
Total rate						16,848.00
Actual Rate						16,848.00
15% contractor overhead						2,527.20
Total (Rs.)						19,375.20

Rate per set Rs. 19375.20

2

580 mm Porcelain clay white glaze Orissa Pan complete set

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	955.00	2,865.00	4,905.00
	un skilled	3	nos	680.00	2,040.00	
materials	a. 580 mm Porcelain clay white glaze Orissa Pan	1	nos	1,215.00	1,215.00	6,066.00
	b.10.0 ltr.porcelain clay low level flushing cistern complete accessories(Internal PVC fittings)	1	nos	4,110.00	4,110.00	
	c. 3.2x60 Cm (1 1/4"x24") flushing CP pipe	1	nos	510.00	510.00	
	d. 1.5x45 CM (1/2" x18") PVC pipe connector	1	nos	231.00	231.00	
Total rate						10,971.00
Actual rate						10,971.00
15% contractor overhead						1,645.65
Total (Rs.)						12,616.65

Rate per set Rs. 12616.65

3

50x40cm OVAL WASH BASIN with mixer COMPLETE SET

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	955.00	1,910.00	3,270.00
	un skilled	2	nos	680.00	1,360.00	
materials	a. 50x40cm Porcelain clay Oval white glaze Wash basin (Hindware, Paryware, Classica, cera or equivalent) regular	1	nos	3,675.00	3,675.00	6,148.00
	b. 32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug etc.	1	nos	971.00	971.00	
	1.5x45CM (1/2"x18")Pipe Connector	2	nos	231.00	462.00	
	c. 15 mm CP basin mixer jaquar,Partware or equivalent	1	nos	1,000.00	1,000.00	
	d. screw etc	Ls			40.00	
Total Rate						9,418.00
Actual rate						9,418.00
15% contractor overhead						1,412.70
Total (Rs.)						10,830.70

Rate per set Rs. 10830.70

4

Kitchen Sink 37" long stainless steel

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	2	nos	955.00	1,910.00	2,590.00
	un skilled	1	nos	680.00	680.00	
materials	a. Stainless steel, 19"x16" size Bowl with drain board, Ordinary type	1	sets	2,314.00	2,314.00	4,242.00
	b. Pvc bottle trap with 32mm Dia CP waste coupling with CP chain and rubber.	1	nos	476.00	476.00	
	c. 1/2" dia CP sink cock.	1	nos	1,309.00	1,309.00	
	d. 1.5x45CM (1/2"x18")Pipe Connector	1	nos	143	143.00	
	e.Zinc Oxide Screw	1s				
Total Rate						6,832.00
Actual rate						6,832.00
15% contractor overhead						1,024.80
Total (Rs.)						7,856.80

Rate per set Rs. 7856.80

5

45*35 cm white glazed squatting plate urinal set

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	955.00	1,910.00	2,590.00
	un skilled	1	nos	680.00	680.00	
materials	45*35 cm white glazed squatting plate urinal set	1	nos	1,212.00	1,212.00	1,212.00
Total rate						3,802.00
Actual rate						3,802.00
15% contractor overhead						570.30
Total (Rs.)						4,372.30

4372.30

6

15mm CP Bib Cock

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	105.05
materials	15mm CP bib cock	1	nos	1,000.00	1,000.00	1,000.00
Total rate						1,105.05
Actual rate						1,105.05
15% contractor overhead						165.76
Total (Rs.)						1,270.81

Rate per nos Rs. 1270.81

7

15mm Stainless Steel Bib Cock

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	105.05
materials	a. 15mm Stainless Steel bib cock	1	nos	4,425.00	4,425.00	4,425.00
Total rate						4,530.05
Actual rate						4,530.05
15% contractor overhead						679.51
Total (Rs.)						5,209.56

Rate per nos Rs. 5209.56

8

15mm Auto closing Bib Cock with aerator

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	105.05
materials	a. 15mm Auto closing bib cock with aerator	1	nos	2,743.00	2,743.00	2,743.00

Total rate		2,848.05
Actual rate		2,848.05
15% contractor overhead		427.21
Total (Rs.)		3,275.26

Rate per nos Rs. **3275.26**

9

15mm Urinal Auto closing Valve with built in control cock

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	105.05
materials	a. 15mm Urinal Auto closing valve with built - in control cock	1	nos	2,829.00	2,829.00	2,829.00
Total rate						2,934.05
Actual rate						2,934.05
15% contractor overhead						440.11
Total (Rs.)						3,374.16

Rate per nos Rs. **3374.16**

10

C.P. 15mm Angle valve

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	105.05
materials	a. 15mm fancy type angle valve	1	nos	1,244.00	1,244.00	1,244.00
Total rate						1,349.05
Actual rate						1,349.05
15% contractor overhead						202.36
Total (Rs.)						1,551.41

Rate per nos Rs. **1551.41**

11

15mm two way angle valve

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	105.05
materials	a. 15mm two way angle valve	1	nos	1,157.00	1,157.00	1,157.00
Total rate						1,262.05
Actual rate						1,262.05
15% contractor overhead						189.31
Total (Rs.)						1,451.36

Rate per nos Rs. **1451.36**

12

1.5cm C.P. Water Spray

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.25	nos	955.00	238.75	354.35
	un skilled	0.17	nos	680.00	115.60	
materials	a. Water spray (Health faucet) with 1.2 m. long flexible pipe.	1	sets	1,146.00	1,146.00	1,146.00
Total rate						1,500.35
Actual rate						1,500.35
15% contractor overhead						225.05
Total (Rs.)						1,725.40

Rate per No Rs. **1725.40**

13

CHROME PLATE TOILET PAPER HOLDER

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	105.05

materials	a.Chrome plate toilet paper holder	1	nos	510.00	510.00	550.00
	b.Zink oxide screw etc.	Ls			40.00	
Total rate						655.05
Actual rate						655.05
15% contractor overhead						98.26
Total (Rs.)						753.31

Rate per nos Rs. 753.31

14

PVC FLOOR TRAP 11x7.5cm (4" X 2½")

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	173.05
	un skilled	0.10	nos	680.00	68.00	
materials	Floor Trap 11x7.5cm (4" X 2½")	1	nos	280.00	280.00	280.00
Total rate						453.05
Actual rate						453.05
15% contractor overhead						67.96
Total (Rs.)						521.01

Rate per nos Rs. 521.01

15

CP Grab bar European Pattern 300mm long bend type Grohe,Essel or Equivalent

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled(1/9)	0.22	nos	955.00	210.10	210.10
materials	CP Grab bar European Pattern 300mm long bend type Grohe,Essel or Equivalent	1	nos	4,786.00	4,786.00	4,826.00
	b. Zink oxide screw etc.	Ls			40.00	
Total rate						5,036.10
Actual rate						5,036.10
15% contractor overhead						755.42
Total (Rs.)						5,791.52

Rate per nos Rs. 5791.52

16

CHROME PLATE SOAP DISH.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	105.05
materials	a.C.P Soap dish	1	nos	551.00	551.00	591.00
	b.Zink oxide screw etc.	Ls			40.00	
Total rate						696.05
Actual rate						696.05
15% contractor overhead						104.41
Total (Rs.)						800.46

Rate per nos Rs. 800.46

17

Stainless Steel towel rod 1.5x45cm (½"x18")

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	955.00	210.10	210.10
materials	a. Stainless Steel Towel rod	1	nos	1,102.00	1,102.00	1,142.00
	b. Screws etc.	Ls			40.00	
Total rate						1,352.10
Actual rate						1,352.10
15% contractor overhead						202.82
Total (Rs.)						1,554.92

Rate per nos Rs. 1554.92

18

Looking Mirror Modi guard 450x600mm (18"x 24")

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.33	nos	955.00	315.15	315.15
	un skilled					
materials	a.Bevelled edge looking mirror 50x40 cm	1	nos	1,102.00	1,102.00	1,142.00
	b . Screws	Ls			40.00	
Total rate						1,457.15
Actual rate						1,457.15
15% contractor overhead						218.57
Total (Rs.)						1,675.72

Rate per nos Rs. 1675.72

19

CPVC Pipe SDR 11, 15mm (1/2") CTS

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.01	nos	955.00	9.55	16.35
	un skilled	0.01	nos	680.00	6.80	
materials	a. 15 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	133.00	133.00	263.00
	b. Cpvc fittings	Ls			100.00	
	c. Jointing materials (flow guard adesive soln)	Ls			30.00	
Total rate						279.35
Actual rate						279.35
15% contractor overhead						41.90
Total (Rs.)						321.25

Rate per Rm Rs. 321.25

20

CPVC Pipe SDR 11, 20mm (3/4") CTS

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.01	nos	955.00	9.55	16.35
	un skilled	0.01	nos	680.00	6.80	
materials	a. 20 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	178.00	178.00	308.00
	b. Cpvc fittings	Ls			100.00	
	c. Jointing materials (flow guard adesive soln)	Ls			30.00	
Total rate						324.35
Actual rate						324.35
15% contractor overhead						48.65
Total (Rs.)						373.00

Rate per Rm Rs. 373.00

21

CPVC Pipe SDR 11, 25mm (1") CTS

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.01	nos	955.00	9.55	16.35
	un skilled	0.01	nos	680.00	6.80	
materials	a. 25 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	248.00	248.00	398.00
	b. Cpvc fittings	Ls			120.00	
	c. Jointing materials (flow guard adesive soln)	Ls			30.00	
Total rate						414.35
Actual rate						414.35
15% contractor overhead						62.15
Total (Rs.)						476.50

Rate per Rm Rs. 476.50

22

CPVC Pipe SDR 11 , 32mm (1 1/4") CTS

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	955.00	10.51	

	un skilled	0.019	nos	680.00	12.92	23.43
materials	a. 32 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	300.00	300.00	450.00
	b. Cpvc fittings	Ls			120.00	
	c. Jointing materials (flow guard adesive soln)	Ls			30.00	
Total rate						473.43
Actual rate						473.43
15% contractor overhead						71.01
Total (Rs.)						544.44

Rate per Rm Rs. **544.44**

23

CPVC Pipe SDR 11, 40mm (1 1/2") CTS

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	955.00	10.51	23.43
	un skilled	0.019	nos	680.00	12.92	
materials	a. 40 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	417.61	417.61	617.61
	b. Cpvc fittings	Ls			150.00	
	c. Jointing materials (flow guard adesive soln)	Ls			50.00	
Total rate						641.04
Actual rate						641.04
15% contractor overhead						96.16
Total (Rs.)						737.20

Rate per Rm Rs. **737.20**

24

CPVC Pipe SDR 11, 50mm (2") CTS

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.011	nos	955.00	10.51	23.43
	un skilled	0.019	nos	680.00	12.92	
materials	a. 50 mm CPVC Pipe SDR 11 CTS, 28.1 kg/cm2	1	Rm	677.37	677.37	902.37
	b. Cpvc fittings	Ls			150.00	
	c. Jointing materials (flow guard adesive soln)	Ls			75.00	
Total rate						925.80
Actual rate						925.80
15% contractor overhead						138.87
Total (Rs.)						1,064.67

Rate per Rm Rs. **1064.67**

25

CPVC CTS.15 mm ball Valve(1/2")

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	470.47
materials	a. 15 mm CPVC ball valve, CTS sockets,	1	set	365.42	365.42	
Total rate						470.47
Actual rate						470.47
15% contractor overhead						70.57
Total (Rs.)						541.04

Rate per Rm Rs. **541.04**

26

CPVC CTS. 20 mm ball Valve(3/4")

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	591.03
materials	a. 20 mm CPVC ball valve, CTS sockets,	1	set	485.98	485.98	
Total rate						591.03

Rate per Rm Rs.	679.68	Actual rate		591.03
		15% contractor overhead		88.65
		Total (Rs.)		679.68

27

CPVC CTS. 25 mm ball Valve (1")

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	692.74
materials	a. 25 mm CPVC ball valve, CTS sockets,	1	set	587.69	587.69	
Total rate						692.74
Actual rate						692.74
15% contractor overhead						103.91
Total (Rs.)						796.65

Rate per Rm Rs. 796.65

28

CPVC CTS. 32 mm ball Valve (1 1/4")

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	1,476.33
materials	a. 32 mm CPVC ball valve, CTS sockets,	1	set	1,371.28	1,371.28	
Total rate						1,476.33
Actual rate						1,476.33
15% contractor overhead						221.45
Total (Rs.)						1,697.78

Rate per Rm Rs. 1697.78

29

CPVC CTS. 40 mm ball Valve (1 1/2")

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	1,747.57
materials	a. 40 mm CPVC ball valve, CTS sockets,	1	set	1,642.52	1,642.52	
Total rate						1,747.57
Actual rate						1,747.57
15% contractor overhead						262.14
Total (Rs.)						2,009.71

Rate per Rm Rs. 2009.71

30

CPVC CTS. 50 mm ball Valve (2")

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	2,222.25
materials	a. 50 mm CPVC ball valve, CTS sockets,	1	set	2,117.20	2,117.20	
Total rate						2,222.25
Actual rate						2,222.25
15% contractor overhead						333.34
Total (Rs.)						2,555.59

Rate per Rm Rs. 2555.59

31

G.M 50mm gate valve

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.44	nos	955.00	420.20	420.20
materials	a.50 mm gate valve	1	nos	4,599.00	4,599.00	4,599.00
Total rate						5,019.20
Actual rate						5,019.20

15% contractor overhead		752.88
Total (Rs.)		5,772.08

32

1000 litre HDPE WATER TANK

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	955.00	2,865.00	5,585.00
	un skilled	4	nos	680.00	2,720.00	
materials	a. 1000 liter HDPEI with Inlet, outlet, over flow, cleanout hole etc. all compete	1	nos	13,000.00	13,000.00	13,000.00
Total rate						18,585.00
Actual rate						18,585.00
15% contractor overhead						2,787.75
Total (Rs.)						21,372.75

Rate per nos Rs. **21372.75**

32

1000 litre stainless steel WATER TANK

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	955.00	2,865.00	5,585.00
	un skilled	4	nos	680.00	2,720.00	
materials	a. 1000 liter stainless steel water tank 304 grade steel with Inlet, outlet, over flow, cleanout hole etc. all compete	1	nos	17,699.00	17,699.00	17,699.00
Total rate						23,284.00
Actual rate						23,284.00
15% contractor overhead						3,492.60
Total (Rs.)						26,776.60

Rate per nos Rs. **26776.60**

33

2000 litre stainless steel WATER TANK

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	955.00	2,865.00	6,945.00
	un skilled	6	nos	680.00	4,080.00	
materials	a. 2000 liter stainless steel water tank 304 grade steel with Inlet, outlet, over flow, cleanout hole etc. all compete	1	nos	32,743.00	32,743.00	32,928.00
	b.Tanki nipples etc.	Ls			185.00	
Total rate						39,873.00
Actual rate						39,873.00
15% contractor overhead						5,980.95
Total (Rs.)						45,853.95

Rate per nos Rs. **45853.95**

34

2 H.P. Electrical motor water pump Multi stage, coupled pump (Crompton)

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	955.00	3,820.00	5,860.00
	un skilled	3	nos	680.00	2,040.00	
materials	a.2 H P Electricmotor pump with base plate nuts, bolts etc.set crompton	1	nos	26,900.00	26,900.00	26,940.00
	b.Zink oxide screws etc.	Ls			40.00	
Total rate						32,800.00
Actual rate						32,800.00

Rate per nos Rs. 37720.00

15% contractor overhead		4,920.00
Total (Rs.)		37,720.00

35

50 mm dia PVC PIPE 6 KG/CM. SQ.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled(1/18)	0.06	nos	955.00	57.30	125.30
	un skilled(1/10)	0.10	nos	680.00	68.00	
materials	a.50 mm dia. Pvc pipe	1	RM	99.00	99.00	99.00
	b. Jointing materialsetc.		Ls			
Total rate						224.30
Actual rate						224.30
15% contractor overhead						33.65
Total (Rs.)						257.95

Rate per Rm Rs. 257.95

36

75 mm dia PVC PIPE 6 KG/CM. SQ

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	179.85
	un skilled	0.11	nos	680.00	74.80	
materials	a.75 mm dia. Pvc pipe	1	Rm	258.33	258.33	283.33
	b. Jointing materialsetc.		Ls		25.00	
Total rate						463.18
Actual rate						463.18
15% contractor overhead						69.48
Total (Rs.)						532.66

Rate per Rm Rs. 532.66

37

110 mm dia PVC PIPE 6 KG/CM. SQ

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.17	nos	955.00	162.35	298.35
	un skilled	0.20	nos	680.00	136.00	
materials	a.110 m dia. Pvc pipe	1	Rm	513.33	513.33	538.33
	b. Jointing material setc.		Ls		25.00	
Total rate						836.68
Actual rate						836.68
15% contractor overhead						125.50
Total (Rs.)						962.18

Rate per nos Rs. 962.18

38

Motor Starter Switch

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.25	nos	955.00	238.75	354.35
	un skilled	0.17	nos	680.00	115.60	
materials	a. Motor Starter Switch (Crompton)	1	nos	3,398.00	3,398.00	3,398.00
Total rate						3,752.35
Actual rate						3,752.35
15% contractor overhead						562.85
Total (Rs.)						4,315.20

Rate per set Rs. 4315.20

39

G.M. 40mm gate valve

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.22	nos	955.00	210.10	210.10
	un skilled					
materials	G.M. 40mm gate valve	1	nos	2,889.00	2,889.00	2,889.00
Actual rate						3,099.10
Actual rate						3,099.10
15% contractor overhead						464.87
Total (Rs.)						3,563.97

Rate per nos Rs. 3563.97

40

150 mm RCC hump pipe NP2

For 32 m

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	3	nos	955.00	2,865.00	13,065.00
	un skilled	15	nos	680.00	10,200.00	
materials	a.150 mm RCC hump pipe np2	32	Rm	1,048.00	33,536.00	37,426.59
	b.150mm RCC collar	13	nos	260.00	3,380.00	
	c. cement	0.035	mt	12,000.00	420.00	
	d. sand	0.05	cum	211.73	10.59	
	e. Jute	1.6	kg	50.00	80.00	
Total rate						50,491.59
Actual rate						50,491.59
15% contractor overhead						7,573.74
Total (Rs.)						58,065.33

Rate per Rm Rs. 1814.54

41

200 mm RCC hump pipe NP2

For 32m

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	4	nos	955.00	3,820.00	17,420.00
	un skilled	20	nos	680.00	13,600.00	
materials	a.200 mm RCC hump pipe np2	32	Rm	740.00	23,680.00	26,871.94
	b.200mm RCC collar	13	nos	187.00	2,431.00	
	c. cement	0.052	mt	12,000.00	624.00	
	d. sand	0.08	cum	211.73	16.94	
	e. Jute	2.4	kg	50.00	120.00	
Total rate						44,291.94
Actual rate						44,291.94
15% contractor overhead						6,643.79
Total (Rs.)						50,935.73

Rate per Rm Rs. 1591.74

41

1200 mm RCC hump pipe NP3

For 32m

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.63	nos	955.00	601.65	2,560.05
	un skilled	2.88	nos	680.00	1,958.40	
materials	Pipe cost	1	pc	42,310.00	42,310.00	49,014.97
	c. cement	25	kg	14.00	350.00	
	d. sand	0.04	cum	211.73	8.47	
	transportation cost	1	pc	6,346.50	6,346.50	
Total rate						51,575.02
Actual rate						51,575.02

Rate per Rm Rs. 23724.51

42

15% contractor overhead		7,736.25
Total (Rs.)		59,311.27

Foldable hinge

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	955.00	1,910.00	2,590.00
	un skilled	1	nos	680.00	680.00	
materials	Foldable hinge	1	nos	1,212.00	1,212.00	1,212.00
Total rate						3,802.00
Actual rate						3,802.00
15% contractor overhead						570.30
Total (Rs.)						4,372.30

4372.30

43

Euro Guard (Filter)

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	3	nos	955.00	2,865.00	4,515.00
	semi skilled	2	nos	825.00	1,650.00	
materials	a. Euro Guard Water purification set (one litre per minute)	1	sets	16,263.00	16,263.00	16,288.00
	b. Jointing material etc		Ls		25.00	
Total rate						20,803.00
Actual rate						20,803.00
15% contractor overhead						3,120.45
Total (Rs.)						23,923.45

23923.45

44

Pressure Senser Switch

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.25	nos	955.00	238.75	379.00
	semi skilled	0.17	nos	825.00	140.25	
materials	a. Pressure Senser Switch (Italian)	1	nos	3,675.00	3,675.00	3,675.00
Total rate						4,054.00
Actual rate						4,054.00
15% contractor overhead						608.10
Total (Rs.)						4,662.10

4662.10

45

C I Tank Cover 24"x24" (50Kg) Square (Locking Type)

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.33	nos	955.00	315.15	315.15
materials	C I Tank Cover 24"x24" (50Kg) Square (Locking Type)	1	nos	10,500.00	10,500.00	10,500.00
Total rate						10,815.15
Actual rate						10,815.15
15% contractor overhead						1,622.27
Total (Rs.)						12,437.42

12437.42

46

C I Tank Cover 22"x22" (20Kg) Square (Locking Type)

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	0.33	nos	955.00	315.15	315.15
materials	C I Tank Cover 24"x24" (50Kg) Square (Locking Type)	1	nos	5,500.00	5,500.00	5,500.00
Total rate						5,815.15

6687.42

Actual rate	5,815.15
15% contractor overhead	872.27
Total (Rs.)	6,687.42

47

5 kg fire extinguisher ABC type Minimax, all complete set eversafe or equivalent .

sources	Level	Qty	Unit	Rate/unit	cost	Total cost
labour	skilled	1.00	nos	955.00	955.00	955.00
materials	5 kg fire extinguisher ABC type Minimax, all complete set eversafe or equivalent .	1	nos	7,130.00	7,130.00	7,130.00
Total rate						8,085.00
Actual rate						8,085.00
15% contractor overhead						1,212.75
Total (Rs.)						9,297.75

9297.75

48

50mm dia UPVC 90 degree bend

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.08	nos	955.00	76.40	144.40
	un skilled	0.10	nos	680.00	68.00	
materials	a.50mm dia UPVC 90 degree bend	1	nos	46.00	46.00	51.00
	b. Jointing material setc.		Ls		5.00	
Total rate						195.40
Actual rate						195.40
15% contractor overhead						29.31
Total (Rs.)						224.71

Rate per nos Rs. 224.71

49

50mm dia UPVC 45 degree bend

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.08	nos	955.00	76.40	144.40
	un skilled	0.10	nos	680.00	68.00	
materials	a.50mm dia UPVC 45 degree bend	1	nos	45.00	45.00	50.00
	b. Jointing material setc.		Ls		5.00	
Total rate						194.40
Actual rate						194.40
15% contractor overhead						29.16
Total (Rs.)						223.56

Rate per nos Rs. 223.56

50

75mm dia UPVC 45 degree bend

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	173.05
	un skilled	0.10	nos	680.00	68.00	
materials	a.75mm dia UPVC 45 degree bend	1	nos	330.00	330.00	335.00
	b. Jointing material setc.		Ls		5.00	
Total rate						508.05
Actual rate						508.05
15% contractor overhead						76.21
Total (Rs.)						584.26

Rate per nos Rs. 584.26

51

75 mm dia UPVC vent cowl

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	173.05
	un skilled	0.10	nos	680.00	68.00	
materials	a.75 mm dia UPVC vent cowl	1	nos	53.00	53.00	58.00
	b. Jointing material setc.		Ls		5.00	
Total rate						231.05
Actual rate						231.05
15% contractor overhead						34.66
Total (Rs.)						265.71

Rate per nos Rs. **265.71**

52

75 mm dia UPVC Y-Branch

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	173.05
	un skilled	0.10	nos	680.00	68.00	
materials	a.75 mm dia UPVC Y-Branch	1	nos	330.00	330.00	335.00
	b. Jointing material setc.		Ls		5.00	
Total rate						508.05
Actual rate						508.05
15% contractor overhead						76.21
Total (Rs.)						584.26

Rate per nos Rs. **584.26**

53

75 mm dia pipe clip.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.00	nos	955.00	-	-
	un skilled	0.00	nos	680.00	-	
materials	a.75 mm dia pipe clip.	1	nos	28.00	28.00	33.00
	b. Jointing material setc.		Ls		5.00	
Total rate						33.00
Actual rate						33.00
15% contractor overhead						4.95
Total (Rs.)						37.95

Rate per nos Rs. **37.95**

54

110 mm Bend 45 degree bend

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.16	nos	955.00	152.80	288.80
	un skilled	0.20	nos	680.00	136.00	
materials	a.110 mm Bend 45 degree bend	1	nos	430.00	430.00	435.00
	b. Jointing material setc.		Ls		5.00	
Total rate						723.80
Actual rate						723.80
15% contractor overhead						108.57
Total (Rs.)						832.37

Rate per nos Rs. **832.37**

55

75 mm dia UPVC plain/door Tee.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	173.05
	un skilled	0.10	nos	680.00	68.00	
materials	a.75 mm dia UPVC plain/door Tee.	1	nos	380.00	380.00	385.00
	b. Jointing material setc.		Ls		5.00	

Rate per nos Rs. **641.76**

Total rate	558.05
Actual rate	558.05
15% contractor overhead	83.71
Total (Rs.)	641.76

56

75 mm dia UPVC 90 degree bend

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.11	nos	955.00	105.05	173.05
	un skilled	0.10	nos	680.00	68.00	
materials	a.75 mm dia UPVC 90 degree bend	1	nos	330.00	330.00	335.00
	b. Jointing material setc.		Ls		5.00	
Total rate						508.05
Actual rate						508.05
15% contractor overhead						76.21
Total (Rs.)						584.26

Rate per nos Rs. **584.26**

57

110 mm dia UPVC vent cowl

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.16	nos	955.00	152.80	288.80
	un skilled	0.20	nos	680.00	136.00	
materials	a.110 mm dia UPVC vent cowl	1	nos	87.00	87.00	92.00
	b. Jointing material setc.		Ls		5.00	
Total rate						380.80
Actual rate						380.80
15% contractor overhead						57.12
Total (Rs.)						437.92

Rate per nos Rs. **437.92**

58

110 mm dia UPVC plain door Tee

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.16	nos	955.00	152.80	288.80
	un skilled	0.20	nos	680.00	136.00	
materials	a.110 mm dia UPVC plain door Tee	1	nos	590.00	590.00	595.00
	b. Jointing material setc.		Ls		5.00	
Total rate						883.80
Actual rate						883.80
15% contractor overhead						132.57
Total (Rs.)						1,016.37

Rate per nos Rs. **1016.37**

59

110 mm dia UPVC 90 degrees bend

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.16	nos	955.00	152.80	288.80
	un skilled	0.20	nos	680.00	136.00	
materials	a.110 mm dia UPVC 90 degrees bend	1	nos	430.00	430.00	435.00
	b. Jointing material setc.		Ls		5.00	
Total rate						723.80
Actual rate						723.80
15% contractor overhead						108.57
Total (Rs.)						832.37

Rate per nos Rs. **832.37**

60

110 mm dia Y-Brance

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.16	nos	955.00	152.80	288.80
	un skilled	0.20	nos	680.00	136.00	
materials	a.110 mm dia Y-Brance	1	nos	780.00	780.00	785.00
	b. Jointing material setc.		Ls		5.00	
Total rate						1,073.80
Actual rate						1,073.80
15% contractor overhead						161.07
Total (Rs.)						1,234.87

Rate per nos Rs. 1234.87

61

110 mm dia UPVC pipe clip.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.00	nos	955.00	-	-
	un skilled	0.00	nos	680.00	-	
materials	a.110 mm dia UPVC pipe clip.	1	nos	37.00	37.00	42.00
	b. Jointing material setc.		Ls		5.00	
Total rate						42.00
Actual rate						42.00
15% contractor overhead						6.30
Total (Rs.)						48.30

Rate per nos Rs. 48.30

46.5x35.5x26.5 cm SIZE URINAL COMPLETE SET

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	2	nos	955.00	1,910.00	2,590.00
	un skilled	1	nos	680.00	680.00	
materials	a. 46.5x35.5x26.5 cm White glaze flat back Urinal (Hindware, Parryware,cera or eqv.)	1	nos	1,732.00	1,732.00	1,772.00
	b.screw etc.		Ls		40.00	
Total rate						4,362.00
Actual rate						4,362.00
15% contractor overhead						654.30
Total (Rs.)						5,016.30

Rate per set Rs. 5016.30

51

68x30cm size URINAL Partation with all complete.

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	955.00	477.50	817.50
	semi skilled	0.5	nos	680.00	340.00	
materials	a.68X30 cm White glaze Division plate urinal Partation (Hindware or equivalent)	1	nos	1,741.00	1,741.00	1,781.00
	b.screw etc.		Ls		40.00	
Total rate						2,598.50
Actual rate						2,598.50
15% contractor overhead						389.78
Total (Rs.)						2,988.28

Rate per set Rs. 2988.28

1 1x40 Watt F.T.L Box Fitting Wipro/GE or equivalent						
sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	955.00	477.50	842.50
	Semi skilled	0.5	nos	730.00	365.00	
	un skilled	0	nos	680.00	0.00	
materials	a. FTL Set	10	nos	1159.00	11590.00	13440.00
	b.Tube rod with starter	10	nos	96.00	960.00	
	c.Chain	10	Rm	50.00	500.00	
	d Iron Hooks	20	nos	15.00	300.00	
	e. screw, grips etc.	10	LS	9.00	90.00	
Total rate						14282.50
Actual Rate						14282.50
15% contractor overhead						2142.38
Total (Rs.)						16424.88
Rate per set Rs.	1642.48					

2 8 to 11 watt CFL lamp						
sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0	nos	955.00	0.00	0.00
	Semi skilled	0	nos	730.00	0.00	
	un skilled	0	nos	680.00	0.00	
materials	a.CFL bulb	10	nos	232.00	2320.00	2320.00
Total rate						2320.00
Actual Rate						2320.00
15% contractor overhead						348.00
Total (Rs.)						2668.00
Rate per no Rs.	266.80					

North-West/ Seimens Switch & Socket Or Equivalent

3 1 Gang one way Switch F						
sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	1	nos	955.00	955.00	2415.00
	Semi skilled	2	nos	730.00	1460.00	
	un skilled	0	nos	680.00	0.00	
materials	a. Switch with plate	10	nos	211.00	2110.00	2740.00
	b.PVC /M Box	10	nos	52.00	520.00	
	c. CM, Screws, Grips etc.	10	LS	11.00	110.00	
Total rate						5155.00
Actual Rate						5155.00
15% contractor overhead						773.25
Total (Rs.)						5928.25
Rate per set Rs.	592.82					

4 1 Gang Two way Switch F

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3004	labour	skilled	1	nos	955.00	955.00
		Semi skilled	2	nos	730.00	1460.00
		un skilled	0	nos	680.00	0.00
						2415.00
materials	a. Switch with plate	10	nos	239.00	2390.00	
	b.PVC /M Box	10	nos	52.00	520.00	
	c. CM, Screws, Grips etc.	10	LS	11.00	110.00	
						3020.00
Total rate						5435.00
Actual Rate						5435.00
Rate per set Rs.	625.02	15% contractor overhead				815.25
Total (Rs.)						6250.25

5 2 Gang one way Switch F

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3005	labour	skilled	1	nos	955.00	955.00
		Semi skilled	2	nos	730.00	1460.00
		un skilled	0	nos	680.00	0.00
						2415.00
materials	a. Switch with plate	10	nos	355.00	3550.00	
	b.PVC /M Box	10	nos	52.00	520.00	
	c. CM, Screws, Grips etc.	10	LS	11.00	110.00	
						4180.00
Total rate						6595.00
Actual Rate						6595.00
Rate per set Rs.	758.42	15% contractor overhead				989.25
Total (Rs.)						7584.25

6 3 Gang one way Switch F

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3006	labour	skilled	1	nos	955.00	955.00
		Semi skilled	2	nos	730.00	1460.00
		un skilled	0	nos	680.00	0.00
						2415.00
materials	a. Switch with plate	10	nos	501.00	5010.00	
	b.PVC /M Box	10	nos	56.00	560.00	
	c. CM, Screws, Grips etc.	10	LS	11.00	110.00	
						5680.00
Total rate						8095.00
Actual Rate						8095.00
Rate per set Rs.	930.92	15% contractor overhead				1214.25

Total (Rs.)

9309.25

7 4 Gang one way Switch F

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3007 labour	skilled	1	nos	955.00	955.00	2415.00
	Semi skilled	2	nos	730.00	1460.00	
	un skilled	0	nos	680.00	0.00	
materials	a. Switch with plate	10	nos	645.00	6450.00	7240.00
	b.PVC /M Box	10	nos	68.00	680.00	
	c. CM, Screws, Grips etc.	10	LS	11.00	110.00	
Total rate						9655.00
Actual Rate						9655.00
15% contractor overhead						1448.25
Total (Rs.)						11103.25
Rate per set Rs.		1110.32				

8 6 Gang one way Switch F

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3008 labour	skilled	1	nos	955.00	955.00	2415.00
	Semi skilled	2	nos	730.00	1460.00	
	un skilled	0	nos	680.00	0.00	
materials	a. Switch with plate	10	nos	996.00	9960.00	11430.00
	b.PVC /M Box	10	nos	136.00	1360.00	
	c. CM, Screws, Grips etc.	10	LS	11.00	110.00	
Total rate						13845.00
Actual Rate						13845.00
15% contractor overhead						2076.75
Total (Rs.)						15921.75
Rate per set Rs.		1592.17				

9 16/6 Amp Combined S/Socket with safety shutter F

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3009 labour	skilled	1	nos	955.00	955.00	2415.00
	Semi skilled	2	nos	730.00	1460.00	
	un skilled	0	nos	680.00	0.00	
materials	a. Switch Socket	10	nos	392.00	3920.00	4550.00
	b.PVC /M Box	10	nos	52.00	520.00	
	c. CM, Screws, Grips etc.	10	LS	11.00	110.00	
Total rate						6965.00
Actual Rate						6965.00

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Rate per set Rs.

800.97

15% contractor overhead

1044.75

Total (Rs.)

8009.75

10 16 Amp 415 Volt Change over Switch

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost	
3010	labour	skilled	0.5	nos	955.00	477.50	1207.50
		Semi skilled	1	nos	730.00	730.00	
		un skilled	0	nos	680.00	0.00	
materials	a. Switch	1	nos	500.00	500.00	525.00	
	b. CM, Screws, Grips etc.	LS			25.00		
Total rate						1732.50	
Actual Rate						1732.50	
Rate per set Rs.	1992.38	15% contractor overhead				259.88	
Total (Rs.)						1992.38	

Panel Board & Accessories

60/100Amp Panel Board with Suitable color,Floor Mounted Double cover,

11 Push Type Switch, Size 9"x36"x48"

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost	
3011	labour	skilled	1	nos	955.00	955.00	2415.00
		Semi skilled	2	nos	730.00	1460.00	
		un skilled	0	nos	680.00	0.00	
materials	a. Panel Board	1	nos	21414.00	21414.00	21460.00	
	b. CM, Screws, Bus Bar	LS			46.00		
Total rate						23875.00	
Actual Rate						23875.00	
Rate per set Rs.	27456.25	15% contractor overhead				3581.25	
Total (Rs.)						27456.25	

MCCB 10KA to 40KA-Siemens,GE, Legrand, C&S or Eqv.

12 60 Amp MCCB

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost	
3012	labour	skilled	0	nos	955.00	0.00	0.00
		Semi skilled	0	nos	730.00	0.00	
		un skilled	0	nos	680.00	0.00	
materials	a. MCCB	1	nos	5665.00	5665.00	5665.00	
	b. CM, Screws, Grips etc.	LS			0.00		
Total rate						5665.00	

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			Actual Rate	5665.00
Rate per set Rs.	6514.75		15% contractor overhead	849.75
			Total (Rs.)	6514.75

13 Voltmeter (0-500)

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3013 labour	skilled	0	nos	955.00	0.00	0.00
	Semi skilled	0	nos	730.00	0.00	
	un skilled	0	nos	680.00	0.00	
materials	a. Voltmeter	1	nos	1023.00	1023.00	1023.00
	c. CM, Screws, Grips etc.	LS			0.00	

			Total rate	1023.00
			Actual Rate	1023.00
Rate per set Rs.	1176.45		15% contractor overhead	153.45
			Total (Rs.)	1176.45

13 Indicator

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3013 labour	skilled	0	nos	955.00	0.00	0.00
	Semi skilled	0	nos	730.00	0.00	
	un skilled	0	nos	680.00	0.00	
materials	a. Indicator	1	nos	237.00	237.00	237.00
	c. CM, Screws, Grips etc.	LS			0.00	

			Total rate	237.00
			Actual Rate	237.00
Rate per set Rs.	272.55		15% contractor overhead	35.55
			Total (Rs.)	272.55

14 Amp. Meter (0-500)

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3014 labour	skilled	0	nos	955.00	0.00	0.00
	Semi skilled	0	nos	730.00	0.00	
	un skilled	0	nos	680.00	0.00	
materials	a. Amp.Meter	1	nos	979.00	979.00	979.00
	b. CM, Screws, Grips etc.	LS			0.00	

			Total rate	979.00
			Actual Rate	979.00

Rate per set Rs.	1125.85	15% contractor overhead	146.85
		Total (Rs.)	1125.85

15 Selector Switch

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost	
3015	labour	skilled	0	nos	955.00	0.00	0.00
		Semi skilled	0	nos	730.00	0.00	
		un skilled	0	nos	680.00	0.00	
materials	a. Selector Switch	1	nos	711.00	711.00	711.00	
	b. CM, Screws, Grips etc.	LS			0.00		
Total rate						711.00	
Actual rate						711.00	
Rate per set Rs.	817.65	15% contractor overhead	106.65				
		Total (Rs.)	817.65				

16 C.T.Coil

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost	
3016	labour	skilled	0	nos	955.00	0.00	0.00
		Semi skilled	0	nos	730.00	0.00	
		un skilled	0	nos	680.00	0.00	
materials	a. CT Coil	1	nos	1432.00	1432.00	1432.00	
	b. CM, Screws, Grips etc.	LS			0.00		
Total rate						1432.00	
Actual Rate						1432.00	
Rate per set Rs.	1646.80	15% contractor overhead	214.80				
		Total (Rs.)	1646.80				

17 40-60 Amp TP MCB

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost	
3119	labour	skilled	0	nos	955.00	0.00	0.00
		Semi skilled	0	nos	730.00	0.00	
		un skilled	0	nos	680.00	0.00	
materials	a. M.C.B	10	nos	1391.00	13910.00	13910.00	
	b. CM, Screws, Grips etc.	LS			0.00		
Total rate						13910.00	
Actual Rate						13910.00	
Rate per Nos Rs.	1599.65	15% contractor overhead	2086.50				

Total (Rs.)

15996.50

18 42" Ceiling Fan

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3018 labour	skilled	0.5	nos	955.00	477.50	842.50
	Semi skilled	0.5	nos	730.00	365.00	
	un skilled	0	nos	680.00	0.00	
materials	a. Fan	1	nos	3400.00	3400.00	3520.00
	b. Iron clamps	LS			60.00	
	c. Ceiling rose	1	nos	35.00	35.00	
	d. CM, Screws, Grips etc.	LS			25.00	
Total rate						4362.50
Actual Rate						4362.50
15% contractor overhead						654.38
Total (Rs.)						5016.88
Rate per set Rs.	5016.88					

19 9" Exhaust Fan

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3019 labour	skilled	1	nos	955.00	955.00	1685.00
	Semi skilled	1	nos	730.00	730.00	
	un skilled	0	nos	680.00	0.00	
materials	a. Fan	1	nos	1803.00	1803.00	1991.00
	b. Wooden Frame	1	LS	100.00	100.00	
	c. Nut bolts	4	nos	LS	50.00	
	d. CM, Cement Paints etc.	LS			38.00	
Total rate						3676.00
Actual Rate						3676.00
15% contractor overhead						551.40
Total (Rs.)						4227.40
Rate per set Rs.	4227.40					

20 Dome Light 8" Milky Type Heavy Carrier(decorative)

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3020 labour	skilled	0.5	nos	955.00	477.50	842.50
	Semi skilled	0.5	nos	730.00	365.00	
	un skilled	0	nos	680.00	0.00	
materials	a. D Light	10	nos	227.00	2270.00	2590.00
	b. CM, Screws, Grips etc.	10	nos	32.00	320.00	
Total rate						3432.50

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		Actual Rate	3432.50
Rate per set Rs.	394.73	15% contractor overhead	514.88
		Total (Rs.)	3947.38

21 Musical Bell

	sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3021	labour	skilled	0.5	nos	955.00	477.50	842.50
		Semi skilled	0.5	nos	730.00	365.00	
		un skilled	0	nos	680.00	0.00	
	materials	a.M.Bell	10	nos	222.00	2220.00	2310.00
		b. CM, Screws,.		LS		90.00	
			Total rate				3152.50
			Actual Rate				3152.50
Rate per set Rs.	362.53		15% contractor overhead				472.88
			Total (Rs.)				3625.38

Multistrand Flexible wire(1 coil=90.00M)

Cancelled Wiring

22 1.5mm2 PVC insulated copper wire

	sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3022	labour	skilled	0.75	nos	955.00	716.25	2481.25
		Semi skilled	1.3	nos	730.00	949.00	
		un skilled	1.2	nos	680.00	816.00	
	materials	a.Cu wire	100	Rm	18.31	1831.00	2542.00
		b.HDP, hooks	100	LS	7.11	711.00	
			Total rate				5023.25
			Actual Rate.				5023.25
Rate per Rm Rs.	57.76		15% contractor overhead				753.49
			Total (Rs.)				5776.74

23 2.5mm2 PVC insulated copper wire

	sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3023	labour	skilled	0.75	nos	955.00	716.25	2481.25
		Semi skilled	1.3	nos	730.00	949.00	
		un skilled	1.2	nos	680.00	816.00	
	materials	a.Cu wire	100	Rm	26.90	2690.00	3401.00
		b.HDP, hooks	100	LS	7.11	711.00	
			Total rate				5882.25

		Actual Rate	5882.25
Rate per Rm Rs.	67.64	15% contractor overhead	882.34
		Total (Rs.)	6764.59

24 4.0mm2 PVC insulated copper wire

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3024 labour	skilled	0.75	nos	955.00	716.25	2481.25
	Semi skilled	1.3	nos	730.00	949.00	
	un skilled	1.2	nos	680.00	816.00	
materials	a.Cu wire	100	Rm	43.48	4348.00	5339.00
	b.HDP, hooks	100	LS	9.91	991.00	

Total rate 7820.25

		Actual Rate	7820.25
Rate per Rm Rs.	89.93	15% contractor overhead	1173.04
		Total (Rs.)	8993.29

25 6.0mm2 PVC insulated copper wire

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3025 labour	skilled	1	nos	955.00	955.00	3410.00
	Semi skilled	1.5	nos	730.00	1095.00	
	un skilled	2	nos	680.00	1360.00	
materials	a.Cu wire	100	Rm	68.66	6866.00	7857.00
	b.HDP, hooks	100	LS	9.91	991.00	

Total rate 11267.00

		Actual Rate	11267.00
Rate per Rm Rs.	129.57	15% contractor overhead	1690.05
		Total (Rs.)	12957.05

26 10 mm² 4 core Nepal, Prakash Or NS

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3026 labour	skilled	0.75	nos	955.00	716.25	2685.25
	Semi skilled	1.3	nos	730.00	949.00	
	un skilled	1.5	nos	680.00	1020.00	
materials	a. Cu wire	100	Rm	618.00	61800.00	64000.00
	b.Shaddle,Grips,Screws	100	LS	22.00	2200.00	

Total rate 66685.25

Actual Rate 66685.25

Rate per Rm Rs.

766.88

15% contractor overhead

10002.79

Total (Rs.)

76688.04

27 16 mm² 4 core Nepal, Prakash Or NS

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3027 labour	skilled	0.75	nos	955.00	716.25	2685.25
	Semi skilled	1.3	nos	730.00	949.00	
	un skilled	1.5	nos	680.00	1020.00	
materials	a.Cu wire	100	Rm	901.00	90100.00	93400.00
	b.Shaddle,Grips,Screws	100	LS	33.00	3300.00	
Total rate						96085.25
Actual Rate						96085.25
Rate per Rm Rs.	1104.98	15% contractor overhead	14412.79			
		Total (Rs.)	110498.04			

28 35 mm² 4 core Nepal, Prakash Or NS

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
3028 labour	skilled	1	nos	955.00	955.00	4455.00
	Semi skilled	2	nos	730.00	1460.00	
	un skilled	3	nos	680.00	2040.00	
materials	a.Cu wire	100	Rm	1803.00	180300.00	183600.00
	b.Saddle,Grips, Screws	100	LS	33.00	3300.00	
Total rate						188055.00
Actual Rate.						188055.00
Rate per Rm Rs.	2162.63	15% contractor overhead	28208.25			
		Total (Rs.)	216263.25			

29 6-32 Amp SP MCB

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0	nos	955.00	0.00	0.00
	Semi skilled	0	nos	730.00	0.00	
	un skilled	0	nos	680.00	0.00	
materials	a.MCB	10	Nos	374.00	3740.00	3740.00
	b.CM, Screws		LS	0.00	0.00	
Total rate						3740.00
Actual Rate						3740.00
Rate per Nos. Rs.	430.10	15% contractor overhead	561.00			

Total (Rs.)

4301.00

30 40-60 Amp TP MCB

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0	nos	955.00	0.00	0.00
	Semi skilled	0	nos	730.00	0.00	
	un skilled	0	nos	680.00	0.00	
materials	a.MCB	10	Nos	1391.00	13910.00	13910.00
	b.CM, Screws		LS	0.00	0.00	
Total rate						13910.00
Actual Rate						13910.00
15% contractor overhead						2086.50
Total (Rs.)						15996.50

Rate per Nos. Rs. 1599.65

31 12 way SPN DB Double Cover

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	955.00	477.50	1025.00
	Semi skilled	0.75	nos	730.00	547.50	
	un skilled	0	nos	680.00	0.00	
materials	a.Cover	1	Nos	1679.00	1679.00	1724.00
	b.CM, Screws		LS	0.00	45.00	
Total rate						2749.00
Actual Rate						2749.00
15% contractor overhead						412.35
Total (Rs.)						3161.35

Rate per Set. Rs. 3161.35

32 8 way TPN DB Double Cover

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	955.00	477.50	1025.00
	Semi skilled	0.75	nos	730.00	547.50	
	un skilled	0	nos	680.00	0.00	
materials	a.Cover	1	Nos	1416.00	1416.00	1461.00
	b.CM, Screws		LS	0.00	45.00	
Total rate						2486.00

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Rate per Set. Rs.	2858.90	Actual Rate	2486.00
		15% contractor overhead	372.90
		Total (Rs.)	2858.90

33 4 way SPN DB Double Cover

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	955.00	477.50	1025.00
	Semi skilled	0.75	nos	730.00	547.50	
	un skilled	0	nos	680.00	0.00	
materials	a.Cover	1	Nos	1082.00	1082.00	1127.00
	b.CM, Screws		LS	0.00	45.00	
Total rate						2152.00
						2152.00
Rate per Set. Rs.	2474.80	Actual Rate	2152.00			
		15% contractor overhead	322.80			
		Total (Rs.)	2474.80			

34 6 way SPN DB Double Cover

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	955.00	477.50	1025.00
	Semi skilled	0.75	nos	730.00	547.50	
	un skilled	0	nos	680.00	0.00	
materials	a.Cover	1	Nos	1135.00	1135.00	1180.00
	b.CM, Screws		LS	0.00	45.00	
Total rate						2205.00
						2205.00
Rate per Set. Rs.	2535.75	Actual Rate	2205.00			
		15% contractor overhead	330.75			
		Total (Rs.)	2535.75			

35 6-32 Amp DP MCB

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0	nos	955.00	0.00	0.00
	Semi skilled	0	nos	730.00	0.00	
	un skilled	0	nos	680.00	0.00	
materials	a.MCB	10	Nos	976.50	9765.00	9765.00
	b.CM, Screws		LS	0.00	0.00	
Total rate						9765.00

Rate per Set. Rs.	1122.97	Actual Rate	9765.00
		15% contractor overhead	1464.75
		Total (Rs.)	11229.75

36 IS 3043 Copper Plate 65cmx65cmx3.15mm (1 cu.m=8930 kg)

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.2	nos	955.00	191.00	2646.00
	Semi skilled	1.5	nos	730.00	1095.00	
	un skilled	2	nos	680.00	1360.00	
materials	a.Copper Plate(11.88 kg)	1	nos	10893.96	10893.96	12632.76
	b. Coal 4 bag, Salt 40 kg,sand,soil etc.	1	nos	1738.80	1738.80	
Total rate						15278.76
Actual Rate						15278.76
Rate per set Rs.	17570.57	15% contractor overhead	2291.81			
		Total (Rs.)	17570.57			

37 4 mm² 3 core Armored cable wire through 40 mm dia HDPE conduit (4 kgf/cm²)

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.75	nos	955.00	716.25	2481.25
	Semi skilled	1.3	nos	730.00	949.00	
	un skilled	1.2	nos	680.00	816.00	
materials	a.4mm sq Cu wire	100	Rm	258.00	25800.00	36100.00
	b.HDPE	100	Rm	81.00	8100.00	
	c.Saddle,Grips, Screws	100	LS	22.00	2200.00	
Total rate						38581.25
Actual Rate						38581.25
Rate per Rm. Rs.	443.68	15% contractor overhead	5787.19			
		Total (Rs.)	44368.44			

38 16 way SPN DB Double Cover

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	955.00	477.50	1025.00
	Semi skilled	0.75	nos	730.00	547.50	
	un skilled	0	nos	680.00	0.00	
materials	a.Cover	1	Nos	1795.00	1795.00	1795.00
	b.CM, Screws		LS	0.00	45.00	

						1840.00
					Total rate	2865.00
					Actual Rate	2865.00
Rate per Set. Rs.	3294.75				15% contractor overhead	429.75
					Total (Rs.)	3294.75

39 Dimmer Single 750 Watt F

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	955.00	477.50	1207.50
	Semi skilled	1	nos	730.00	730.00	
	un skilled	0	nos	680.00	0.00	
materials	a. Switch	10	nos	459.00	4590.00	5200.00
	b.Box	10	nos	50.00	500.00	
	c. CM, Screws, Grips etc.	10	LS	11.00	110.00	
					Actual rate	6407.50
Rate per set Rs.	736.86				15% contractor overhead	961.13
					Total (Rs.)	7368.63

40 2.5 mm² 2 core Nepal, Prakash Or NS

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.75	nos	955.00	716.25	2481.25
	Semi skilled	1.3	nos	730.00	949.00	
	un skilled	1.2	nos	680.00	816.00	
materials	a. Cu wire	100	Rm	139.00	13900.00	21100.00
	b.HDPE	100	Rm	50.00	5000.00	
	c.Shaddle,Grips,Screws	100	LS	22.00	2200.00	
					Total rate	23581.25
Rate perRm Rs.	271.18				Actual Rate	23581.25
					15% contractor overhead	3537.19
					Total (Rs.)	27118.44

41 25*3mm copper strip

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.75	nos	955.00	716.25	2481.25
	Semi skilled	1.3	nos	730.00	949.00	
	un skilled	1.2	nos	680.00	816.00	
materials	a.Cu wire	100	Rm	709.97	70997.00	71988.00
	b, hook,,gripes screws etc	100	LS	9.91	991.00	
					Total rate	74469.25

			Actual rate			74469.25
Rate per Rm Rs.	856.39		15% contractor overhead			11170.39
			Total (Rs.)			85639.64

42 Lightning rod copper conductor air termination

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	955.00	477.50	1207.50
	Semi skilled	1	nos	730.00	730.00	
	un skilled	0	nos	680.00	0.00	
materials	Conductor	1	nos	2730.00	2730.00	2739.00
	b. CM, Screws, Grips etc.	1	LS	9.00	9.00	
Total rate						3946.50
			Actual rate			3946.50
Rate per set Rs.	4538.48		15% contractor overhead			591.98
			Total (Rs.)			4538.48

43 3 meter high 62.5 mm dia Steel tubular external light pole

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.25	nos	955.00	238.75	2693.75
	Semi skilled	1.5	nos	730.00	1095.00	
	un skilled	2	nos	680.00	1360.00	
materials	a.Light Pole with base	1	nos	3500.00	3500.00	3840.00
	b. Foundation materials.	1	LS	340.00	340.00	
Total rate						6533.75
			Actual rate			6533.75
Rate per set Rs.	7513.81		15% contractor overhead			980.06
			Total (Rs.)			7513.81

44 300 mm dia Polycarbonare post top light with 12 W LED Lamp

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.25	nos	955.00	238.75	761.25
	Semi skilled	0.25	nos	730.00	182.50	
	un skilled	0.5	nos	680.00	340.00	
materials	a. Post Top Light	1	nos	2500.00	2500.00	3270.00
	b. 12 W LED Lamp.	1	nos	750.00	750.00	
	b. CM, Screws, Grips etc.	1	nos	20.00	20.00	
Total rate						4031.25
			Actual rate			4031.25
Rate per set Rs.	4635.94		15% contractor overhead			604.69
			Total (Rs.)			4635.94

SOLAR PV SYSTEM

45 250 W PV Module

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.3	nos	955.00	286.50	1,331.50
	Semi skilled	0.5	nos	730.00	365.00	
	un skilled	1	nos	680.00	680.00	
materials	a. 250 W PV Module	1	nos	22,500.00	22,500.00	24,500.00
	b. Fixing and Connecting					
	Materials	1	LS	2,000.00	2,000.00	
Total rate						25831.50
Actual rate						25831.50
Rate per set Rs.	29706.23	15% contractor overhead				3874.73
Total (Rs.)						29706.23

46 48V 300 Ah@C10 Dry charged Tubular Solar Battery

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.2	nos	955.00	191.00	1,163.00
	Semi skilled	0.4	nos	730.00	292.00	
	un skilled	1	nos	680.00	680.00	
materials	a. 300 Ah C10 Solar	1	nos	32,100.00	32,100.00	33,600.00
	b. Fixing and Connecting	1	LS	1,500.00	1,500.00	
Total rate						34763.00
Actual rate						34763.00
Rate per set Rs.	39977.45	15% contractor overhead				5214.45
Total (Rs.)						39977.45

47 4 KVA Hybrid Inverter

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.8	nos	955.00	764.00	1,192.00
	Semi skilled	0.4	nos	730.00	292.00	
	un skilled	0.2	nos	680.00	136.00	
materials	a. 4 KVA Hybrid Inverter	1	nos	71,500.00	71,500.00	72,300.00
	b. Fixing and Connecting	1	LS	800.00	800.00	
Total rate						73492.00
Actual rate						73492.00
Rate per set Rs.	84515.80	15% contractor overhead				11023.80
Total (Rs.)						84515.80

Total cost of solar	Unit	Qty	Rate	
250 W PV Module	No	10	29706.23	297062.3

48V 300 Ah@C10 Dry charged Tubular Solar Battery	No	1	39977.45	39977.45
4 KVA Hybrid Inverter	No	1	84515.80	84515.8
Total cost of solar				421555.55

48 1*1' Led Panel light Wipro/Fiam/Philips or equivalent

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	955.00	477.50	842.50
	Semi skilled	0.5	nos	730.00	365.00	
	un skilled	0	nos	680.00	0.00	
materials	a.1*1' Led Panel light	10	nos	5800.00	58000.00	58090.00
	b. Rod, screw, grips etc.	10	LS	9.00	90.00	
Total rate						58932.50
Actual rate						58932.50
15% contractor overhead						8839.88
Total (Rs.)						67772.38

Rate per set Rs. 6777.23

49 12 Watt Led Panel light round/square Wipro/Fiam/Philips or equivalent

sources	Level	Qty	Unit	Rate/unit	cost	Total Cost
labour	skilled	0.5	nos	955.00	477.50	842.50
	Semi skilled	0.5	nos	730.00	365.00	
	un skilled	0	nos	680.00	0.00	
materials	a 12 Watt Led Panel light	10	nos	2600.00	26000.00	26090.00
	b, screw, grips etc.	10	LS	9.00	90.00	
Total rate						26932.50
Actual rate						26932.50
15% contractor overhead						4039.88
Total (Rs.)						30972.38

Rate per set Rs. 3097.23

Government of Nepal

Ghodaghodi Municipality

Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Site Development)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout						Sq.m		
	Pedestrian Way	1.00	Area=	1000.00		1000.00			
	Footpath border	1.00	600.00	600.00	0.30	180.00			
	flower bed wall	1.00	200.00	200.00	0.65	130.00			
	Retaining wall	1.00	100.00	100.00	1.80	180.00			
	Boundary wall	1.00	250.00	250.00	0.65	162.50			
	Foot trail	1.00	1270.00	1270.00	2.00	2540.00			
	stepping flagstone	100.00	Area=	0.66		66.00			
	Drain	1.00	200.00	200.00	0.83	166.00			
	parking	1.00	Area=	900.00		900.00			
			Total Site Clearance Work				5324.50	Sq.m	
2	Earthwork in Excavation								
2.1	Earth work in excavation manually						Cu.m		
	Footpath border	1.00	600.00	600.00	0.30	0.30	54.00		
	Flower bed	1.0	200.00	200.00	0.43	0.43	36.98		
	Retaining wall	1.00	100.00	100.00	1.80	3.23	581.40		
	Boundary wall	1.00	250.00	250.00	0.65	0.58	162.50		
	parking	1.00	Area=	900.00		0.23	207.00		
	Drain	1.00	200.00	200.00	0.83	0.46	76.36		
			Total excavation work manually				1118.24	Cu.m	
2.1	Bacfilling						Cu.m		
	as per excavation								
	flower bed						139.64		
			Total excavation work manually				139.64	Cu.m	
3	Brick soling								
	Pedestrian Way	1.00	Area=	1000.00		1000.00			
	Flower bed	1.00	200.00	200.00	0.23	46.00			
	Boundary wall	1.00	250.00	250.00	0.45	112.50			
	stepping flagstone	100.00	Area=	0.66		66.00			
	Drain	1.00	200.00	200.00	0.83	166.00			
			Total brick soling				1390.50	Sq.m	
3	Stone soling								
	Dry stone / boulder soling work in foundation of retaining wall.						Cu.m		
	Footpath border	1.00	600.00	600.00	0.15	0.10	9.00		
	Retaining wall	1.00	100.00	100.00	1.80	0.15	27.00		
	parking	1.00	Area=	900.00		0.15	135.00		

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DETAIL ESTIMATE (Site Development)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
			Total stone soling				171.00	Cu.m	
5	BW 1:6							Cu.m	
	Flower bed	1.00	200.00	200.00	0.23	0.30	13.80		
	Boundary wall	1.00	250.00	250.00	0.23	0.45	25.87		
	Drain	2.00	200.00	400.00	0.23	0.45	41.40		
			Total 1:6 BW				81.07	Cu.m	
5	BW 1:4								
	Flower bed	1.00	200.00	200.00	0.12	0.60	14.40		
	Boundary wall	1.00	250.00	250.00	0.12	0.90	27.00		
			Total 1:4 BW				41.40	Cu.m	
5	1:6 stone masonry work								
	Footpath border	1.00	600.00	600.00	0.15	0.30	27.00		
	Retaining wall	1.00	100.00	100.00	1.15	3.00	345.00		
			Total 1:6 masonry work				372.00	Cu.m	
6	PCC								
6.1	M10 (1:3:6)							Cu.m	
	Pedestrian Way	1.00	Area=	1000.00		0.08	80.00		
	Flower bed	1.00	200.00	200.00	0.23	0.08	3.68		
	Footpath border	1.00	600.00	600.00	0.15	0.08	7.20		
	Retaining wall	1.00	100.00	100.00	1.80	0.08	14.40		
	Boundary wall	1.00	250.00	250.00	0.45	0.08	112.50		
	stepping flagstone	100.00	Area=	0.66		0.08	5.28		
	Drain	1.00	200.00	200.00	0.83	0.08	13.28		
			Total M10 (1:3:6) PCC				236.34	Cu.m	
6.2	M15 (1:2:4)								
	parking	1.00	Area=	900.00		0.13	117.00		
			Total M15 (1:2:4) PCC				117.00	Cu.m	
6.2	M20								
	Boundary wall	1.00	250.00	250.00	0.12	0.08	2.40		
			Total M20				2.40	Cu.m	
7	Formwork							Sq.m	
	Boundary wall	1.00	250.00	250.00		0.16	40.00		
	Edge of concrete block	1.00	60.00	60.00		0.08	4.80		
	Drain	2.00	200.00	400.00		0.08	32.00		
			Total Formwork				76.80	Sq.m	
8	Rebar								
	rebar	1.00	2.40				188.40		
			Total reinforcement				188.40	kg	
11	FINISHING								
11.1	38 mms screeding and punning							Sq.m	
	drain	1.0	200.0	200.00	0.8		160.00		
			Total 38 mm screeding and punning work				160.00	Sqm	
11.1	Punning work							Sq.m	

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DETAIL ESTIMATE (Site Development)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	drain	2.0	200.0	400.00		0.5	200.00		
			Total punning work				200.00	Sqm	
8	Flagstone work								
	Pedestrian Way	1.00		Area=	1000.00		1000.00		
	stepping flagstone	100.00	Area=	0.66			66.00		
			Total flagstone work				1066.00	sq.m	
11	Plaster work								
11.1	external plaster							Sq.m	
	Flower bed	1.0	200.0	200.00		1.0	200.00		
	boundary wall	1.0	250.0	250.00		2.1	525.00		
	drain	2.0	200.0	400.00		0.5	200.00		
			Total plaster work				925.00	Sqm	
11	Painting work								
11.1	Exterior paint							Sq.m	
	as per plaster work						925.00		
			Total external paint				925.00	Sqm	
9	Enamel paint								
	Boundary wall metal	1.00	250.00	250.00		2.00	500.00		
	gate	1.00	10.00	10.00		3.50	35.00		
			Total enamel paint work				535.00	Sq.m	
9	Metal work								
	For boundary wall								
	16 mm rod square hoizontal	5.00	250.00	1250.00		2.01	2512.50		
	16 mm rod square vertical	1250.00	1.85	2312.50		2.01	4648.13		
	32 mm vertical pipe	66.00	1.80	118.80		2.54	301.75		
	12 mm rod square butta	1320.00	0.60	792.00		1.13	894.96		
			Total metal work				8357.34	kg	
9	Main gate								
	gate	1.00	10.00	10.00		3.50	35.00		
			Total main gate				35.00	Sq.m	

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Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Community Building)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout		AREA	Area					
	For structure	1.00	320.93	320.93			320.93		
			Total Site Clearance Work				320.93	Sq.m	
2	Earthwork in Excavation								
2.1	Earthwork in Excavation manually							Cu.m	
	Foundation for footing of column								
	F1(1525 X 1525)	6.00	1.83	10.98	1.83	1.73	34.76		
	F2 (1830 X 1830)	4.00	2.13	8.52	2.13	1.73	31.40		
	F3 (2135 X 2135)	4.00	2.44	9.76	2.14	1.73	36.13		
	F4(2440 X 2440)	4.00	2.74	10.96	2.44	1.73	46.26		
	For Foundation Beam								
	Along Grid 1-1	1.00	26.75	26.75	0.53	1.73	24.53		
	Along Grid 2-2	1.00	26.45	26.45	0.53	1.73	24.25		
	Along Grid 3-3	1.00	26.45	26.45	0.53	1.73	24.25		
	Along Grid A-A	1.00	7.71	7.71	0.53	1.73	7.07		
	Along Grid B-B	1.00	7.71	7.71	0.53	1.73	7.07		
	Along Grid C-C	1.00	7.71	7.71	0.53	1.73	7.07		
	Along Grid D-D	1.00	7.71	7.71	0.53	1.73	7.07		
	Along Grid E-E	1.00	7.71	7.71	0.53	1.73	7.07		
	Along Grid F-F	1.00	7.71	7.71	0.53	1.73	7.07		
	Entry porch staircase east and west	2.00	1.28	2.56	0.70	0.13	0.23		
	Entry porch staircase south	1.00	23.23	23.23	0.70	0.13	2.11		
	Wall post block	4.00	0.45	1.80	0.70	0.36	0.45		
	Ramp	1.00	6.50	6.50	1.60	0.13	1.35		
	apron	1.00	80.51	80.51	1.00	0.15	12.08		
	drain	1.00	88.51	88.51	0.69	0.55	33.59		
			Total earthwork in excavation				313.81	Cu.m	
3	Earthback Filling								
	Filling Upto Ground Level								

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DETAIL ESTIMATE (Community Building)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	As per Total excavation						313.81	Cu.m	
	Floor								
		1.00	256.72			0.22	56.48	Cu.m	
	Deduction for stone soling portion								
	Foundation								
	F1(1525 X 1525)	-6.00	1.68	-10.08	1.68	0.15	-2.54		
	F2 (1830 X 1830)	-4.00	1.98	-7.92	1.98	0.15	-2.35		
	F3 (2135 X 2135)	-4.00	2.29	-9.16	1.99	0.15	-2.73		
	F4(2440 X 2440)	-4.00	2.59	-10.36	2.29	0.15	-3.56		
	For Foundation Beam								
	Along Grid 1-1	-1.00	26.75	-26.75	0.38	0.15	-1.52		
	Along Grid 2-2	-1.00	26.45	-26.45	0.38	0.15	-1.51		
	Along Grid 3-3	-1.00	26.45	-26.45	0.38	0.15	-1.51		
	Along Grid A-A	-1.00	7.71	-7.71	0.38	0.15	-0.44		
	Along Grid B-B	-1.00	7.71	-7.71	0.38	0.15	-0.44		
	Along Grid C-C	-1.00	7.71	-7.71	0.38	0.15	-0.44		
	Along Grid D-D	-1.00	7.71	-7.71	0.38	0.15	-0.44		
	Along Grid E-E	-1.00	7.71	-7.71	0.38	0.15	-0.44		
	Along Grid F-F	-1.00	7.71	-7.71	0.38	0.15	-0.44		
	Deduction for PCC portion								
	Foundation								
	F1(1525 X 1525)	-6.00	1.68	-10.08	1.68	0.08	-1.35		
	F2 (1830 X 1830)	-4.00	1.98	-7.92	1.98	0.08	-1.25		
	F3 (2135 X 2135)	-4.00	2.29	-9.16	1.99	0.08	-1.46		
	F4(2440 X 2440)	-4.00	2.59	-10.36	2.29	0.08	-1.90		
	For Foundation Beam								
	Along Grid 1-1	-1.00	26.75	-26.75	0.38	0.08	-0.81		
	Along Grid 2-2	-1.00	26.45	-26.45	0.38	0.08	-0.80		
	Along Grid 3-3	-1.00	26.45	-26.45	0.38	0.08	-0.80		
	Along Grid A-A	-1.00	7.71	-7.71	0.38	0.08	-0.23		
	Along Grid B-B	-1.00	7.71	-7.71	0.38	0.08	-0.23		
	Along Grid C-C	-1.00	7.71	-7.71	0.38	0.08	-0.23		
	Along Grid D-D	-1.00	7.71	-7.71	0.38	0.08	-0.23		
	Along Grid E-E	-1.00	7.71	-7.71	0.38	0.08	-0.23		
	Along Grid F-F	-1.00	7.71	-7.71	0.38	0.08	-0.23		
	Deduction for RCC portion								
	Foundation								
	F1(1525 X 1525)	-6.00	1.53	-9.18	1.53	0.35	-4.92		
	F2 (1830 X 1830)	-4.00	1.83	-7.32	1.83	0.41	-5.49		
	F3 (2135 X 2135)	-4.00	2.14	-8.56	1.84	0.41	-6.46		

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DETAIL ESTIMATE (Community Building)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks	
			Length	T.Length	Breadth	Height				
	F4(2440 X 2440)	-4.00	2.44	-9.76	2.14	0.41	-8.56			
	For Foundation Beam									
	Along Grid 1-1	-1.00	26.75	-26.75	0.23	0.30	-1.85			
	Along Grid 2-2	-1.00	26.45	-26.45	0.23	0.30	-1.83			
	Along Grid 3-3	-1.00	26.45	-26.45	0.23	0.30	-1.83			
	Along Grid A-A	-1.00	7.71	-7.71	0.23	0.30	-0.53			
	Along Grid B-B	-1.00	7.71	-7.71	0.23	0.30	-0.53			
	Along Grid C-C	-1.00	7.71	-7.71	0.23	0.30	-0.53			
	Along Grid D-D	-1.00	7.71	-7.71	0.23	0.30	-0.53			
	Along Grid E-E	-1.00	7.71	-7.71	0.23	0.30	-0.53			
	Along Grid F-F	-1.00	7.71	-7.71	0.23	0.30	-0.53			
	Column upto excavation level									
	C1 (350x350)	-6.00	0.35	-2.10	0.35	1.15	-0.85			
	C2 (410X410)	-8.00	0.41	-3.28	0.41	1.09	-1.47			
	C3 (410X410)	-2.00	0.41	-0.82	0.41	1.09	-0.37			
	C4 (410X410)	-1.00	0.41	-0.41	0.41	1.09	-0.18			
	C5 (410X410)	-1.00	0.41	-0.41	0.41	1.09	-0.18			
	Brick work upto excavation level									
	Along Grid 1-1	-1.00	26.75	-26.75	0.23	0.79	-4.86			
	Along Grid 2-2	-1.00	26.45	-26.45	0.23	0.79	-4.81			
	Along Grid 3-3	-1.00	26.45	-26.45	0.23	0.79	-4.81			
	Along Grid A-A	-1.00	7.71	-7.71	0.23	0.79	-1.40			
	Along Grid B-B	-1.00	7.71	-7.71	0.23	0.79	-1.40			
	Along Grid C-C	-1.00	7.71	-7.71	0.23	0.79	-1.40			
	Along Grid D-D	-1.00	7.71	-7.71	0.23	0.79	-1.40			
	Along Grid E-E	-1.00	7.71	-7.71	0.23	0.79	-1.40			
	Along Grid F-F	-1.00	7.71	-7.71	0.23	0.79	-1.40			
			Total Filling Work				283.53	Cu.m		
4	Soling work									
4.1	Brick Soling									
	Floor									
	Floor	1.00	256.72				256.72			
	Entry porch staircase east and west	2.00	1.28	2.56	0.70		1.79			
	Entry porch staircase south	1.00	23.23	23.23	0.70		16.26			
	Wall post block	4.00	0.45	1.80	0.70		1.26			
	Ramp	1.00	6.50	6.50	1.60		10.40			

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DETAIL ESTIMATE (Community Building)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
			Total brick soling work				286.43	Sq.m	
4.2	Stone Soling								
	For Footing of column								
	F1(1525 X 1525)	6.00	1.68	10.08	1.68	0.15	2.54		
	F2 (1830 X 1830)	4.00	1.98	7.92	1.98	0.15	2.35		
	F3 (2135 X 2135)	4.00	2.29	9.16	1.99	0.15	2.73		
	F4(2440 X 2440)	4.00	2.59	10.36	2.29	0.15	3.56		
	For Foundation Beam								
	Along Grid 1-1	1.00	26.75	26.75	0.38	0.15	1.52		
	Along Grid 2-2	1.00	26.45	26.45	0.38	0.15	1.51		
	Along Grid 3-3	1.00	26.45	26.45	0.38	0.15	1.51		
	Along Grid A-A	1.00	7.71	7.71	0.38	0.15	0.44		
	Along Grid B-B	1.00	7.71	7.71	0.38	0.15	0.44		
	Along Grid C-C	1.00	7.71	7.71	0.38	0.15	0.44		
	Along Grid D-D	1.00	7.71	7.71	0.38	0.15	0.44		
	Along Grid E-E	1.00	7.71	7.71	0.38	0.15	0.44		
	Along Grid F-F	1.00	7.71	7.71	0.38	0.15	0.44		
	apron	1.00	80.51	80.51	1.00	0.15	12.08		
	drain	1.00	88.51	88.51	0.69	0.15	9.16		
			Total boulder soling work				39.60	Cu.m	
5	Sand Filling								
	Ground Floor								
	Floor	1.00	256.72			0.10	25.67		
			Total Sand Filling Work				25.67	Cu.m	
6	500 MICRON POLYTHENE SHEET								
	Ground Floor								
	Floor	1.00	256.72				256.72		
			Total micron polythene sheet work				256.72	Sq.m	
7	Brickwork								
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m	
	Upto Plinth Level								
	Along Grid 1-1	1.00	26.75	26.75	0.23	0.89	5.48		
	Along Grid 2-2	1.00	26.45	26.45	0.23	0.89	5.41		
	Along Grid 3-3	1.00	26.45	26.45	0.23	0.89	5.41		
	Along Grid A-A	1.00	7.71	7.71	0.23	0.89	1.58		
	Along Grid B-B	1.00	7.71	7.71	0.23	0.89	1.58		

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks	
			Length	T.Length	Breadth	Height				
	Along Grid C-C	1.00	7.71	7.71	0.23	0.89	1.58			
	Along Grid D-D	1.00	7.71	7.71	0.23	0.89	1.58			
	Along Grid E-E	1.00	7.71	7.71	0.23	0.89	1.58			
	Along Grid F-F	1.00	7.71	7.71	0.23	0.89	1.58			
	Entry porch staircase east and west									
	1st step	2.00	1.08	2.16	0.30	0.15	0.10			
	2nd step	2.00	1.08	2.16	0.30	0.30	0.19			
	Entry porch staircase south									
	1st step	1.00	23.03	23.03	0.30	0.15	1.04			
	2nd step	1.00	23.03	23.03	0.30	0.30	2.07			
	drain	2.00	88.51	177.02	0.23	0.30	12.21			
			Total 1:6 B/W upto plinth level				41.39	Cu.m		
7.2	Brick Masonry Works in 1:6 C/S mortar upto GF							Cu.m		
	Ground Floor									
	Along Grid 2-2	1.00	26.45	26.45	0.23	2.60	15.82			
	Along Grid 3-3	1.00	26.45	26.45	0.23	2.60	15.82			
	Along Grid A-A	1.00	5.59	5.59	0.23	2.60	3.34			
	Along Grid C-C	1.00	5.59	5.59	0.23	2.60	3.34			
	Along Grid D-D	1.00	5.59	5.59	0.23	2.60	3.34			
	Along Grid F-F	1.00	5.59	5.59	1.23	2.60	17.88			
	Deduction for openings									
	Window									
	W1(1800 X 1200)	-12.00	1.80	-21.60	0.23	1.20	-5.96			
	W2 (1100 X 1100)	-2.00	1.10	-2.20	0.23	1.10	-0.56			
	W3 (1200 X 1100)	-1.00	1.20	-1.20	0.23	1.10	-0.30			
	Door									
	D1(1100 X 2100)	-4.00	1.10	-4.40	0.23	2.10	-2.13			
			Total 1:4 B/W upto GF				50.59	Cu.m		
7.3	Brick Masonry Works in 1:6 C/S mortar above GF							Cu.m		
7.3.1	First Floor									
	Along Grid 1-1	1.00	31.45	31.45	0.23	0.48	3.47			
	Along Grid 2-2	1.00	26.45	26.45	0.23	2.60	15.82			
	Along Grid 3-3	1.00	26.45	26.45	0.23	2.60	15.82			

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DETAIL ESTIMATE (Community Building)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks	
			Length	T.Length	Breadth	Height				
	Along Grid A-A	1.00	5.59	5.59	0.23	2.60	3.34			
	Along Grid B-B	1.00	5.59	5.59	0.23	2.60	3.34			
	Along Grid C-C	1.00	5.59	5.59	0.23	2.60	3.34			
	Along Grid D-D	1.00	5.59	5.59	0.23	2.60	3.34			
	Along Grid E-E	1.00	5.59	5.59	0.23	2.60	3.34			
	Along Grid F-F	1.00	5.59	5.59	0.23	2.60	3.34			
	Deduction for openings									
	Window									
	W1(1800 X 1200)	-12.00	1.80	-21.60	0.23	1.20	-5.96			
	W2 (1100 X 1100)	-2.00	1.10	-2.20	0.23	1.10	-0.56			
	W3 (1200 X 1100)	-1.00	1.20	-1.20	0.23	1.10	-0.30			
	Door									
	D1(1100 X 2100)	-4.00	1.10	-4.40	0.23	2.10	-2.13			
			Total 1:4 B/W First floor				46.20	Cu.m		
7.3.2	Second Floor or Terrace									
	Along Grid 2-2	1.00	4.50	4.50	0.23	2.60	2.69			
	Along Grid 2-2	1.00	4.50	4.50	0.23	2.60	2.69			
	Along Grid C-C	1.00	5.59	5.59	0.23	2.60	3.34			
	Along Grid D-D	1.00	5.59	5.59	0.23	2.60	3.34			
	Parapet wall(9")	1.00	70.85	70.85	0.23	1.00	16.30			
	Deduction for openings									
	Window									
	W2 (1100 X 1100)	-2.00	1.10	-2.20	0.23	1.10	-0.56			
	Door									
	D1(1100 X 2100)	-1.00	1.10	-1.10	0.23	2.10	-0.53			
			Total 1:6 B/W above GF				27.27	Cu.m		
8	PCC and RCC Work									
8.1	M10 (1:3:6)									
8.1.1	Foundation									
	For Footing of column									
	F1(1525 X 1525)	6.00	1.68	10.08	1.68	0.08	1.35			
	F2 (1830 X 1830)	4.00	1.98	7.92	1.98	0.08	1.25			
	F3 (2135 X 2135)	4.00	2.29	9.16	1.99	0.08	1.46			
	F4(2440 X 2440)	4.00	2.59	10.36	2.29	0.08	1.90			
	For Foundation Beam									
	Along Grid 1-1	1.00	26.75	26.75	0.38	0.08	0.81			

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks	
			Length	T.Length	Breadth	Height				
	Along Grid 2-2	1.00	26.45	26.45	0.38	0.08	0.80			
	Along Grid 3-3	1.00	26.45	26.45	0.38	0.08	0.80			
	Along Grid A-A	1.00	7.71	7.71	0.38	0.08	0.23			
	Along Grid B-B	1.00	7.71	7.71	0.38	0.08	0.23			
	Along Grid C-C	1.00	7.71	7.71	0.38	0.08	0.23			
	Along Grid D-D	1.00	7.71	7.71	0.38	0.08	0.23			
	Along Grid E-E	1.00	7.71	7.71	0.38	0.08	0.23			
	Along Grid F-F	1.00	7.71	7.71	0.38	0.08	0.23			
	Entry porch staircase east and west	2.00	1.28	2.56	0.70	0.08	0.14			
	Entry porch staircase south	1.00	23.23	23.23	0.70	0.08	1.30			
			Total M10 (1:3:6) PCC					11.19	Cu.m	
8.2	M15 (1:2:4)									
	Ground Floor									
	Floor	1.00	256.72			0.08	20.54			
			Total M15 (1:2:4) PCC					20.54	Cu.m	
8.3	M20 (1:1.5:3)									
8.3.1	For Column footing									
	F1 (1525 X 1525)	6.00	1.53	9.18	1.53	0.35	4.92			
	F2 (1830 X 1830)	4.00	1.83	7.32	1.83	0.41	5.49			
	F3 (2135 X 2135)	4.00	2.14	8.56	1.84	0.41	6.46			
	F4(2440 X 2440)	4.00	2.44	9.76	2.14	0.41	8.56			
			Total RCC for footing					25.43	Cu.m	
8.3.2	Column									
	For Column upto Top Tie Beam									
	C1 (350x350)	6.00	0.35	2.10	0.35	1.50	1.10			
	C2 (410X410)	8.00	0.41	3.28	0.41	1.44	1.94			
	C3 (410X410)	2.00	0.41	0.82	0.41	1.44	0.48			
	C4 (410X410)	1.00	0.41	0.41	0.41	1.44	0.24			
	C5 (410X410)	1.00	0.41	0.41	0.41	1.44	0.24			
	For Column above plinth (up to roof)									
	C1 (350x350)	6.00	0.35	2.10	0.35	6	4.41			
	C2 (410X410)	8.00	0.41	3.28	0.41	6	8.07			
	C3 (410X410)	2.00	0.41	0.82	0.41	9	3.03			
	C4 (410X410)	1.00	0.41	0.41	0.41	9	1.51			
	C5 (410X410)	1.00	0.41	0.41	0.41	9	1.51			
			Total RCC for column					22.53	Cu.m	

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
8.3.3.	Beam								
8.3.3.1	For Foundation Beam								
	Along Grid 1-1	1.00	26.75	26.75	0.23	0.30	1.85		
	Along Grid 2-2	1.00	26.45	26.45	0.23	0.30	1.83		
	Along Grid 3-3	1.00	26.45	26.45	0.23	0.30	1.83		
	Along Grid A-A	1.00	7.71	7.71	0.23	0.30	0.53		
	Along Grid B-B	1.00	7.71	7.71	0.23	0.30	0.53		
	Along Grid C-C	1.00	7.71	7.71	0.23	0.30	0.53		
	Along Grid D-D	1.00	7.71	7.71	0.23	0.30	0.53		
	Along Grid E-E	1.00	7.71	7.71	0.23	0.30	0.53		
	Along Grid F-F	1.00	7.71	7.71	0.23	0.30	0.53		
							8.69	Cu.m	
8.3.3.2	For Top Tie Beam								
	Along Grid 1-1	1.00	26.75	26.75	0.23	0.35	2.15		
	Along Grid 2-2	1.00	26.45	26.45	0.23	0.35	2.13		
	Along Grid 3-3	1.00	26.45	26.45	0.23	0.35	2.13		
	Along Grid A-A	1.00	7.71	7.71	0.23	0.35	0.62		
	Along Grid B-B	1.00	7.71	7.71	0.23	0.35	0.62		
	Along Grid C-C	1.00	7.71	7.71	0.23	0.35	0.62		
	Along Grid D-D	1.00	7.71	7.71	0.23	0.35	0.62		
	Along Grid E-E	1.00	7.71	7.71	0.23	0.35	0.62		
	Along Grid F-F	1.00	7.71	7.71	0.23	0.35	0.62		
	Between C-D	1.00	4.50	4.50	0.23	0.30	0.31		
							10.44	Cu.m	
8.3.3.3	For first floor beam								
	Along Grid 1-1	1.00	26.75	26.75	0.30	0.40	3.21		
	Along Grid 2-2	1.00	26.45	26.45	0.30	0.40	3.17		
	Along Grid 3-3	1.00	26.45	26.45	0.30	0.40	3.17		
	Along Grid A-A	1.00	7.71	7.71	0.30	0.40	0.93		
	Along Grid B-B	1.00	7.71	7.71	0.30	0.40	0.93		
	Along Grid C-C	1.00	7.71	7.71	0.30	0.40	0.93		
	Along Grid D-D	1.00	7.71	7.71	0.30	0.40	0.93		
	Along Grid E-E	1.00	7.71	7.71	0.30	0.40	0.93		
	Along Grid F-F	1.00	7.71	7.71	0.30	0.40	0.93		
	Secondary beam along Y	4.00	6.50	26.00	0.23	0.30	1.79		
	Secondary beam along X	1.00	28.50	28.50	0.23	0.30	1.97		
							18.89	Cu.m	
8.3.3.4	For second floor beam								
	Along Grid 1-1	1.00	29.00	29.00	0.30	0.40	3.48		
	Along Grid 2-2	1.00	28.70	28.70	0.30	0.40	3.44		

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks	
			Length	T.Length	Breadth	Height				
	Along Grid 3-3	1.00	28.70	28.70	0.30	0.40	3.44			
	Along Grid A-A	1.00	9.94	9.94	0.30	0.40	1.19			
	Along Grid B-B	1.00	9.94	9.94	0.30	0.40	1.19			
	Along Grid C-C	1.00	9.94	9.94	0.30	0.40	1.19			
	Along Grid D-D	1.00	9.94	9.94	0.30	0.40	1.19			
	Along Grid E-E	1.00	9.94	9.94	0.30	0.40	1.19			
	Along Grid F-F	1.00	9.94	9.94	0.30	0.40	1.19			
	Secondary beam along Y	4.00	6.50	26.00	0.23	0.30	1.79			
	Secondary beam along X	1.00	28.50	28.50	0.23	0.30	1.97			
							21.26	Cu.m		
	For Roof floor beam									
	Along Grid 2-2	1.00	4.50	4.50	0.23	0.40	0.41			
	Along Grid 3-3	1.00	4.50	4.50	0.23	0.40	0.41			
	Along Grid C-C	1.00	6.00	6.00	0.23	0.40	0.55			
	Along Grid D-D	1.00	6.00	6.00	0.23	0.40	0.55			
							1.92			
			Total RCC for beam					61.20	Cu.m	
8.3.4	Slab									
	First Floor	1.00	236.92			0.13	30.80			
	Second Floor	1.00	309.99			0.13	40.30			
	Roof	1.00	51.43			0.13	6.69			
							77.79	Cu.m		
8.3.5	Staircase									
	GF-2F	2.000								
	First flight	1.00	3.23	3.23	2.00	0.18	1.16			
	First Landing	1.00	4.15	4.15	2.00	0.18	1.49			
	Second flight	1.00	3.23	3.23	2.00	0.18	1.16			
	steps	18.00	2.00	36.00	0.30	0.08	0.86			
							9.34	Cu.m		
8.3.7	Sill band									
8.3.7.1	Ground Floor									
	Along Grid 2-2	1.00	26.45	26.45	0.23	0.08	0.49			
	Along Grid 3-3	1.00	26.45	26.45	0.23	0.08	0.49			
	Along Grid A-A	1.00	5.59	5.59	0.23	0.08	0.10			
	Along Grid C-C	1.00	5.59	5.59	0.23	0.08	0.10			
	Along Grid D-D	1.00	5.59	5.59	0.23	0.08	0.10			
	Along Grid F-F	1.00	5.59	5.59	1.23	0.08	0.55			
	Deduction for openings									
	Door									

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	D1(1100 X 2100)	-4.00	1.10	-4.40	0.23	0.08	-0.08		
							1.75	Cu.m	
8.3.7.2	First Floor								
	Along Grid 1-1	1.00	31.45	31.45	0.23	0.08	0.58		
	Along Grid 2-2	1.00	26.45	26.45	0.23	0.08	0.49		
	Along Grid 3-3	1.00	26.45	26.45	0.23	0.08	0.49		
	Along Grid A-A	1.00	5.59	5.59	0.23	0.08	0.10		
	Along Grid B-B	1.00	5.59	5.59	0.23	0.08	0.10		
	Along Grid C-C	1.00	5.59	5.59	0.23	0.08	0.10		
	Along Grid D-D	1.00	5.59	5.59	0.23	0.08	0.10		
	Along Grid E-E	1.00	5.59	5.59	0.23	0.08	0.10		
	Along Grid F-F	1.00	5.59	5.59	0.23	0.08	0.10		
	Deduction for openings								
	Door								
	D1(1100 X 2100)	-4.00	1.10	-4.40	0.23	0.08	-0.08		
							2.08	Cu.m	
8.3.7.4	Second Floor or Terrace								
	Along Grid 2-2	1.00	4.50	4.50	0.23	0.08	0.08		
	Along Grid 2-2	1.00	4.50	4.50	0.23	0.08	0.08		
	Along Grid C-C	1.00	5.59	5.59	0.23	0.08	0.10		
	Along Grid D-D	1.00	5.59	5.59	0.23	0.08	0.10		
	Parapet wall(9")	1.00	70.85	70.85	0.23	0.08	1.30		
							1.66	Cu.m	
	Deduction for openings								
	D1(1100 X 2100)	-1.00	1.10	-1.10	0.23	0.08	-0.02		
							5.47	Cu.m	
	Total RCC for Sill band								
8.3.8	Lintel band								
8.3.8.1	Ground Floor								
	Along Grid 2-2	1	26.45	26.45	0.23	0.13	0.79		
	Along Grid 3-3	1	26.45	26.45	0.23	0.13	0.79		
	Along Grid A-A	1	5.59	5.59	0.23	0.13	0.17		
	Along Grid C-C	1	5.59	5.59	0.23	0.13	0.17		
	Along Grid D-D	1	5.59	5.59	0.23	0.13	0.17		
	Along Grid F-F	1	5.59	5.59	1.23	0.13	0.89		
							2.98	Cu.m	
8.3.8.2	First Floor								
	Along Grid 2-2	1.00	26.45	26.45	0.23	0.13	0.79		

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DETAIL ESTIMATE (Community Building)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Along Grid 3-3	1.00	26.45	26.45	0.23	0.13	0.79		
	Along Grid A-A	1.00	5.59	5.59	0.23	0.13	0.17		
	Along Grid B-B	1.00	5.59	5.59	0.23	0.13	0.17		
	Along Grid C-C	1.00	5.59	5.59	0.23	0.13	0.17		
	Along Grid D-D	1.00	5.59	5.59	0.23	0.13	0.17		
	Along Grid E-E	1.00	5.59	5.59	0.23	0.13	0.17		
	Along Grid F-F	1.00	5.59	5.59	0.23	0.13	0.17		
							2.60	Cu.m	
8.3.8.3	Second Floor or Terrace								
	Along Grid 2-2	1.00	4.50	4.50	0.23	0.13	0.13		
	Along Grid 2-2	1.00	4.50	4.50	0.23	0.13	0.13		
	Along Grid C-C	1.00	5.59	5.59	0.23	0.13	0.17		
	Along Grid D-D	1.00	5.59	5.59	0.23	0.13	0.17		
							0.60	Cu.m	
							6.18	Cu.m	
							207.94	Cu.m	
9	FORMWORKS								
9.1	For Column								
	For Column upto Top Tie Beam								
	C1 (350x350)	6.00	1.40	8.40		1.50	12.60		
	C2 (410X410)	8.00	1.64	13.12		1.44	18.89		
	C3 (410X410)	2.00	1.64	3.28		1.44	4.72		
	C4 (410X410)	1.00	1.64	1.64		1.44	2.36		
	C5 (410X410)	1.00	1.64	1.64		1.44	2.36		
	For Column above plinth (up to roof)								
	C1 (350x350)	6.00	1.40	8.40		6.00	50.40		
	C2 (410X410)	8.00	1.64	13.12		6.00	78.72		
	C3 (410X410)	2.00	1.64	3.28		9.00	29.52		
	C4 (410X410)	1.00	1.64	1.64		9.00	14.76		
	C5 (410X410)	1.00	1.64	1.64		9.00	14.76		
							229.09	Sq.m	
9.2	For Beam								
	For Foundation Beam								
	Along Grid 1-1	1.00	26.75	26.75		0.60	16.05		
	Along Grid 2-2	1.00	26.45	26.45		0.60	15.87		
	Along Grid 3-3	1.00	26.45	26.45		0.60	15.87		

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DETAIL ESTIMATE (Community Building)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Along Grid A-A	1.00	7.71	7.71		0.60	4.63		
	Along Grid B-B	1.00	7.71	7.71		0.60	4.63		
	Along Grid C-C	1.00	7.71	7.71		0.60	4.63		
	Along Grid D-D	1.00	7.71	7.71		0.60	4.63		
	Along Grid E-E	1.00	7.71	7.71		0.60	4.63		
	Along Grid F-F	1.00	7.71	7.71		0.60	4.63		
							75.57	Sq.m	
	For Top Tie Beam								
	Along Grid 1-1	1.00	26.75	26.75		0.70	18.73		
	Along Grid 2-2	1.00	26.45	26.45		0.70	18.52		
	Along Grid 3-3	1.00	26.45	26.45		0.70	18.52		
	Along Grid A-A	1.00	7.71	7.71		0.70	5.40		
	Along Grid B-B	1.00	7.71	7.71		0.70	5.40		
	Along Grid C-C	1.00	7.71	7.71		0.70	5.40		
	Along Grid D-D	1.00	7.71	7.71		0.70	5.40		
	Along Grid E-E	1.00	7.71	7.71		0.70	5.40		
	Along Grid F-F	1.00	7.71	7.71		0.70	5.40		
	Between C-D	1.00	4.50	4.50		0.60	2.70		
							90.87	Sq.m	
	For first floor beam								
	Along Grid 1-1	1.00	26.75	26.75		0.84	22.47		
	Along Grid 2-2	1.00	26.45	26.45		0.84	22.22		
	Along Grid 3-3	1.00	26.45	26.45		0.84	22.22		
	Along Grid A-A	1.00	7.71	7.71		0.84	6.48		
	Along Grid B-B	1.00	7.71	7.71		0.84	6.48		
	Along Grid C-C	1.00	7.71	7.71		0.84	6.48		
	Along Grid D-D	1.00	7.71	7.71		0.84	6.48		
	Along Grid E-E	1.00	7.71	7.71		0.84	6.48		
	Along Grid F-F	1.00	7.71	7.71		0.84	6.48		
	Secondary beam along Y	4.00	6.50	26.00		0.57	14.82		
	Secondary beam along X	1.00	28.50	28.50		0.57	16.25		
							136.86	Sq.m	
	For second floor beam								
	Along Grid 1-1	1.00	29.00	29.00		0.84	24.36		
	Along Grid 2-2	1.00	28.70	28.70		0.84	24.11		
	Along Grid 3-3	1.00	28.70	28.70		0.84	24.11		
	Along Grid A-A	1.00	9.94	9.94		0.84	8.35		
	Along Grid B-B	1.00	9.94	9.94		0.84	8.35		
	Along Grid C-C	1.00	9.94	9.94		0.84	8.35		

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Along Grid D-D	1.00	9.94	9.94		0.84	8.35		
	Along Grid E-E	1.00	9.94	9.94		0.84	8.35		
	Along Grid F-F	1.00	9.94	9.94		0.84	8.35		
	Secondary beam along Y	4.00	6.50	26.00		0.57	14.82		
	Secondary beam along X	1.00	28.50	28.50		0.57	16.25		
							153.75	Sq.m	
	For Roof floor beam								
	Along Grid 2-2	1.00	4.50	4.50		0.77	3.47		
	Along Grid 3-3	1.00	4.50	4.50		0.77	3.47		
	Along Grid C-C	1.00	6.00	6.00		0.77	4.62		
	Along Grid D-D	1.00	6.00	6.00		0.77	4.62		
							16.18		
			Total foRmwork for beam					473.23	Sq.m
9.3	For Footing,slab, staircase, sill, lintel etc								
9.3.1.	For Footing								
	Sides For PCC Column footing								
	F1(1525 X 1525)	6.00	6.72	40.32		0.08	3.23		
	F2 (1830 X 1830)	4.00	7.92	31.68		0.08	2.53		
	F3 (2135 X 2135)	4.00	8.56	34.24		0.08	2.74		
	F4(2440 X 2440)	4.00	9.76	39.04		0.08	3.12		
	Sides For RCC Column footing								
	F1(1525 X 1525)	6.00	6.12	36.72		0.35	12.85		
	F2 (1830 X 1830)	4.00	7.32	29.28		0.41	12.00		
	F3 (2135 X 2135)	4.00	7.96	31.84		0.41	13.05		
	F4(2440 X 2440)	4.00	9.16	36.64		0.41	15.02		
			Total foRmwork for footing					64.54	Sq.m
	Sides for PCC work below foundation beam								
	Along Grid 1-1	1.00	26.75	26.75		0.16	4.28		
	Along Grid 2-2	1.00	26.45	26.45		0.16	4.23		
	Along Grid 3-3	1.00	26.45	26.45		0.16	4.23		
	Along Grid A-A	1.00	7.71	7.71		0.16	1.23		
	Along Grid B-B	1.00	7.71	7.71		0.16	1.23		
	Along Grid C-C	1.00	7.71	7.71		0.16	1.23		
	Along Grid D-D	1.00	7.71	7.71		0.16	1.23		
	Along Grid E-E	1.00	7.71	7.71		0.16	1.23		
	Along Grid F-F	1.00	7.71	7.71		0.16	1.23		
	Entry porch staircase east and west	2.00	1.28	2.56		0.16	0.41		

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Entry porch staircase south	1.00	23.23	23.23		0.16	3.72		
	Total foRmwork for PCC below foundation beam						24.25	Sq.m	
9.3.4	Slab								
	First Floor	1.00	284.30				284.30		
	Second Floor	1.00	371.99				371.99		
	Roof	1.00	61.72				61.72		
	Total foRmwork for slab						718.01	Sq.m	
9.3.5	Staircase								
	GF-2F	2.00							
	First flight	1.00	3.23	3.23	2.36		7.62		
	First Landing	1.00	4.15	4.15	2.36		9.79		
	Second flight	1.00	3.23	3.23	2.36		7.62		
	Steps riser face	20.00	2.00	40.00	0.15		6.00		
	Steps triangular face side	40.00	0.30	12.00	0.08		0.96		
	Total foRmowrk for staircase						63.98	Sq.m	
9.3.7	Sill band								
	Ground Floor								
	Along Grid 2-2	1.00	26.45	26.45		0.16	4.23		
	Along Grid 3-3	1.00	26.45	26.45		0.16	4.23		
	Along Grid A-A	1.00	5.59	5.59		0.16	0.89		
	Along Grid C-C	1.00	5.59	5.59		0.16	0.89		
	Along Grid D-D	1.00	5.59	5.59		0.16	0.89		
	Along Grid F-F	1.00	5.59	5.59		0.16	0.89		
	Deduction for openings								
	Door								
	D1(1100 X 2100)	-4.00	1.10	-4.40		0.16	-0.70		
							11.32	Sq.m	
	First Floor								
	Along Grid 1-1	1.00	31.45	31.45		0.16	5.03		
	Along Grid 2-2	1.00	26.45	26.45		0.16	4.23		
	Along Grid 3-3	1.00	26.45	26.45		0.16	4.23		
	Along Grid A-A	1.00	5.59	5.59		0.16	0.89		
	Along Grid B-B	1.00	5.59	5.59		0.16	0.89		
	Along Grid C-C	1.00	5.59	5.59		0.16	0.89		
	Along Grid D-D	1.00	5.59	5.59		0.16	0.89		
	Along Grid E-E	1.00	5.59	5.59		0.16	0.89		
	Along Grid F-F	1.00	5.59	5.59		0.16	0.89		

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Deduction for openings								
	Door								
	D1(1100 X 2100)	-4.00	1.10	-4.40		0.16	-0.70		
							18.13	Sq.m	
	Second Floor or Terrace								
	Along Grid 2-2	1.00	4.50	4.50		0.16	0.72		
	Along Grid 2-2	1.00	4.50	4.50		0.16	0.72		
	Along Grid C-C	1.00	5.59	5.59		0.16	0.89		
	Along Grid D-D	1.00	5.59	5.59		0.16	0.89		
	Parapet wall(9")	1.00	70.85	70.85		0.16	11.34		
							14.56	Sq.m	
	Deduction for openings								
	D1(1100 X 2100)	-1.00	1.10	-1.10		0.16	-0.18		
			Total foRmwork for Sill band					43.83	Sq.m
9.3.8	Lintel band								
	Ground Floor								
	Along Grid 2-2	1.00	26.45	26.45		0.26	6.88		
	Along Grid 3-3	1.00	26.45	26.45		0.26	6.88		
	Along Grid A-A	1.00	5.59	5.59		0.26	1.45		
	Along Grid C-C	1.00	5.59	5.59		0.26	1.45		
	Along Grid D-D	1.00	5.59	5.59		0.26	1.45		
	Along Grid F-F	1.00	5.59	5.59		0.26	1.45		
							19.56	Sq.m	
	First Floor								
	Along Grid 2-2	1.00	26.45	26.45		0.26	6.88		
	Along Grid 3-3	1.00	26.45	26.45		0.26	6.88		
	Along Grid A-A	1.00	5.59	5.59		0.26	1.45		
	Along Grid B-B	1.00	5.59	5.59		0.26	1.45		
	Along Grid C-C	1.00	5.59	5.59		0.26	1.45		
	Along Grid D-D	1.00	5.59	5.59		0.26	1.45		
	Along Grid E-E	1.00	5.59	5.59		0.26	1.45		
	Along Grid F-F	1.00	5.59	5.59		0.26	21.01	Sq.m	
	Second Floor or Terrace								
	Along Grid 2-2	1.00	4.50	4.50		0.26	1.17		
	Along Grid 2-2	1.00	4.50	4.50		0.26	1.17		

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Along Grid C-C	1.00	5.59	5.59		0.26	1.45		
	Along Grid D-D	1.00	5.59	5.59		0.26	1.45		
							5.24		
			Total formwork for Lintel band					45.81	Sq.m
			total foRmwork for footing, slab, staircase, sill, lintel					960.42	Sq.m
			Total foRmwork					1662.74	Sq.m
10	REINFORCEMENT							Kg	
	(Sill+Lintel)Reinforcement(1%)	1.00	11.65				914.53		
	Footing Reinforcement(1%)	1.00	25.43				1996.26		
	Slab Staircase Reinforcement(1%)	1.00	87.13				6839.71		
	Beam Reinforcement(2%)	2.00	61.20				9608.40		
	Column Reinforcement(2.5%)	2.50	22.53				4421.51		
			Total reinforcement work					23780.41	Kg
11	Flooring & Finishing Work								
11.1	38mm thick P.C.C. in (1:2:4) with cement punning (1:1) for flooring work.							Sq.m	
	Ground Floor	1.00	256.72				256.72		
	First Floor	1.00	236.92				236.92		
	Porch								
	Entry porch staircase east and west	2.00							
	Riser	3.00	1.08	3.24		0.15	0.49		
	Tread	2.00	1.08	2.16		0.30	0.65		
	Entry porch staircase south	1.00							
	Riser	3.00	23.03	69.09		0.15	10.36		
	Tread	2.00	23.03	46.06		0.30	13.82		
							25.32		
			Total 38mm PCC with punning work					518.96	Sq.m
11.2	50mm thick P.C.C. in (1:2:4) with cement punning (1:1) for flooring work.							Sq.m	
	Terrace	1.00	309.99				309.99		
	Roof	1.00	51.43				51.43		
			Total 50mm PCC with punning work					361.42	Sq.m
11.5	16mm thick granite work							Sq.m	

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
11.5.1	Staircase number	2.00							
	GF-2F								
	Riser	20.00	2.00	40.00		0.15	6.00		
	tread	18.00	2.00	36.00		0.30	10.80		
	First Landing	1.00	4.15	4.15	2.00		8.30		
	Skirting								
	First Landing	1.00	12.30	12.30		0.13	1.60		
	flight	2.00	3.23	6.46		0.13	0.84		
							55.08		
11.5.3	Porch								
	Entry porch staircase east and west	2.00							
	Riser	3.00	1.08	3.24		0.15	0.49		
	Tread	2.00	1.08	2.16		0.30	0.65		
	Entry porch staircase south	1.00							
	Riser	3.00	23.03	69.09		0.15	10.36		
	Tread	2.00	23.03	46.06		0.30	13.82		
11.5.4	Door sill		As per width						
	Ground floor	1.00	4.40			0.30	1.32		
	First floor	1.00	4.40			0.30	1.32		
	Second Floor or Terrace	1.00	1.10			0.30	0.33		
11.5.5	Window sill								
	Ground floor	1.00	25.00			0.30	7.50		
	First floor	1.00	25.00			0.30	7.50		
	Second Floor or Terrace	1.00	2.20			0.30	0.66		
11.5.6	Parapet wall								
	Terrace								
	Parapet wall(9")	1.00	70.85	70.85		0.30	21.26		
			Total granite work				120.29	Sq.m	
11.6	Waterproofing								
11.6.3	Terrace	1.00	371.99				371.99		
11.6.4	Roof	1.00	61.72				61.72		
			Total waterproofing work				433.71	Sq.m	
12	PLASTERING & PUNNING WORKS								
12.1	12.5mm thick cement plaster in (1:3) in ceiling etc								
	Ground floor	1.00	236.92				236.92		
	First Floor	1.00	309.99				309.99		

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Second Floor	1.00	51.43				51.43		
			Total 12.5 mm th. Plaster in ceiling				598.34	Sq.m	
12.2	12.5mm thick cement plaster in (1:4) in Internal Wall etc						Sq.m		
12.2.1	Ground Floor								
	Along Grid 2-2	2.00	28.91	57.82		3.00	173.46		
	Along Grid 3-3	1.00	28.91	28.91		3.00	86.73		
	Along Grid A-A	2.00	6.41	12.82		3.00	38.46		
	Along Grid C-C	1.00	6.41	6.41		3.00	19.23		
	Along Grid D-D	1.00	6.41	6.41		3.00	19.23		
	Along Grid F-F	2.00	6.41	12.82		3.00	38.46		
	Kopla for opening								
	Window								
	W1(1800 X 1200)	12.00	6.00	72.00	0.23		16.56		
	W2 (1100 X 1100)	2.00	4.40	8.80	0.23		2.02		
	W3 (1200 X 1100)	1.00	4.60	4.60	0.23		1.06		
	Door								
	D1(1100 X 2100)	4.00	6.40	25.60	0.23		5.89		
	Deduction for openings								
	Window								
	W1(1800 X 1200)	-12.00	1.80	-21.60		1.20	-25.92		
	W2 (1100 X 1100)	-2.00	1.10	-2.20		1.10	-2.42		
	W3 (1200 X 1100)	-1.00	1.20	-1.20		1.10	-1.32		
	Door								
	D1(1100 X 2100)	-4.00	1.10	-4.40		2.10	-9.24		
							362.20	Sq.m	
12.2.2	First Floor								
	Along Grid 1-1	1.00	31.45	31.45		0.88	27.68		
	Along Grid 2-2	2.00	28.91	57.82		3.00	173.46		
	Along Grid 3-3	1.00	28.91	28.91		3.00	86.73		
	Along Grid A-A	1.00	6.41	6.41		3.00	19.23		
	Along Grid B-B	2.00	6.41	12.82		3.00	38.46		
	Along Grid C-C	2.00	6.41	12.82		3.00	38.46		
	Along Grid D-D	2.00	6.41	12.82		3.00	38.46		
	Along Grid E-E	2.00	6.41	12.82		3.00	38.46		
	Along Grid F-F	1.00	6.41	6.41		3.00	19.23		
	kopla for opening								

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Window								
	W1(1800 X 1200)	12.00	6.00	72.00	0.23		16.56		
	W2 (1100 X 1100)	2.00	4.40	8.80	0.23		2.02		
	W3 (1200 X 1100)	1.00	4.60	4.60	0.23		1.06		
	Door								
	D1(1100 X 2100)	4.00	6.40	25.60	0.23		5.89		
	Deduction for openings								
	Window								
	W1(1800 X 1200)	-12.00	1.80	-21.60		1.20	-25.92		
	W2 (1100 X 1100)	-2.00	1.10	-2.20		1.10	-2.42		
	W3 (1200 X 1100)	-1.00	1.20	-1.20		1.10	-1.32		
	Door								
	D1(1100 X 2100)	-4.00	1.10	-4.40		2.10	-9.24		
							466.80	Sq.m	
	Second Floor or Terrace								
	Along Grid 2-2	1.00	4.91	4.91		3.00	14.73		
	Along Grid 2-2	1.00	4.91	4.91		3.00	14.73		
	Along Grid C-C	1.00	6.00	6.00		3.00	18.00		
	Along Grid D-D	1.00	6.00	6.00		3.00	18.00		
	kopla for opening								
	Window								
	W2 (1100 X 1100)	2.00	4.40	8.80	0.23		2.02		
	Door								
	D1(1100 X 2100)	1.00	6.40	6.40	0.23		1.47		
	Deduction for openings								
	Window								
	W2 (1100 X 1100)	-2.00	1.10	-2.20		1.10	-2.42		
	Door								
	D1(1100 X 2100)	-1.00	1.10	-1.10		2.10	-2.31		
							64.22	Sq.m	
			Total 1:4 inner wall plaster					893.22	Sq.m
12.3	12.5 mm thick cement plaster in (1:4) in External Wall etc							Sq.m	
	Upto Plinth Level								
	Around Building	1.00	80.51	80.51		0.45	36.23		

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DETAIL ESTIMATE (Community Building)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
							36.23	Sq.m	
	Ground Floor								
	External wall	1.00	42.10	42.10		3.00	126.30	Sq.m	
	Deduction for openings								
	Window								
	W1(1800 X 1200)	-12.00	1.80	-21.60		1.20	-25.92		
	W2 (1100 X 1100)	-2.00	1.10	-2.20		1.10	-2.42		
	W3 (1200 X 1100)	-1.00	1.20	-1.20		1.10	-1.32		
	Door								
	D1(1100 X 2100)	-4.00	1.10	-4.40		2.10	-9.24		
							87.40	Sq.m	
	First Floor								
	External wall	1.00	66.14	66.14		3.00	198.42		
	Balcony wall	1.00	31.45	31.45		0.88	27.68		
	Deduction for openings								
	Window								
	W1(1800 X 1200)	-12.00	1.80	-21.60		1.20	-25.92		
	W2 (1100 X 1100)	-2.00	1.10	-2.20		1.10	-2.42		
	W3 (1200 X 1100)	-1.00	1.20	-1.20		1.10	-1.32		
							0.00		
	Door								
	D1(1100 X 2100)	-4.00	1.10	-4.40		2.10	-9.24		
							187.20	Sq.m	
	Second Floor or Terrace								
	Along Grid 2-2	1.00	4.91	4.91		3.00	14.73		
	Along Grid 2-2	1.00	4.91	4.91		3.00	14.73		
	Along Grid C-C	1.00	6.00	6.00		3.00	18.00		
	Along Grid D-D	1.00	6.00	6.00		3.00	18.00		
	Parapet wall(9")	2.00	70.85	141.70		1.00	141.70		
							141.70	Sq.m	
							Total 1:4 external plaster	452.53	Sq.m
12.4	3/4" Panipatti								
	Around the building								
	First floor	1.00	75.58	75.58			75.58		
	Second floor	1.00	82.95	82.95			82.95		
	Roof floor	1.00	28.82	28.82			28.82		
							Total 3/4" Panipatti	187.35	R.m
13	Doors and Windows								

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DETAIL ESTIMATE (Community Building)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
13.1	Door and window Frame								
	Salwood frame of size 75*100mm								
	Ground Floor								
	Door								
	D1(1100 X 2100)	4.00	5.30	21.20	0.08	0.10	0.17		
							0.17		
	First Floor								
	D1(1100 X 2100)	4.00	5.30	21.20	0.08	0.10	0.17		
							0.17		
	Second floor								
	D1(1100 X 2100)	1.00	5.30	5.30	0.08	0.10	0.04		
							0.04		
	Total salwood frame work						0.38	Cu.m	
13.2	Solid core flush door shutter								
	Providing and fixing of 38mm thick solid core flush door shutter with teak finish and with wooden beats on edge 3 nos of 10cm hinge , 2 nos of 15cm long approved quality tower bolts , 1 no of 150mm latch, 2 nos of good quality handles and 1 no of good quality of mortse lock								
	Ground Floor								
	Door								
	D1(1100 X 2100)	4.00	1.10	4.40		2.10	9.24		
							9.24		
	First Floor								
	D1(1100 X 2100)	4.00	1.10	4.40		2.10	9.24		
							9.24		
	Second floor								
	D1(1100 X 2100)	1.00	1.10	1.10		2.10	2.31		
							2.31		
	Total door shutter work						20.79	Sq.m	
13.3	Aluminium window								
	Ground Floor								
	Window								
	W1(1800 X 1200)	12.00	1.80	21.60		1.20	25.92		
	W2 (1100 X 1100)	2.00	1.10	2.20		1.10	2.42		
	W3 (1200 X 1100)	1.00	1.20	1.20		1.10	1.32		
							29.66	sq.m.	

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DETAIL ESTIMATE (Community Building)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	First Floor								
	W1(1800 X 1200)	12.00	1.80	21.60		1.20	25.92		
	W2 (1100 X 1100)	2.00	1.10	2.20		1.10	2.42		
	W3 (1200 X 1100)	1.00	1.20	1.20		1.10	1.32		
							29.66		
	Second Floor or Terrace								
	W2 (1100 X 1100)	2.00	1.10	2.20		1.10	2.42		
							2.42		
	Total Window shutter						61.74	Sq.m	
13.4	Grill work								
	Ground Floor								
	As per shutter	1.00		As per shutter			29.66	Sq.m	
	Total Grill work						29.66	Sq.m	
14	Coloring / Painting works								
14.2	Interior Emulsion paint								
	Total internal & ceiling wall paint			as per plaster work			1491.56		
	Total emulsion paint						1491.56	Sq.m	
14.3	Exterior weathercoat paint								
	Total external wall paint			As per exterior plaster work			452.53		
	Total weather coat paint						452.53	Sq.m	
14.4	Enamel paint								
	Grill work			As per grill work			29.66		
	Metal work								
	Staircase railing								
	50 mm dia handrail	2.00	7.46	14.92	0.31		4.62		
	3 layers of 25 mm dia horizontal railing	6.00	7.46	44.76	0.16		7.16		
	32 mm dia vertical post	9.00	1.00	9.00	0.20		1.80		
	Verandah / Balcony railing work)								
	Ramp railing								
	50 mm dia handrail	1.00	1.00	1.00	0.31		0.31		
	3 layers of 25 mm dia horizontal railing	3.00	1.00	3.00	0.16		0.48		

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DETAIL ESTIMATE (Community Building)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks	
			Length	T.Length	Breadth	Height				
	50 mm dia bottom	1.00	31.45	31.45	5.03		158.19			
	32 mm dia vertical post	21.00	0.60	12.60	3.10		39.06			
	25 mm dia vertical post	315.00	0.46	144.90	2.41		349.20			
	Second floor/terrace	1.00								
	50 mm dia handrail	1.00	70.85	70.85	5.03		356.37			
	50 mm dia bottom	1.00	70.85	70.85	5.03		356.37			
	32 mm dia vertical post	28.00	0.60	16.80	3.10		52.08			
	25 mm dia vertical post	709.00	0.46	326.14	2.41		785.99			
			Total railing for verandah				2500.22	kg		

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Ghodaghodi Municipality

Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Temple and Sita kuwa)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	For sita kuwa	1.00	8.500	8.500	8.500		72.250		
	For bell	1.00	2.500	2.500	0.600		1.500		
			Total Site Clearance Work				73.750	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of column								
	For sita kuwa								
	outer	1.00	24.000	24.000	0.850	0.525	10.710		
	inner 1st	1.00	24.000	24.000	1.000	0.225	5.400		
	For bell	2.00	1.000	2.000	1.000	0.675	1.350		
			Total earthwork in excavation				17.460	Cu.m	
3	Earthback Filling								
	Filling Upto Ground Level						8.730		
			Total Filling Work				8.730	Cu.m	
4	Brick/Boulder Soling								
4.1	Boulder Soling								
	For Footing								
	For sita kuwa								
	outer	1.00	24.000	24.000	0.650	0.150	2.340		
	inner 1st	1.00	24.000	24.000	1.000	0.150	3.600		
	For bell	2.00	0.800	1.600	0.800	0.150	0.192		
			Total stone soling work				6.132	Cu.m	
5	Stonework								
5.1	Stone Masonry Works in 1:6 C/S mortar								Cu.m
	Foundation								
	For sita kuwa								
	outer	1.00	24.000	24.000	0.450	0.300	3.240		
	inner 1st	1.00	24.000	24.000	1.000	0.150	3.600		
	Above ground								
	outer	1.00	24.000	24.000	0.350	0.600	5.040		
			Total 1:6 S/W				11.880	Cu.m	
6	PCC and RCC Work								
6.1	M10 (1:3:6)								
	Foundation								

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DETAIL ESTIMATE (Temple and Sita kuwa)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	For sita kuwa								
	outer	1.00	24.00	24.000	0.650	0.075	1.170		
	inner 1st	1.00	24.00	24.000	1.000	0.075	1.800		
	For bell	2.00	0.80	1.600	0.800	0.075	0.096		
			Total M10 (1:3:6) PCC				3.066	Cu.m	
6.2	M20 (1:1.5:3)								
	Sill band								
	Stone wall sill	1.00	24.000	24.000	0.400	0.075	0.720		
	For bell								
	foundation	2.00	0.600	1.200	0.600	0.300	0.216		
	pillar	2.00	0.200	0.400	0.200	1.800	0.144		
	beam	1.00	1.000	1.000	0.150	0.230	0.034		
	slab	1.00	2.000	2.000	1.200	0.125	0.300		
	For cornices								
	sita kuwa	20.00	0.400	8.000	0.800	0.300	1.920		
			Total RCC work				3.334	Cu.m	
7	FORMWORKS								
	Stone wall sill	1.00	24.000	24.000		0.150	3.600		
	For bell								
	foundation	2.00	2.400	4.800		0.300	1.440		
	pillar	2.00	0.800	1.600		1.800	2.880		
	beam	1.00	1.000	1.000		0.610	0.610		
	slab	1.00	2.200	2.200		1.320	2.904		
	For cornices								
	sita kuwa	20.00	0.400	8.000	1.900		15.200		
			Total formwork				26.634	Sq.m	
8	REINFORCEMENT							Kg	
	Reinforcement(2%)	1.00		3.334			523.438		
			Total reinforcement work				523.438	Kg	
9	FLOORING								
9.1	50 mm screeding and punning								
	roof	1.00	5.300	5.300	5.300		28.090		
			Total 50 mm screeding and punning work				28.090	sq.m	
9.2	Granite								
	sita kuwa								
	Stone wall sill	1.00	24.000	24.000	0.400		9.600		
	temple								
	1st step	1.00	20.800	20.800	0.300		6.240		
	pathway	1.00	12.000	12.000	1.200		14.400		

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DETAIL ESTIMATE (Temple and Sita kuwa)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	skriting	1.00	8.800	8.800	0.300		2.640		
			Total granite work				32.880	sq.m	
9.2	Tile work								
	1st step	1.00	20.800	20.800		0.300	6.240		
	2nd step	1.00	18.000	18.000		0.150	2.700		
			Total tile work				8.940	sq.m	
11	Doors and Windows								
11.1	Door and window Frame								
	Salwood frame of size 100*125mm							Cu.m	
	D1(1000*2100)	1.00	5.20	5.20	0.150	0.15	0.11		
	window (600x600)	2.00	2.40	4.80	0.075	0.10	0.03		
			Total salwood frame work				0.17	Cu.m	
11.3	Panel of ankhi jhyal								
	D1(1000*2100)	1.00	1.00	1.00		2.10	2.10		
	window (600x600)	1.00	0.60	0.60		0.60	0.36		
			Total panel door shutter work				2.46	Sq.m	
11.3	Wooden carved column								
	D1(1000*2100)	1.00	5.20	5.20		0.15	0.78		
			Total panel door shutter work				0.78	Sq.m	
12	PLASTERING WORK								
12.1	20 mm plaster								
	Stone wall sill								
	Stone wall sill	1.00	24.000	24.000		0.150	3.600		
	For bell								
	pillar	2.00	0.800	1.600		1.800	2.880		
	beam	1.00	1.000	1.000		0.610	0.610		
	slab	2.00	2.200	4.400		1.320	5.808		
	temple								
	post	10.00	1.20	12.00		2.40	28.80		
	cornice	20.00	1.60	32.00		1.00	32.00		
	middle band	1.00	8.52	8.52		1.00	8.52		
	roof cornice band	1.00	18.00	18.00		1.00	18.00		
	roof cornice band	1.00	21.20	21.20		1.00	21.20		
	roof	1.00	8.40	8.40		1.30	10.92		
			Total plaster work				132.338	Sq.m	
12	COLOURING /PAINTING WORKS								
12.1	Intenal paint								
	internal wall	1.00	8.80	8.80		2.10	18.48		
			Total internal paint				18.480	Sq.m	
12.1	External paint								
	Total external wall paint		As per external plaster work				132.338		

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DETAIL ESTIMATE (Temple and Sita kuwa)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
			Total weather coat paint				132.338	Sq.m	
12.1	Enamel paint								
	temple external wall	1.00	8.80	8.80		2.30	20.24		
	as per metal								
	Shoe rack								
	frame 32 mm SHS	1.00	25.20	25.20		0.13	3.27		
	flats 3x25 mm	240.00	0.30	72.00		0.05	3.60		
	Light frame								
	frame 32 mm SHS	1.00	35.20	35.20		0.13	4.57		
	patta 5 mm	2.00	5.00	10.00		0.60	6.00		
			Total enamel paint				37.680	Sq.m	
12.1	Chapra polish								
	as per wood		As per per wood				6.820		
			Total chapra polish				6.820	Sq.m	
13	Metal work								
	Shoe rack								
	frame 32 mm SHS	1.00	25.200	25.200		2.690	67.788		
	flats 3x25 mm	240.00	0.300	72.000		0.589	42.408		
	Light frame								
	frame 32 mm SHS	1.00	35.200	35.200		2.690	94.688		
	patta 5 mm	2.00	5.000	10.000	0.300	39.250	117.750		
			Total metal work				212.438	kg	

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Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	For ticket counter	1.00	5.18	5.18	5.18		26.83		
			Total Site Clearance Work				26.83	Sq.m	
2	Earthwork in Excavation								
2.1	Earthwork in Excavation manually							Cu.m	
	Foundation for footing of column								
	F1 (5' x 5')	4.00	1.82	7.28	1.82	1.73	22.92		
	For Foundation Beam								
	Along Grid A-A	1.00	1.52	1.52	0.53	1.68	1.35		
	Along Grid B-B	1.00	1.52	1.52	0.53	1.68	1.35		
	Along Grid 1-1	1.00	1.52	1.52	0.53	1.68	1.35		
	Along Grid 2-2	1.00	1.52	1.52	0.53	1.68	1.35		
	Entry porch staircase	1.00	1.83	1.83	0.76	0.13	0.18		
	Apron	1.00	18.65	18.65	1.00	0.18	3.36		
	drain	1.00	25.41	25.41	0.69	0.48	8.42		
			Total earthwork in excavation				40.28	Cu.m	
3	Earthback Filling								
	Filling Upto Ground Level								
	As per Total excavation						40.28		
	Floor								
	On floor	1.00	10.22			0.22	2.25		
	Deduction for RCC part in footing								
	Rectangular Section								
	F1 (5' x 5')	-4.00	1.52	-6.08	1.52	0.30	-2.77		
	For Foundation Beam								
	Along Grid A-A	-1.00	3.05	-3.05	0.23	0.30	-0.21		
	Along Grid B-B	-1.00	3.05	-3.05	0.23	0.30	-0.21		
	Along Grid 1-1	-1.00	3.05	-3.05	0.23	0.30	-0.21		
	Along Grid 2-2	-1.00	3.05	-3.05	0.23	0.30	-0.21		

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DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Deduction for stone soling portion								
	F1 (5' x 5')	-4.00	1.67	-6.68	1.67	0.15	-1.67		
	For Foundation Beam								
	Along Grid A-A	-1.00	1.52	-1.52	0.43	0.10	-0.07		
	Along Grid B-B	-1.00	1.52	-1.52	0.43	0.10	-0.07		
	Along Grid 1-1	-1.00	1.52	-1.52	0.43	0.10	-0.07		
	Along Grid 2-2	-1.00	1.52	-1.52	0.43	0.10	-0.07		
	Deduction for PCC portion								
	F1 (5' x 5')	-4.00	1.67	-6.68	1.67	0.08	-0.89		
	For Foundation Beam								
	Along Grid A-A	-1.00	1.52	-1.52	0.43	0.08	-0.05		
	Along Grid B-B	-1.00	1.52	-1.52	0.43	0.08	-0.05		
	Along Grid 1-1	-1.00	1.52	-1.52	0.43	0.08	-0.05		
	Along Grid 2-2	-1.00	1.52	-1.52	0.43	0.08	-0.05		
	Deduction for wall								
	Along Grid A-A	-1.00	3.05	-3.05	0.23	0.90	-0.63		
	Along Grid B-B	-1.00	3.05	-3.05	0.23	0.90	-0.63		
	Along Grid 1-1	-1.00	3.05	-3.05	0.23	0.90	-0.63		
	Along Grid 2-2	-1.00	3.05	-3.05	0.23	0.90	-0.63		
	Deduction For Column upto GL								
	C(300 x 300) at footing depth 300mm	-4.00	0.30	-1.20	0.30	1.20	-0.43		
	Total Filling Work						32.93	Cu.m	
4.1	Brick Soling								
	Floor								
	Floor	1.00	10.22				10.22		
	Entry porch staircase	1.00	1.83	1.83	0.76		1.39		
	Total brick soling work						11.61	Sq.m	
4.2	Boulder Soling								
	For Footing of column								
	F1 (5' x 5')	4.00	1.67	6.68	1.67	0.15	1.67		
	For Foundation Beam								
	Along Grid A-A	1.00	1.52	1.52	0.43	0.10	0.07		
	Along Grid B-B	1.00	1.52	1.52	0.43	0.10	0.07		
	Along Grid 1-1	1.00	1.52	1.52	0.43	0.10	0.07		
	Along Grid 2-2	1.00	1.52	1.52	0.43	0.10	0.07		

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DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Apron	1.00	18.65	18.65	1.00	0.10	1.87		
	Drain	1.00	25.41	25.41	0.69	0.10	1.75		
			Total boulder soling work				5.57	Cu.m	
5	Sand Filling								
	Ground Floor								
	Floor	1.00	10.22			0.10	1.02		
			Total Sand Filling Work				1.02	Cu.m	
6	500 MICRON POLYTHENE SHEET								
	Ground Floor								
	Floor	1.00	10.22				10.22		
			Total micron polythene sheet work				10.22	Sq.m	
7	Brickwork								
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m	
	Upto Plinth Level								
	Along Grid A-A	1.00	3.05	3.05	0.23	1.05	0.74		
	Along Grid B-B	1.00	3.05	3.05	0.23	1.05	0.74		
	Along Grid 1-1	1.00	3.05	3.05	0.23	1.05	0.74		
	Along Grid 2-2	1.00	3.05	3.05	0.23	1.05	0.74		
	Entry porch staircase								
	Step I	1.00	1.52	1.52	0.30	0.15	0.07		
	Step II	1.00	1.52	1.52	0.30	0.30	0.14		
			Total 1:6 B/W upto plinth level				3.17	Cu.m	
7.2	Brick Masonry Works in 1:4 C/S mortar upto GF							Cu.m	
	Ground Floor								
	Along Grid A-A	1.00	3.05	3.05	0.23	2.56	1.80		
	Along Grid B-B	1.00	3.05	3.05	0.23	2.56	1.80		
	Along Grid 1-1	1.00	3.05	3.05	0.23	2.56	1.80		
	Along Grid 2-2	1.00	3.05	3.05	0.23	2.56	1.80		
	Deduction for openings								
	Window								
	W1 (5' x 4'6")	-2.00	1.52	-3.04	0.23	1.37	-0.96		
	Door								
	D1(3' x 7')	-1.00	0.91	-0.91	0.23	2.13	-0.45		

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DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	for Drain								
	Two blocks	2.00	25.41	50.82	0.23	0.30	3.51		
			Total 1:4 B/W upto GF				9.30	Cu.m	
7.3	Brick Masonry Works in 1:4 C/S mortar above GF Terrace								
	4" parapet wall								
	Along Grid A-A	1.00	3.05	3.05	0.12	0.50	0.18		
	Along Grid B-B	1.00	3.05	3.05	0.12	0.50	0.18		
	Along Grid 1-1	1.00	3.05	3.05	0.12	0.50	0.18		
	Along Grid 2-2	1.00	3.05	3.05	0.12	0.50	0.18		
	9" Parapet wall	4.00	3.05	12.20	0.23	0.23	0.65		
			Total 1:4 B/W above terrace				1.37	Cu.m	
8	PCC and RCC Work								
8.1	M10 (1:3:6)								
	Foundation								
	For Footing of column								
	F1 (5' x 5')	4.00	1.67	6.68	1.67	0.08	0.89		
	For Foundation Beam								
	Along Grid A-A	1.00	1.52	1.52	0.43	0.08	0.05		
	Along Grid B-B	1.00	1.52	1.52	0.43	0.08	0.05		
	Along Grid 1-1	1.00	1.52	1.52	0.43	0.08	0.05		
	Along Grid 2-2	1.00	1.52	1.52	0.43	0.08	0.05		
	Entry porch staircase	1.00	1.83	1.83	0.76	0.08	0.11		
	Apron	1.00	14.63	14.63	1.00	0.08	1.46		
	Drain	1.00	15.85	15.85	0.69	0.08	1.09		
			Total M10 (1:3:6) PCC				3.75	Cu.m	
8.2	M15 (1:2:4)								
	Ground Floor								
	Floor	1.00	10.22			0.08	0.82		
			Total M15 (1:2:4) PCC				0.82	Cu.m	
8.3	M20 (1:1.5:3)								
8.3.1	For Column footing								
	F1 (5' x 5')	4.00	1.52	6.08	1.52	0.30	2.77		
			Total RCC for footing				2.77	Cu.m	

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DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
8.3.2	Column								
	For Column upto Top Tie Beam								
	C(300 x 300) at footing depth 300mm	4.00	0.30	1.20	0.30	1.65	0.59		
	For Column above plinth								
	C(300 x 300) upto roof level	4.00	0.30	1.20	0.30	2.90	1.04		
			Total RCC for column				1.63	Cu.m	
8.3.3.	Beam								
8.3.3.1	For Foundation Beam								
	Along Grid A-A	1.00	3.05	3.05	0.23	0.30	0.21		
	Along Grid B-B	1.00	3.05	3.05	0.23	0.30	0.21		
	Along Grid 1-1	1.00	3.05	3.05	0.23	0.30	0.21		
	Along Grid 2-2	1.00	3.05	3.05	0.23	0.30	0.21		
							0.84	Cu.m	
8.3.3.2	For Top Tie Beam								
	Along Grid A-A	1.00	3.05	3.05	0.23	0.30	0.21		
	Along Grid B-B	1.00	3.05	3.05	0.23	0.30	0.21		
	Along Grid 1-1	1.00	3.05	3.05	0.23	0.30	0.21		
	Along Grid 2-2	1.00	3.05	3.05	0.23	0.30	0.21		
							0.84	Cu.m	
8.3.3.3	For terrace floor beam								
	Along Grid A-A	1.00	3.05	3.05	0.23	0.30	0.21		
	Along Grid B-B	1.00	3.05	3.05	0.23	0.30	0.21		
	Along Grid 1-1	1.00	3.05	3.05	0.23	0.30	0.21		
	Along Grid 2-2	1.00	3.05	3.05	0.23	0.30	0.21		
							0.84	Cu.m	
			Total RCC for beam				2.52	Cu.m	
8.3.4	Slab								
	Roof slab								
	Entire blocks slab	1.00	30.11			0.13	3.91		
							3.91	Cu.m	
	Slanted roof slab								
	Longer slab	2.00	7.00			0.13	1.82		
							1.82	Cu.m	
	Slanted roof slab								
	shorter slab	2.00	4.24			0.13	1.10		
							1.10	Cu.m	

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DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
			Total RCC for slab				6.83	Cu.m	
8.3.7	Sill band								
8.3.7.1	Ground Floor								
	Along Grid A-A	1.00	3.05	3.05	0.23	0.08	0.06		
	Along Grid B-B	1.00	3.05	3.05	0.23	0.08	0.06		
	Along Grid 1-1	1.00	3.05	3.05	0.23	0.08	0.06		
	Along Grid 2-2	1.00	3.05	3.05	0.23	0.08	0.06		
	Deductions for door								
	D1(3' x 7')	-1.00	0.91	-0.91	0.23	0.08	-0.02		
							0.22		
8.3.7.2	Terrace								
	Along Grid A-A	1.00	3.35	3.35	0.20	0.08	0.05		
	Along Grid B-B	1.00	3.35	3.35	0.20	0.08	0.05		
	Along Grid 1-1	1.00	3.66	3.66	0.20	0.08	0.06		
	Along Grid 2-2	1.00	3.66	3.66	0.20	0.08	0.06		
							0.22	Cu.m	
							0.44	Cu.m	
8.3.8	Lintel band								
8.3.8.1	Ground Floor								
	Along Grid A-A	1.00	3.05	3.05	0.23	0.13	0.09		
	Along Grid B-B	1.00	3.05	3.05	0.23	0.13	0.09		
	Along Grid 1-1	1.00	3.05	3.05	0.23	0.13	0.09		
	Along Grid 2-2	1.00	3.05	3.05	0.23	0.13	0.09		
							0.36	Cu.m	
							0.36	Cu.m	
							14.55	Cu.m	
9	FORmWORKS								
9.1	For Column								
	For Column upto Top Tie Beam								
	C(300 x 300) at footing depth 300mm	4.00	1.20	4.80		1.65	7.92		

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DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	For Column above plinth								
	C(300 x 300) upto roof level	4.00	1.20	4.80		2.90	13.92		
			Total foRmwork for column				21.84	Sq.m	
9.2	For Beam								
	For Foundation Beam								
	Along Grid A-A	2.00	3.05	6.10		0.30	1.83		
	Along Grid B-B	2.00	3.05	6.10		0.30	1.83		
	Along Grid 1-1	2.00	3.05	6.10		0.30	1.83		
	Along Grid 2-2	2.00	3.05	6.10		0.30	1.83		
							7.32	Sq.m	
	For Top Tie Beam								
	Along Grid A-A	2.00	3.05	6.10		0.30	1.83		
	Along Grid B-B	2.00	3.05	6.10		0.30	1.83		
	Along Grid 1-1	2.00	3.05	6.10		0.30	1.83		
	Along Grid 2-2	2.00	3.05	6.10		0.30	1.83		
							7.32	Sq.m	
	For terrace floor beam								
	Along Grid A-A	1.00	3.05	3.05	0.58		1.77		
	Along Grid B-B	1.00	3.05	3.05	0.58		1.77		
	Along Grid 1-1	1.00	3.05	3.05	0.58		1.77		
	Along Grid 2-2	1.00	3.05	3.05	0.58		1.77		
							7.08	Sq.m	
			Total foRmwork for beam				21.72	Sq.m	
9.3	For Footing,slab,sill,lintel etc								
9.3.1.	For Footing								
	Sides For PCC Column footing								
	F1 (5' x 5')	4.00	6.68	26.72		0.08	2.14		
	Sides For Column footing								
	F1 (5' x 5')	4.00	6.08	24.32		0.30	7.30		
							9.44	Sq.m	
			Total foRmwork for footing				9.44	Sq.m	
9.3.2.	For PCC								
	Sides for PCC work below foundation beam								
	Along Grid A-A	1.00	1.52	1.52		0.16	0.24		
	Along Grid B-B	1.00	1.52	1.52		0.16	0.24		
	Along Grid 1-1	1.00	1.52	1.52		0.16	0.24		

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DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Along Grid 2-2	1.00	1.52	1.52		0.16	0.24		
	Entry porch staircase	1.00	1.83	1.83		0.16	0.29		
			Total foRmwork for PCC below foundation beam				1.25	Sq.m	
9.3.4	Slab								
	terrace floor	1.00	36.13				36.13		
	Terrace	1.00	13.49				13.49		
			Total foRmwork for slab				49.62	Sq.m	
9.3.7	Sill band								
	Ground Floor								
	Along Grid B-B	1.00	3.05	3.05		0.15	0.46		
	Along Grid 2-2	1.00	3.05	3.05		0.15	0.46		
	Along Grid A-A	1.00	3.05	3.05		0.15	0.46		
	Along Grid 1-1	1.00	3.05	3.05		0.15	0.46		
							1.84	Sq.m	
	Terrace								
	Along Grid A-A	1.00	3.35	3.35		0.15	0.50		
	Along Grid B-B	1.00	3.35	3.35		0.15	0.50		
	Along Grid 1-1	1.00	3.66	3.66		0.15	0.55		
	Along Grid 2-2	1.00	3.66	3.66		0.15	0.55		
							2.10	Sq.m	
			Total foRmwork for Sill band				3.94	Sq.m	
9.3.8	Lintel band								
	Ground Floor								
	Along Grid A-A	1.00	3.05	3.05		0.25	0.76		
	Along Grid B-B	1.00	3.05	3.05		0.25	0.76		
	Along Grid 1-1	1.00	3.05	3.05		0.25	0.76		
	Along Grid 2-2	1.00	3.05	3.05		0.25	0.76		
							3.04	Sq.m	
			Total RCC for Lintel band				3.04	Sq.m	
	formwork for drain	1.00	25.41	25.41		0.08	2.03		
			Total foRmwork for slab,sill,lintel				69.32	Sq.m	
			Total foRmwork				112.88	Sq.m	

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DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
10	REINFORCEMENT								
	Reinforcement(1.5%)	1.50		14.55			1713.26		
							1713.26	Kg	
11	Flooring & Finishing Work								
11.1	38mm thick P.C.C. in (1:2:4) with cement punning (1:1) for flooring work.							Sq.m	
	apron	1.00		18.65			18.65		
							18.65	Sq.m	
11.2	50mm thick P.C.C. in (1:2:4) with cement punning (1:1) for flooring work.							Sq.m	
	Terrace	1.00		41.35			41.35		
							41.35	Sq.m	
11.3	CEMENT PUNNING							Sq.m	
	Entry porch staircase								
	tread	2.00	1.52	3.04		0.30	0.91		
	riser	2.00	1.52	3.04		0.15	0.46		
	side face	2.00	0.61	1.22		0.23	0.28		
	drain	1.00	25.41	25.41		1.29	32.78		
							34.43	Sq.m	
11.1	Tile work								
	Ground Floor	1.00		11.75			11.75		
							11.75	Sq.m	
11.8	Waterproofing								
	Terrace	1.00		49.62			49.62		
							49.62	Sq.m	
12	PLASTERING & PUNNING WORKS							Sq.m	
12.1	12.5mm thick cement plaster in (1:3) in ceiling etc								
	Ground floor	1.00		30.11			30.11		
							30.11	Sq.m	
12.2	12.5mm thick cement plaster in (1:4) in Internal Wall etc							Sq.m	

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DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
12.2.1	Ground Floor								
	Room 1	1.00	12.20	12.20		2.74	33.43		
	Kopla for opening								
	Window								
	W1 (5' x 4'6")	2.00	5.78	11.56	0.23		2.66		
	Door								
	D1(3' x 7')	1.00	5.17	5.17	0.23		1.19		
	Deduction for openings								
	Window								
	W1 (5' x 4'6")	-2.00	1.52	-3.04		1.37	-4.16		
	Door								
	D1(3' x 7')	-1.00	0.91	-0.91		2.13	-1.94		
			Total 1:4 inner plaster				31.18	Sq.m	
12.3	12.5 mm thick cement plaster in (1:4) in External Wall etc Upto Plinth Level							Sq.m	
	Around Building	1.00	14.63	14.63		0.45	6.58		
	Ground Floor								
	Around Building	1.00	14.63	14.63		2.90	42.43		
	Deduction for openings			0.00					
	W1 (5' x 4'6")	-2.00	1.52	-3.04		1.37	-4.16		
	D1(3' x 7')	-1.00	0.91	-0.91		2.13	-1.94		
	Terracae								
	Parapet wall	2.00	14.63	29.26		0.99	28.97		
	parapet wall top	1.00	14.63	14.63		0.23	3.36		
	Cement skirting								
	parapet sill	1.00	12.20	12.20		0.15	1.83		
			Total 1:4 external plaster				77.07	Sq.m	
12.3	20mm thick cement plaster in (1:4) in External Wall etc Upto Plinth Level							Sq.m	
	Entry porch staircase								
	tread	2.00	1.52	3.04		0.30	0.91		
	riser	2.00	1.52	3.04		0.15	0.46		
	side face	2.00	0.61	1.22		0.23	0.28		
	for drain	1.00	25.41	25.41		1.29	32.78		

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DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
			Total 1:4 external plaster				34.43	Sq.m	
12.4	3/4" Panipatti								
	Around the building								
	terrace slab projection	1.00	21.95	21.95			21.95		
	parapet sill	1.00	14.63	14.63			14.63		
			Total 3/4" Panipatti				36.58	R.m	
13	Doors and Windows								
13.1	Aluminium door								
	Ground Floor								
	D1 (3' x 7')	1.00	0.91	0.91		2.13	1.94		
			Total Aluminium door work				1.94	Sq.m	
13.3	Aluminium window								
	Ground Floor								
	W1 (5' x 4'6")	2.00	1.52	3.04		1.37	4.16		
			Total Aluminium Window shutter				4.16	Sq.m	
13.40	GRILL WORK								
	Ground Floor								
	W1 (5' x 4'6")	2.00	1.52	3.04		1.37	4.16		
			Total Grill work				4.16	Sq.m	
14	COLOURING /PAINTING WORKS								
14.2	INTERIOR EMULSION PAINT								
	Total internal wall paint						31.18		
	Total internal ceiling paint						30.11		
			Total emulsion paint				61.29	Sq.m	
14.3	EXTERIOR WEATHERCOAT PAINT								
	Total external wall paint						77.07		
			Total weather coat paint				77.07	Sq.m	
14.4	ENAMEL PAINT								
	Grill work						4.16	Sq.m	
			Total enamel paint				4.16	Sq.m	

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DETAIL ESTIMATE of Ticket counter

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			

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Ghodaghodi Municipality

Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Gazebo)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	For building	1.0	5.00	5.00	5.00	25.00			
			Total Site Clearance Work				25.00	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of column								
	Post	8.0	0.80	6.40	0.80	0.83	4.24		
	For Foundation Beam								
	TL	1.0	15.25	15.25	0.40	0.53	3.23		
			Total earthwork in excavation				7.47	Cu.m	
3	Earthback Filling								
	Total excavation	1.0	7.47				7.47		1 nos
	Deduction								
	Soling	-1.0	1.71				-1.71		
	PCC 1:3:6	-1.0	1.20				-1.20		
			Total Filling Work				4.56	Cu.m	
4	Brick/Boulder Soling								
4.1	Brick Soling							Sq.m	
	Floor								
	Room	1.0	14.80				14.80		
			Total brick soling work				14.80	Sq.m	
4.2	Boulder Soling								
	Below Foundation of wall								
	Post	8.0	0.80	6.40	0.80	0.15	0.76		
	TL	1.0	15.85	15.85	0.40	0.15	0.95		
			Total stone soling work				1.71	Cu.m	
7	Brickwork								
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m	
	Upto Plinth Level								
	TL	1.0	15.85	15.85	0.40	0.30	1.90		

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DETAIL ESTIMATE (Gazebo)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	around the gazebo	1.0	14.20	14.20	0.12	1.00	1.70		
	sitting support	1.0	11.20	11.20	0.12	0.40	0.53		
			Total 1:6 B/W upto plinth level				4.13	Cu.m	
8	PCC and RCC Work								
8.1	M10 (1:3:6)								
	Below Foundation wall								
	Post	9.0	0.80	7.20	0.80	0.10	0.57		
	TL	1.0	15.85	15.85	0.40	0.10	0.63		
			Total M10 (1:3:6) PCC				1.20	Cu.m	
8.2	M15 (1:2:4)								
	Floor								
	Room	1.0	14.80				14.80		
	Post	8.0	0.30	2.40	0.30	0.30	0.21		
			Total M15 (1:2:4) PCC				15.01	Cu.m	
8.3	M20 (1:1.5:3)								
	post foundation	9.00	0.60	5.40	0.60	0.30	0.97		
	post pedestal	9.00	0.30	2.70	0.30	0.60	0.48		
	Beam								
	TL	1.0	15.85	15.85	0.23	0.15	0.54		
	lintel band on wall	1.0	14.20	14.20	0.12	0.08	0.13		
			Total RCC work				2.12	Cu.m	
9	FORMWORKS								
	post foundation	9.00	2.40	21.60		0.30	6.48		
	post pedestal	9.00	1.20	10.80		0.60	6.48		
	Beam								
	TL	2.0	15.85	31.70		0.15	4.75		
							17.71	Sq.m	
	For PCC								
	Sides for PCC work below foundation beam								
	TL	1.0	15.85	15.85		0.15	2.37		
			Total formwork for PCC				2.37	Sq.m	
			Total formwork				20.08	Sq.m	
10	REINFORCEMENT							Kg	
	Reinforcement(1.5%)	1.5	2.12				249.63		
			Total reinforcement work				249.63	Kg	
11	Flooring & Finishing Work								

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DETAIL ESTIMATE (Gazebo)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
11.1	50 mm thick P.C.C. in (1:2:4) with cement punning (1:1) for roof treatment work.							Sq.m	
	Room	1.0	14.80			14.80			
			Total 50 mm PCC with punning work			14.80	Sqm		
12	PLASTERING WORKS								
12.1	12.5mm thick cement plaster in (1:4) in External Wall etc							Sq.m	
	Upto Plinth level								
	TL	1.0	14.2	14.20		0.30	4.26		
	around the gazebo	1.0	14.2	14.20		1.27	18.03		
	wall inside	1.0	11.2	11.20		0.45	5.04		
			Total 1:4 external plaster			27.33	Sq.m		
13	COLOURING /PAINTING WORKS								
13.1	EXTERIOR WEATHERCOAT PAINT								
	Total external wall paint		As per inner plaster work			27.33			
			Total weather coat paint			27.33	Sq.m		
14	ROOFING WORK								
14.1	UPVC sheet							Sq.m	
	Roof cover	1.0	28.94			28.94			
			Total UPVC sheet			28.94	Sq.m		
14.2	UPVC ridge cover							Rm	
	Roof cover	8.0	3.00	24.00		24.00			
			Total ridge cover			24.00	Rm		
15	ROOF TRUSS								
	Ground Floor (Roof cover)								
	4" Post	9.0	3.15	28.35	14.40	408.24			
	Truss	1.0	347.28			347.28			
			Total MS pipe for roof truss			755.52	Kg		

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Government of Nepal

Ghodaghodi Municipality

Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Guard House)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	For main building	1.00	8.00	8.00	6.00		48.00		
			Total Site Clearance Work				48.00	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of column								
	F1	4.00	1.70	6.80	1.70	1.73	20.00		
	For Foundation Beam								
	Along Grid A-A	1.00	3.30	3.30	0.43	1.38	1.96		
	Along Grid B-B	1.00	3.30	3.30	0.43	1.38	1.96		
	Along Grid 1-1	1.00	1.30	1.30	0.43	1.38	0.77		
	Along Grid 2-2	1.00	1.30	1.30	0.43	1.38	0.77		
	Drain Around Building	1.00	11.00	11.00	0.69	0.46	3.49		
	Apron	1.00	11.00	11.00	0.67	0.23	1.70		
	Entry porch staircase	1.00	1.41	1.41	0.30	0.23	0.10		
			Total earthwork in excavation				30.75	Cu.m	
3	Earthback Filling								
	Filling Upto Ground Level								
	For Footing of column								
	F1	4.00	1.40	5.60	1.40	1.73	13.56		
	Foundation of beam and wall								
	Along Grid A-A	1.00	3.30	3.30	0.43	1.38	1.96		
	Along Grid B-B	1.00	3.30	3.30	0.43	1.38	1.96		
	Along Grid 1-1	1.00	1.30	1.30	0.43	1.38	0.77		
	Along Grid 2-2	1.00	1.30	1.30	0.43	1.38	0.77		
	Filling in floor								
	Guard room and toilet	1.00	4.77	4.77	2.77	0.02	0.26		
	Deduction for RCC part in footing								
	Rectangular Section								
	F1	-4.00	1.50	-6.00	1.50	0.18	-1.62		
		-4.00	1.50	-6.00	0.50	0.18	-0.88		
	Deduction for soling portion								
	For Footing of column								
	F1	-4.00	1.70	-6.80	1.70	0.15	-1.73		

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Below Foundation beam								
	Along Grid A-A	-1.00	3.30	-3.30	0.43	0.15	-0.21		
	Along Grid B-B	-1.00	3.30	-3.30	0.43	0.15	-0.21		
	Along Grid 1-1	-1.00	1.30	-1.30	0.43	0.15	-0.08		
	Along Grid 2-2	-1.00	1.30	-1.30	0.43	0.15	-0.08		
	Deduction for PCC portion For Footing of column								
	F1	-4.00	1.70	-6.80	1.70	0.08	-0.92		
	Below Foundation beam								
	Along Grid A-A	-1.00	3.30	-3.30	0.43	0.08	-0.11		
	Along Grid B-B	-1.00	3.30	-3.30	0.43	0.08	-0.11		
	Along Grid 1-1	-1.00	1.30	-1.30	0.43	0.08	-0.04		
	Along Grid 2-2	-1.00	1.30	-1.30	0.43	0.08	-0.04		
	Deduction for wall Below foundation beam								
	Along Grid A-A	-1.00	4.70	-4.70	0.23	1.15	-1.24		
	Along Grid B-B	-1.00	4.70	-4.70	0.23	1.15	-1.24		
	Along Grid 1-1	-1.00	2.70	-2.70	0.23	1.15	-0.71		
	Along Grid 2-2	-1.00	2.70	-2.70	0.23	1.15	-0.71		
	Deduction For Column upto GL								
	C(300*300)	-21.00	0.30	-6.30	0.30	1.15	-2.17		
			Total Filling Work				7.18	Cu.m	
4	Brick/Boulder Soling								
4.1	Brick Soling							Sq.m	
	Floor								
	Guard room and toilet	1.00	4.77	4.77	2.77		13.21		
			Total brick soling work				13.21	Sq.m	
4.2	Boulder Soling								
	For Footing of column								
	F1	4.00	1.70	6.80	1.70	0.15	1.73		
	Below Foundation beam								
	Along Grid A-A	1.00	3.30	3.30	0.43	0.15	0.21		
	Along Grid B-B	1.00	3.30	3.30	0.43	0.15	0.21		
	Along Grid 1-1	1.00	1.30	1.30	0.43	0.15	0.08		
	Along Grid 2-2	1.00	1.30	1.30	0.43	0.15	0.08		
	Foundation								
	Entry porch staircase	1.00	1.40	1.40	0.30	0.15	0.06		
	Drain Around Building	1.00	11.00	11.00	0.69	0.15	1.14		
	Apron	1.00	11.00	11.00	0.67	0.15	1.11		
			Total stone soling work				4.62	Cu.m	
4	Sand filling								
	Floor								

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	room	1.00	4.77	4.77	2.77	0.10	1.32		
			Total brick soling work				1.32	Cu.m	
4	500 mm micron polythene sheet								
	Floor								
	Guard room and toilet	1.00	4.77	4.77	2.77		13.21		
			Total polythene sheet				13.21	Sq.m	
7	Brickwork								
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m	
	Below foundation beam								
	Along Grid A-A	1.00	4.70	4.70	0.23	0.70	0.76		
	Along Grid B-B	1.00	4.70	4.70	0.23	0.70	0.76		
	Along Grid 1-1	1.00	2.70	2.70	0.23	0.70	0.43		
	Along Grid 2-2	1.00	2.70	2.70	0.23	0.70	0.43		
	Entry porch staircase								
	Step I	1.00	1.40	1.40	0.30	0.15	0.06		
	Drain Around Building	2.00	11.00	22.00	0.23	0.23	1.16		
	Ground Floor								
	9" wall								
	Along Grid A-A	1.00	4.70	4.70	0.23	2.65	2.86		
	Along Grid B-B	1.00	3.32	3.32	0.23	2.65	2.02		
	Along Grid 1-1	1.00	1.82	1.82	0.23	2.65	1.11		
	Along Grid 2-2	1.00	2.70	2.70	0.23	2.65	1.65		
	Deduction for openings								
	W1(1500*1200)	-1.00	1.50	-1.50	0.23	1.20	-0.41		
	W2(2680*1200)	-1.00	2.68	-2.68	0.23	1.20	-0.74		
	V(600*600)	-1.00	0.60	-0.60	0.23	0.60	-0.08		
			Total 1:6 B/W upto plinth level				10.01	Cu.m	
7.2	Brick Masonry Works in 1:4 C/S mortar							Cu.m	
	4" wall								
	Ground Floor								
	Partition wall	1.00	3.97	3.97	0.12	2.85	1.36		
	Deduction for openings								
	D1(750*2100)	-1.00	0.75	-0.75	0.12	2.10	-0.19		
	D2(900*2100)	-1.00	0.90	-0.90	0.12	2.10	-0.23		
			Total 1:4 B/W above plinth level				0.94	Cu.m	
7.3	Brick Masonry Works in 1:4 C/S mortar above GF							Cu.m	
	Roof								
	Parapet wall	1.00	15.54	15.54	0.12	0.76	1.42		

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			Length	T.Length	Breadth	Height			
			Total 1:4 B/W above GF				1.42	Cu.m	
8	PCC and RCC Work								
8.1	M10 (1:3:6)								
	Foundation								
	For Footing of column								
	F1	4.00	1.70	6.80	1.70	0.08	0.92		
	For Foundation Beam								
	Along Grid A-A	1.00	3.30	3.30	0.43	0.08	0.11		
	Along Grid B-B	1.00	3.30	3.30	0.43	0.08	0.11		
	Along Grid 1-1	1.00	1.30	1.30	0.43	0.08	0.04		
	Along Grid 2-2	1.00	1.30	1.30	0.43	0.08	0.04		
	Entry porch staircase	1.00	1.40	1.40	0.30	0.08	0.03		
	Drain Around Building	1.00	11.00	11.00	0.69	0.08	0.61		
	Apron	1.00	11.00	11.00	0.67	0.08	0.59		
			Total M10 (1:3:6) PCC				2.45	Cu.m	
8.2	M15 (1:2:4)								
	Floors								
	Guard room and toilet	1.00	4.77	4.77	2.77	0.08	1.06		
			Total M15 (1:2:4) PCC				1.06	Cu.m	
8.3	M20 (1:1.5:3)								
	For Column footing								
	Rectangular Section								
	F1	4.00	1.50	6.00	1.50	0.18	1.62		
		4.00	1.50	6.00	0.50	0.18	0.88		
			Total RCC for footing				2.50	Cu.m	
	Column								
	For Column upto Top Tie Beam								
	Column(300*300)	4.00	0.30	1.20	0.30	1.30	0.47		
	Ground Floor								
	Column(300*300)	4.00	0.30	1.20	0.30	3.00	1.08		
			Total RCC for column				1.55	Cu.m	
	Beam								
	For Foundation Beam								
	Along Grid A-A	1.00	4.70	4.70	0.23	0.30	0.32		
	Along Grid B-B	1.00	4.70	4.70	0.23	0.30	0.32		
	Along Grid 1-1	1.00	2.70	2.70	0.23	0.30	0.19		
	Along Grid 2-2	1.00	2.70	2.70	0.23	0.30	0.19		
							1.02	Cu.m	

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			Length	T.Length	Breadth	Height			
	For Top Tie Beam								
	Along Grid A-A	1.00	4.70	4.70	0.23	0.30	0.32		
	Along Grid B-B	1.00	4.70	4.70	0.23	0.30	0.32		
	Along Grid 1-1	1.00	2.70	2.70	0.23	0.30	0.19		
	Along Grid 2-2	1.00	2.70	2.70	0.23	0.30	0.19		
							1.02	Cu.m	
	Main Beam								
	Along Grid A-A	1.00	4.70	4.70	0.23	0.20	0.22		
	Along Grid B-B	1.00	4.70	4.70	0.23	0.20	0.22		
	Along Grid 1-1	1.00	2.70	2.70	0.23	0.20	0.12		
	Along Grid 2-2	1.00	2.70	2.70	0.23	0.20	0.12		
							0.68	Cu.m	
			Total RCC for beam				2.72	Cu.m	
	Slab								
	Entire slab	1.00	6.20	6.20	4.20	0.15	3.91		
							3.91	Cu.m	
	Sill band								
	Ground Floor								
	9" wall								
	Along Grid A-A	1.00	4.70	4.70	0.23	0.08	0.09		
	Along Grid B-B	1.00	3.32	3.32	0.23	0.08	0.06		
	Along Grid 1-1	1.00	1.82	1.82	0.23	0.08	0.03		
	Along Grid 2-2	1.00	2.70	2.70	0.23	0.08	0.05		
	4" wall								
	Partition wall	1.00	3.97	3.97	0.12	0.08	0.04		
	Deduction for openings								
	D1(750*2100)	-1.00	0.75	-0.75	0.12	0.08	-0.01		
	D2(900*2100)	-1.00	0.90	-0.90	0.12	0.08	-0.01		
	Roof								
	4" wall								
	Parapet wall	1.00	15.54	15.54	0.12	0.08	0.15		
							0.40	Cu.m	
	Lintel band								
	Ground Floor								
	9" wall								
	Along Grid A-A	1.00	4.70	4.70	0.23	0.08	0.09		
	Along Grid B-B	1.00	3.32	3.32	0.23	0.08	0.06		

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Along Grid 1-1	1.00	1.82	1.82	0.23	0.08	0.03		
	Along Grid 2-2	1.00	2.70	2.70	0.23	0.08	0.05		
	4" wall								
	Partition wall	1.00	3.97	3.97	0.12	0.08	0.04		
			Total RCC for lintel band				0.27	Cu.m	
			Total RCC work				11.35	Cu.m	
9	FORMWORKS								
	For column								
	For Column upto Top Tie Beam								
	Column(300*300)	4.00	1.20	4.80		1.30	6.24		
	Ground Floor								
	Column(300*300)	4.00	1.20	4.80		2.88	13.82		
			Total formwork for column				20.06	Sq.m	
	For Beam								
	For Foundation Beam								
	Along Grid A-A	2.00	4.70	9.40		0.30	2.82		
	Along Grid B-B	2.00	4.70	9.40		0.30	2.82		
	Along Grid 1-1	2.00	2.70	5.40		0.30	1.62		
	Along Grid 2-2	2.00	2.70	5.40		0.30	1.62		
							8.88	Sq.m	
	For Top Tie Beam								
	Along Grid A-A	2.00	4.70	9.40		0.30	2.82		
	Along Grid B-B	2.00	4.70	9.40		0.30	2.82		
	Along Grid 1-1	2.00	2.70	5.40		0.30	1.62		
	Along Grid 2-2	2.00	2.70	5.40		0.30	1.62		
							8.88	Sq.m	
	Main Beam								
	Along Grid A-A	2.00	4.70	9.40		0.20	1.88		
	Along Grid B-B	2.00	4.70	9.40		0.20	1.88		
	Along Grid 1-1	2.00	2.70	5.40		0.20	1.08		
	Along Grid 2-2	2.00	2.70	5.40		0.20	1.08		
							5.92	Sq.m	
			Total formwork for beam				23.68	Sq.m	
	Slab								
	Entire slab	1.00	6.20	6.20	4.20		26.04		
	Sides	1.00	20.80	20.80		0.15	3.12		
			Total formwork for slab				29.16	Sq.m	

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S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	For Footing								
	Sides For PCC in Column footing								
	F1	4.00	6.80	27.20		0.08	2.18		
	Sides For Column footing								
	F1	4.00	6.00	24.00		0.18	4.32		
			Total formwork for footing				6.50	Sq.m	
	For PCC								
	Sides for PCC work below foundation beam								
	Along Grid A-A	1.00	3.30	3.30		0.15	0.50		
	Along Grid B-B	1.00	3.30	3.30		0.15	0.50		
	Along Grid 1-1	1.00	1.30	1.30		0.15	0.20		
	Along Grid 2-2	1.00	1.30	1.30		0.15	0.20		
	Drain Around Building	1.00	11.00	11.00		0.15	1.65		
			Total formwork for PCC				3.05	Sq.m	
	For Sill band								
	Ground Floor								
	Along Grid A-A	1.00	4.70	4.70		0.15	0.71		
	Along Grid B-B	1.00	3.32	3.32		0.15	0.50		
	Along Grid 1-1	1.00	1.82	1.82		0.15	0.27		
	Along Grid 2-2	1.00	2.70	2.70		0.15	0.41		
	4" wall								
	Partition wall	1.00	3.97	3.97		0.15	0.60		
	Deduction for openings								
	D1(750*2100)	-1.00	0.75	-0.75		0.15	-0.11		
	D2(900*2100)	-1.00	0.90	-0.90		0.15	-0.14		
	Roof								
	4" wall								
	Parapet wall	1.00	15.54	15.54		0.15	2.33		
			Total formwork for sill band				4.57	Sq.m	
	For Lintel band								
	Ground Floor								
	Along Grid A-A	1.00	4.70	4.70		0.30	1.41		
	Along Grid B-B	1.00	3.32	3.32		0.30	1.00		
	Along Grid 1-1	1.00	1.82	1.82		0.30	0.55		
	Along Grid 2-2	1.00	2.70	2.70		0.30	0.81		
	4" wall								

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			Length	T.Length	Breadth	Height			
	Partition wall	1.00	3.97	3.97		0.15	0.60		
			Total formwork for lintel band				4.37	Sq.m	
			Total formwork				91.39	Sq.m	
10	REINFORCEMENT							Kg	
	Reinforcement(1.5%)	1.50	11.35				1336.46		
			Total reinforcement work				1336.46	Kg	
11	Flooring & Finishing Work								
11.1	38mm thick P.C.C. in (1:2:4) with cement punning (1:1) for flooring work.							Sq.m	
	Ground Floor								
	Guard room	1.00	3.00	3.00	2.54		7.62		
	Passage	1.00	1.66	1.66	1.16		1.93		
	Outer entrance steps								
	Tread	1.00	1.40	1.40	0.30		0.42		
			Total PCC with punning work				9.97	Sq.m	
11.2	50mm thick P.C.C. in (1:2:4) with cement punning (1:1) for flooring work.							Sq.m	
	Roof								
	Terrace	1.00	4.77	4.77	2.77		13.21		
	Projected ceiling	1.00	18.40	18.40	0.60		11.04		
			Total PCC with punning work				24.25	Sq.m	
11.3	CEMENT PUNNING							Sq.m	
	Ground Floor								
	Outer entrance steps								
	Riser	2.00	1.40	2.80		0.15	0.42		
	Drain Around Building	1.00	11.00	11.00	1.15		12.65		
	Apron	1.00	11.00	11.00	0.67		7.37		
			Total punning work				20.44	Sq.m	
11.4	Providing and Laying 6mm.th.porcelain glazed/non glazed tiles on walls and floor.							Sqm	
11.4.1	On walls								
	Ground Floor								
	Inner toilet	1.00	5.86	5.86		1.20	7.03		
	Deduction for openings								
	D1(750*2100)	-1.00	0.75	-0.75		1.20	-0.90		
			Total tile on wall				6.13	Sq.m	
11.4.2	On Floor								

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			Length	T.Length	Breadth	Height			
	Ground Floor								
	Inner toilet	1.00	1.50	1.50	1.43	2.14			
			Total tile on floor				2.14	Sq.m	
11.4.2	Waterproofing								
	Toilet floor	1.00	1.50	1.50	1.43	2.14			
	toilet wall	1.00	5.86	5.86	0.60	3.51			
			Total waterproofing				5.65	Sq.m	
12	PLASTERING & PUNNING WORKS								
12.1	12.5mm thick cement plaster in (1:3) in ceiling etc							Sq.m	
	Ground Floor								
	Guard room	1.00	3.00	3.00	2.54	7.62			
	Toilet	1.00	1.50	1.50	1.43	2.15			
	Passage	1.00	1.66	1.66	1.16	1.93			
	Projected ceiling	1.00	18.40	18.40	0.60	11.04			
	Sides	1.00	20.80	20.80	0.15	3.12			
			Total 1:4 inner plaster				25.86	Sq.m	
12.2	12.5mm thick cement plaster in (1:4) in Internal Wall etc							Sq.m	
	Ground Floor								
	Guard room	1.00	11.08	11.08	3.00	33.24			
	Toilet	1.00	5.86	5.86	4.00	23.44			
	Sides for openings								
	W1(1500*1200)	-1.00	5.40	-5.40	0.23	-1.24			
	W1(2680*1200)	0.00	7.76	0.00	0.23	0.00			
	V(600*600)	-1.00	2.40	-2.40	0.23	-0.55			
	D1(750*2100)	-1.00	4.95	-4.95	0.12	-0.59			
	D2(900*2100)	-1.00	5.10	-5.10	0.12	-0.61			
	Deduction for openings								
	W1(1500*1200)	-1.00	1.50	-1.50	1.20	1.80			
	W2(2680*1200)	-1.00	2.68	-2.68	1.20	3.22			
	V(600*600)	-1.00	0.60	-0.60	0.60	0.36			
	D1(750*2100)	-1.00	0.75	-0.75	2.10	1.58			
	D2(900*2100)	-1.00	0.90	-0.90	2.10	1.89			
			Total 1:4 inner plaster				62.54	Sq.m	
12.3	12.5mm thick cement plaster in (1:4) in External Wall etc							Sq.m	
	Upto Plinth Level								
	Around Building	1.00	16.00	16.00	0.30	4.80			
						4.80	Sq.m		
	Ground Floor								

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			Length	T.Length	Breadth	Height			
	Around Building	1.00	16.00	16.00		3.00	48.00		
	Deduction for openings								
	W1(1500*1200)	-1.00	1.50	-1.50		1.20	1.80		
	W2(2680*1200)	-1.00	2.68	-2.68		1.20	3.22		
	V(600*600)	-1.00	0.60	-0.60		0.60	0.36		
	D1(750*2100)	-1.00	0.75	-0.75		2.10	1.58		
	D2(900*2100)	-1.00	0.90	-0.90		2.10	1.89		
							56.85	Sq.m	
	Roof								
	Parapet wall	1.00	15.54	15.54		1.85	28.75		
							28.75	Sq.m	
			Total 1:4 external plaster					90.40	Sq.m
12.4	20mm thick cement sand plaster(1:4) on floor of good finish including racking of joints,wetting the surface and curing the work all complete.							Sq.m	
	Ground Floor								
	Outer entrance steps								
	Riser	2.00	1.40	2.80		0.15	0.42		
	Drain Around Building	1.00	11.00	11.00	1.15		12.65		
	Apron	1.00	11.00	11.00	0.67		7.37		
			Total 1:4 floor plaster					20.02	Sq.m
14	DOORS AND WINDOWS								
14.2	Aluminium door							Sq.m	
	Ground Floor								
	D1(750*2100)	1.00	0.75	0.75		2.10	1.58		
	D2(900*2100)	1.00	0.90	0.90		2.10	1.89		
			Total powder coated door					3.47	Sq.m
14.3	Window/ventilation								
14.3.1	Aluminium window							Sq.m	
	Ground Floor								
	W1(1500*1200)	1.00	1.50	1.50		1.20	1.80		
	W2(2680*1200)	1.00	2.68	2.68		1.20	3.22		
	V(600*600)	1.00	0.60	0.60		0.60	0.36		
			Total powder coated window					5.38	Sq.m
15	COLOURING /PAINTING WORKS								
15.1	INTERIOR DISTEMPER PAINT								
	Total internal wall paint		As per inner plaster work					62.54	
	Ceiling								
	Guard room	1.00	3.00	3.00	2.54		7.62		

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DETAIL ESTIMATE (Guard House)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Toilet	1.00	1.50	1.50	1.43		2.15		
			Total distemper paint				72.31	Sq.m	
15.2	EXTERIOR WEATHERCOAT PAINT								
	Total external wall paint		As per external plaster work				90.40		
	Ceiling								
	Passage	1.00	1.66	1.66	1.16		1.93		
	Projected ceiling	1.00	18.40	18.40	0.60		11.04		
	Sides	1.00	20.80	20.80		0.15	3.12		
			Total weather coat paint				106.49	Sq.m	
15.2	ENAMEL PAINT								
	window								
	W1(1500*1200)	1.00	1.50	1.50		1.20	1.80		
	W2(2680*1200)	1.00	2.68	2.68		1.20	3.22		
	V(600*600)	1.00	0.60	0.60		0.60	0.36		
			Total weather coat paint				5.38	Sq.m	
16	Grill work								
	window								
	W1(1500*1200)	1.00	1.50	1.50		1.20	1.80		
	W2(2680*1200)	1.00	2.68	2.68		1.20	3.22		
	V(600*600)	1.00	0.60	0.60		0.60	0.36		
			Total grill work				5.38	Sq.m	

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Ghodaghodi Municipality

Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Chuatari)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	For building	1.0	20.00	20.00	14.00		280.00		
			Total Site Clearance Work				280.00	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of wall								
	outer wall	1.0	68.00	68.00	0.90	0.83	50.79		
	inside wall	1.0	47.20	47.20	0.90	0.83	35.25		
	around the tree	2.0	8.00	16.00	0.90	0.83	11.95		
			Total earthwork in excavation				97.99	Cu.m	
3	Earthback Filling								
	back filling lower level	1.0	125.50			0.33	41.42		
	back filling upper level	1.0	114.21			0.78	89.08		
	Total excavation	1.0	97.99				97.99	1 nos	
	Deduction								
	Soling	-1.0	13.77				-13.77		
	PCC 1:3:6	-1.0	9.18				-9.18		
	Foundation wall	-1.0	43.41				-43.41		
			Total Filling Work				162.13	Cu.m	
4	Brick/Boulder Soling								
4.1	Brick Soling							Sq.m	
	Lower level	1.0	125.50				125.50		
	Upper level	1.0	114.21				114.21		
			Total brick soling work				239.71	Sq.m	
4.2	Boulder Soling								
	outer wall	1.0	68.0	68.00	0.70	0.15	7.14		
	inside wall	1.0	47.2	47.20	0.70	0.15	4.95		
	around the tree	2.0	8.0	16.00	0.70	0.15	1.68		
			Total stone soling work				13.77	Cu.m	

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DETAIL ESTIMATE (Chuatari)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
7	Stone work								
7.1	Stone Masonry Works in 1:6 C/S mortar						Cu.m		
	Foundation								
	500 mm th wall								
	outer wall	1.0	68.00	68.00	0.50	0.30	10.20		
	inside wall	1.0	47.20	47.20	0.50	0.30	7.08		
	around the tree	2.0	8.0	16.00	0.50	0.30	2.40		
	350 mm th wall								
	outer wall	1.0	68.00	68.00	0.35	0.30	7.14		
	inside wall	1.0	47.20	47.20	0.35	0.75	12.39		
	around the tree	2.0	8.0	16.00	0.35	0.75	4.20		
	Above plinth								
	350 mm th wall								
	outer wall	1.0	68.00	68.00	0.35	0.45	10.71		
	inside wall	1.0	47.20	47.20	0.35	0.45	7.43		
	around the tree	2.0	8.00	16.00	0.35	0.45	2.52		
			Total 1:6 Stonework upto plinth level				64.07	Cu.m	
8	PCC and RCC Work								
8.1	M10 (1:3:6)								
	outer wall	1.0	68.00	68.00	0.70	0.10	4.76		
	inside wall	1.0	47.20	47.20	0.70	0.10	3.30		
	around the tree	2.0	8.00	16.00	0.70	0.10	1.12		
			Total M10 (1:3:6) PCC				9.18	Cu.m	
8.2	M15 (1:2:4)								
	Lower level	1.0	125.50			0.08	10.04		
	Upper level	1.0	114.21			0.08	9.14		
			Total M15 (1:2:4) PCC				19.18	Cu.m	
9	FORMWORKS								
	For PCC								
	Sides for PCC work below foundation beam								
	outer wall	1.0	68.00	68.00		0.20	13.60		
	inside wall	1.0	47.20	47.20		0.20	9.44		
	around the tree	2.0	8.00	16.00		0.20	3.20		
			Total formwork				26.24	Sq.m	
11	Flooring & Finishing Work								
11.1	50 mm thick P.C.C. in (1:2:4) with cement punning (1:1) for roof treatment work.						Sq.m		

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DETAIL ESTIMATE (Chuatari)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Lower level	1.0	150.00				150.00		
	Upper level	1.0	122.24				122.24		
			Total 50 mm PCC with punning work				272.24	Sqm	

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Ghodaghodi Municipality

Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Flag central space)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	area	1.0	9.60	9.60	9.60		92.16		
			Total Site Clearance Work				92.16	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of wall								
	1st step	1.0	56.50	56.50	0.65	0.53	19.46		
	2nd step	1.0	50.30	50.30	0.65	0.53	17.32		
	3rd step	1.0	44.00	44.00	0.65	0.53	15.15		
	4th step	1.0	37.70	37.70	0.65	0.53	12.98		
			Total earthwork in excavation				64.91	Cu.m	
3	Earthback Filling								
	1st level	1.0	40.54		0.03		1.22		
	2nd level	1.0	35.73		0.18		6.43		
	3rd level	1.0	30.88		0.33		10.19		
	4th level	1.0	104.60		0.48		50.21		
	Total excavation	1.0	64.91				64.91	1 nos	
	Deduction								
	Soling	-1.0	4.24				-4.24		
	PCC 1:3:6	-1.0	6.77				-6.77		
	Foundation wall	-1.0	25.43				-25.43		
			Total Filling Work				96.52	Cu.m	
4	Brick/Boulder Soling								
4.1	Brick Soling							Sq.m	
	Foundation								
	1st step	1.0	56.50	56.50	0.45		25.42		
	2nd step	1.0	50.30	50.30	0.45		22.63		
	3rd step	1.0	44.00	44.00	0.45		19.80		
	4th step	1.0	37.70	37.70	0.45		16.96		
	above plinth								
	1st level	1.0	40.54				40.54		

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DETAIL ESTIMATE (Flag central space)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	2nd level	1.0		35.73			35.73		
	3rd level	1.0		30.88			30.88		
	4th level	1.0		104.60			104.60		
				Total brick soling work			296.56	Sq.m	
7	Brick work								
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m	
	Foundation								
	450 mm th wall								
	1st step	1.0	56.50	56.50	0.45	0.30	7.62		
	2nd step	1.0	50.30	50.30	0.45	0.30	6.79		
	3rd step	1.0	44.00	44.00	0.45	0.30	5.94		
	4th step	1.0	37.70	37.70	0.45	0.30	5.08		
	Above ground level								
	230 mm th wall	.							
	1st step	1.0	56.50	56.50	0.23	0.15	1.94		
	2nd step	1.0	50.30	50.30	0.23	0.30	3.47		
	3rd step	1.0	44.00	44.00	0.23	0.45	4.55		
	4th step	1.0	37.70	37.70	0.23	0.60	5.20		
	central part	1.0	6.30	6.30	0.23	0.60	0.86		
				Total 1:6 stone work upto plinth level			41.45	Cu.m	
8	PCC and RCC Work								
8.1	M10 (1:3:6)								
	Foundation								
	1st step	1.0	56.50	56.50	0.45	0.08	2.03		
	2nd step	1.0	50.30	50.30	0.45	0.08	1.81		
	3rd step	1.0	44.00	44.00	0.45	0.08	1.58		
	4th step	1.0	37.70	37.70	0.45	0.08	1.35		
				Total M10 (1:3:6) PCC			6.77	Cu.m	
8.2	M15 (1:2:4)								
	above plinth								
	1st level	1.0		40.54		0.08	3.24		
	2nd level	1.0		35.73		0.08	2.86		
	3rd level	1.0		30.88		0.08	2.47		
	4th level	1.0		104.60		0.08	8.37		
				Total M15 (1:2:4) PCC			16.94	Cu.m	
9	FORMWORKS								
	For PCC								

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DETAIL ESTIMATE (Flag central space)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Sides for PCC work below foundation beam								
	Foundation								
	1st step	1.0	56.50	56.50		0.16	9.04		
	2nd step	1.0	50.30	50.30		0.16	8.04		
	3rd step	1.0	44.00	44.00		0.16	7.04		
	4th step	1.0	37.70	37.70		0.16	6.03		
			Total formwork				30.15	Sq.m	
11	Flooring & Finishing Work								
11.1	Kotastone							Sq.m	
	whole area	1.0	255.00				255.00		
	steps riser								
	1st step	1.0	56.50	56.50		0.15	8.47		
	2nd step	1.0	50.30	50.30		0.15	7.54		
	3rd step	1.0	44.00	44.00		0.15	6.60		
	4th step	1.0	37.70	37.70		0.15	5.65		
	central area outer and inner	1.0	6.3	6.30		0.45	2.83		
			Total kotastone				286.09	Sqm	

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Ghodaghodi Municipality

Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Aarati sapce)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	area	1.0	9.60	9.60	9.60		92.16		
			Total Site Clearance Work				92.16	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of wall								
	1st step	3.0	10.00	30.00	1.70	0.53	27.03		
	Flower bed	3.0	19.40	58.20	0.65	0.53	20.04		
			Total earthwork in excavation				47.07	Cu.m	
3	Earthback Filling								
	top level	1.0	186.30			0.48	89.42		
	flower bed	3.0	9.70			0.60	17.46		
	Total excavation	1.0	47.07				47.07		
	Deduction								
	Soling	-1.0	4.30				-4.30		
	PCC 1:3:6	-1.0	6.87				-6.87		
	Foundation wall	-1.0	17.51				-17.51		
			Total Filling Work				125.27	Cu.m	
4	Brick/Boulder Soling								
4.1	Brick Soling							Sq.m	
	Foundation								
	1st step	3.0	10.00	30.00	1.70		51.00		
	Flower bed	3.0	19.40	58.20	0.60		34.92		
	Above ground								
	top level	1.0	186.30				186.30		
			Total brick soling work				272.22	Sq.m	
7	Brick work								
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m	
	Foundation								
	450 mm th wall								

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DETAIL ESTIMATE (Aarati sapce)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks	
			Length	T.Length	Breadth	Height				
	1st step	3.0	10.00	30.00	1.50	0.30	13.50			
	Flower bed	3.0	19.40	58.20	0.23	0.30	4.01			
	Above ground level									
	steps	.								
	1st step	3.0	10.00	30.00	1.20	0.15	5.40			
	2nd step	3.0	10.00	30.00	0.90	0.15	4.05			
	3rd step	3.0	10.00	30.00	0.60	0.15	2.70			
	4th step	3.0	10.00	30.00	0.30	0.15	1.35			
	Flower bed	3.0	19.40	58.20	0.12	0.60	4.19			
			Total 1:6 stone work upto plinth level				35.20	Cu.m		
8	PCC and RCC Work									
8.1	M10 (1:3:6)									
	Foundation									
	1st step	3.0	10.00	30.00	1.70	0.08	4.08			
	Flower bed	3.0	19.40	58.20	0.60	0.08	2.79			
			Total M10 (1:3:6) PCC				6.87	Cu.m		
8.2	M15 (1:2:4)									
	above plinth									
	top level	1.0	186.30			0.08	14.90			
			Total M15 (1:2:4) PCC				14.90	Cu.m		
8.2	M20									
	flower bed									
	top level	3.0	19.40	58.20	0.12	0.08	0.55			
			Total M15 (1:2:4) PCC				0.55	Cu.m		
9	FORMWORKS									
	For PCC									
	Sides for PCC work below foundation beam									
	Foundation									
	1st step	3.0	10.00	30.00		0.16	4.80			
	Flower bed	3.0	19.40	58.20		0.16	9.31			
	M20									
	flower bed									
	top level	3.0	19.40	58.20		0.16	9.31			
			Total formwork				23.42	Sq.m		
9	Rebar									
	rebar (1%)	1.0	0.55			7850.00	43.18			
			Total rebar				43.18	kg		
11	Flooring & Finishing Work									
11.1	Kotastone							Sq.m		
	whole area	1.0	201.06				201.06			
	steps riser and tread									
	1st step	3.0	9.90	29.70		0.45	13.36			

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DETAIL ESTIMATE (Aarati sapce)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks	
			Length	T.Length	Breadth	Height				
	2nd step	3.0	9.50	28.50		0.45	12.82			
	3rd step	3.0	9.20	27.60		0.45	12.42			
	4th step	3.0	8.90	26.70		0.45	12.01			
			Total kotastone				251.67	Sqm		
11.2	Granite							Sq.m		
	flower bed									
	top level	3.0	19.4	58.20		0.22	12.80			
			Total granite				12.80	Sqm		
11	Plaster work									
11.1	external plaster							Sq.m		
	Flower bed	3.0	19.4	58.20		1.06	61.69			
			Total plaster work				61.69	Sqm		
11	Painting work									
11.1	Exterior paint							Sq.m		
	as per plaster work						61.69			
			Total external paint				61.69	Sqm		

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Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Museum Plaza)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	area	1.0	62.83			62.83			
			Total Site Clearance Work				62.83	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of wall								
	Flower bed	1.0	150.00	150.00	0.43	0.43	27.73		
	stone	10.0	3.50	35.00	0.80	3.23	28.00		
			Total earthwork in excavation				27.73	Cu.m	
3	Earthback Filling								
	flower bed	1.0	200.00			0.60	120.00		
	Total excavation	1.0	27.73				27.73		
	Deduction								
	Soling	-1.0	2.78				-2.78		
	PCC 1:3:6	-1.0	4.44				-4.44		
	Foundation wall	-1.0	31.35				-31.35		
			Total Filling Work				109.16	Cu.m	
4	Brick/Boulder Soling								
4.1	Brick Soling							Sq.m	
	Foundation								
	Flower bed	1.0	150.00	150.00	0.23		34.50		
	stone	10.0	3.50	35.00	0.60		21.00		
	Above ground								
	area	1.0	300.00				300.00		
			Total brick soling work				355.50	Sq.m	
5	Sand filling								
	Above ground								
	area	1.0	300.00			0.05	15.00		
			Total sand filling work				15.00	cu.m	
6	Gravel filling							Sq.m	
	Above ground								

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DETAIL ESTIMATE (Museum Plaza)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	area	1.0	300.00			0.08	24.00		
			Total gravel filling work				24.00	cu.m	
7	Brick work								
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m	
	Foundation								
	450 mm th wall								
	Flower bed	1.0	150.00	150.00	0.23	0.30	10.35		
	Above ground level								
	steps	.							
	Flower bed	1.0	150.00	150.00	0.12	0.45	8.10		
			Total 1:6 brick work upto plinth level				18.45	Cu.m	
7	Stone work								
	stone	10.0	3.50	35.00	0.60	1.00	21.00		
	stone	10.0	3.00	30.00	0.35	2.00	21.00		
			Total 1:6 stone work upto plinth level				42.00	Cu.m	
8	PCC and RCC Work								
8.1	M10 (1:3:6)								
	Foundation								
	Flower bed	1.0	150.00	150.00	0.23	0.08	2.76		
	stone	10.0	3.50	35.00	0.60	0.08	1.68		
			Total M10 (1:3:6) PCC				4.44	Cu.m	
9	FORMWORKS								
	For PCC								
	Sides for PCC work below foundation beam								
	Foundation								
	Flower bed	1.0	150.00	150.00		0.16	24.00		
			Total formwork				24.00	Sq.m	
11	Flooring & Finishing Work								
11.2	Granite							Sq.m	
	flowe bed top								
	Flower bed	1.0	150.0	150.00		0.17	25.50		
			Total granite				25.50	Sqm	
11	Plaster work								
11.1	external plaster							Sq.m	
	Flower bed	1.0	150.0	150.00		0.75	112.50		
			Total plaster work				112.50	Sqm	
11	Painting work								
11.1	Exterior paint							Sq.m	
	as per plaster work						112.50		
			Total external paint				112.50	Sqm	

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Ghodaghodi Municipality

Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Water pond)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	area	1.0	1.0	586.00		586.00			
			Total Site Clearance Work				586.00	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of wall								
	1st pond	1.0	56.60	56.60	0.85	0.43	20.68		
	2nd pond	1.0	58.50	58.50	0.85	0.43	21.38		
	3rd pond	1.0	58.10	58.10	0.85	0.43	21.23		
			Total earthwork in excavation				63.29	Cu.m	
3	Earthback Filling								
	Total excavation	1.0	63.29				63.29	1 nos	
	Deduction								
	Soling	-1.0	5.63				-5.63		
	PCC 1:3:6	-1.0	9.00				-9.00		
	Foundation wall	-1.0	23.37				-23.37		
			Total Filling Work				25.29	Cu.m	
4	Brick/Boulder Soling								
4.1	Brick Soling							Sq.m	
	Foundation wall								
	1st pond	1.0	56.60	56.60	0.65		36.79		
	2nd pond	1.0	58.50	58.50	0.65		38.02		
	3rd pond	1.0	58.10	58.10	0.65		37.76		
	floor								
	1st pond	1.0	107.76				107.76		
	2nd pond	1.0	132.30				132.30		
	3rd pond	1.0	116.70				116.70		
			Total brick soling work				469.33	Sq.m	
7	Brick work								
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m	
	Foundation								
	450 mm th wall								

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DETAIL ESTIMATE (Water pond)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	1st pond	1.0	56.60	56.60	0.45	0.30	7.64		
	2nd pond	1.0	58.50	58.50	0.45	0.30	7.89		
	3rd pond	1.0	58.10	58.10	0.45	0.30	7.84		
	Above ground level								
	1st pond	1.0	56.60	56.60	0.23	0.53	6.89		
	2nd pond	1.0	58.50	58.50	0.23	0.53	7.13		
	3rd pond	1.0	58.10	58.10	0.23	0.53	7.08		
			Total 1:6 stone work upto plinth level				44.47	Cu.m	
8	PCC and RCC Work								
8.1	M10 (1:3:6)								
	Foundation								
	1st pond	1.0	56.60	56.60	0.65	0.08	2.94		
	2nd pond	1.0	58.50	58.50	0.65	0.08	3.04		
	3rd pond	1.0	58.10	58.10	0.65	0.08	3.02		
			Total M10 (1:3:6) PCC				9.00	Cu.m	
8.2	M15 (1:2:4)								
	floor								
	1st pond	1.0	107.76			0.08	8.62		
	2nd pond	1.0	132.30			0.08	10.58		
	3rd pond	1.0	116.70			0.08	9.34		
			Total M15 (1:2:4) PCC				28.54	Cu.m	
8.2	M20								
	pond top sill band								
	1st pond	1.0	56.6	56.60	0.23	0.08	1.04		
	2nd pond	1.0	58.5	58.50	0.23	0.08	1.07		
	3rd pond	1.0	58.1	58.10	0.23	0.08	1.06		
			Total M20				3.17	Cu.m	
9	FORMWORKS								
	For PCC								
	Sides for PCC work below foundation beam								
	Foundation								
	1st pond	1.0	56.60	56.60		0.16	9.05		
	2nd pond	1.0	58.50	58.50		0.16	9.36		
	3rd pond	1.0	58.10	58.10		0.16	9.29		
	M20								
	pond top sill band								
	1st pond	1.0	56.60	56.60		0.16	9.05		
	2nd pond	1.0	58.50	58.50		0.16	9.36		
	3rd pond	1.0	58.10	58.10		0.16	9.29		
			Total formwork				55.40	Sq.m	
9	Rebar								
	rebar (1%)	1.0	3.17			7850.00	248.85		

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DETAIL ESTIMATE (Water pond)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
			Total rebar				248.85	kg	
11	Flooring & Finishing Work								
11.1	Tile						Sq.m		
	Floor area								
	whole area	1.0		107.76			107.76		
	whole area	1.0		132.30			132.30		
	whole area	1.0		116.70			116.70		
	inside wall								
	1st pond	1.0	56.60	56.60		0.61	34.52		
	2nd pond	1.0	58.50	58.50		0.61	35.68		
	3rd pond	1.0	58.10	58.10		0.61	35.44		
			Total file				462.40	Sqm	
11.2	Granite								
	pond top sill band								
	1st pond	1.0	56.6	56.60		0.33	18.67		
	2nd pond	1.0	58.5	58.50		0.33	19.30		
	3rd pond	1.0	58.1	58.10		0.33	19.17		
			Total granite				57.14	Sqm	
11	Plaster work								
11.1	external plaster						Sq.m		
	1st pond	1.0	56.60	56.60		0.61	34.52		
	2nd pond	1.0	58.50	58.50		0.61	35.68		
	3rd pond	1.0	58.10	58.10		0.61	35.44		
			Total plaster work				105.64	Sqm	
11	Painting work								
11.1	Exterior paint						Sq.m		
	as per plaster work						105.64		
			Total external paint				105.64	Sqm	

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Ghodaghodi Municipality

Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Pavillion)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	For building	1.00	6.00	6.00	6.00		36.00		
			Total Site Clearance Work				36.00	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of column								
	Post	9.00	0.80	7.20	0.80	0.83	4.78		
	For Foundation Beam								
	Along Grid A-A	1.00	4.52	4.52	0.43	0.53	1.03		
	Along Grid B-B	1.00	4.52	4.52	0.43	0.53	1.03		
	Along Grid C-C	1.00	4.52	4.52	0.43	0.53	1.03		
	Along Grid 1-1	1.00	4.52	4.52	0.43	0.53	1.03		
	Along Grid 3-3	1.00	4.52	4.52	0.43	0.53	1.03		
			Total earthwork in excavation				9.93	Cu.m	
3	Earthback Filling								
	Total excavation	1	9.93				9.93		1 nos
	Deduction								
	Soling	-1	2.31				-2.31		
	PCC 1:3:6	-1	0.86				-0.86		
			Total Filling Work				6.76	Cu.m	
4	Brick/Boulder Soling								
4.1	Brick Soling							Sq.m	
	Floor								
	Entry Porch	1.00	22.46	22.46	0.61		13.70		
	Room	1.00	5.01	5.01	5.01		25.10		
	centre sitting	1.00	1.50	1.50	1.50		2.25		
			Total stone soling work				41.05	Sq.m	
4.2	Boulder Soling								
	Below Foundation of wall								
	Post	9.00	0.80	7.20	0.80	0.15	0.86		
	Along Grid A-A	1.00	4.55	4.55	0.43	0.15	0.29		
	Along Grid B-B	1.00	4.55	4.55	0.43	0.15	0.29		
	Along Grid C-C	1.00	4.55	4.55	0.43	0.15	0.29		
	Along Grid 1-1	1.00	4.55	4.55	0.43	0.15	0.29		
	Along Grid 3-3	1.00	4.55	4.55	0.43	0.15	0.29		
			Total stone soling work				2.31	Cu.m	

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DETAIL ESTIMATE (Pavillion)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
7	Brickwork								
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m	
	Upto Plinth Level								
	Along Grid A-A	1.00	4.55	4.55	0.23	0.45	0.47		
	Along Grid B-B	1.00	4.55	4.55	0.23	0.45	0.47		
	Along Grid C-C	1.00	4.55	4.55	0.23	0.45	0.47		
	Along Grid 1-1	1.00	4.55	4.55	0.23	0.45	0.47		
	Along Grid 3-3	1.00	4.55	4.55	0.23	0.45	0.47		
			Total 1:6 B/W upto plinth level				2.35	Cu.m	
8	PCC and RCC Work								
8.1	M10 (1:3:6)								
	Below Foundation wall								
	Post	9.00	0.80	7.20	0.80	0.08	0.46		
	Along Grid A-A	1.00	4.55	4.55	0.23	0.08	0.08		
	Along Grid B-B	1.00	4.55	4.55	0.23	0.08	0.08		
	Along Grid C-C	1.00	4.55	4.55	0.23	0.08	0.08		
	Along Grid 1-1	1.00	4.55	4.55	0.23	0.08	0.08		
	Along Grid 3-3	1.00	4.55	4.55	0.23	0.08	0.08		
			Total M10 (1:3:6) PCC				0.86	Cu.m	
8.2	M15 (1:2:4)								
	Floor								
	Entry Porch	1.00	22.46	22.46	0.61	0.08	1.09		
	Room	1.00	5.01	5.01	5.01	0.08	2.00		
	centre sitting area	1.00	1.50	1.50	1.50	0.08	0.18		
			Total M15 (1:2:4) PCC				3.27	Cu.m	
8.3	M20 (1:1.5:3)								
	post foundation	9.00	0.60	5.40	0.60	0.30	0.97		
	post pedestal	9.00	0.30	2.70	0.30	0.60	0.48		
	For Top Tie Beam								
	Along Grid A-A	1.00	4.55	4.55	0.23	0.15	0.15		
	Along Grid B-B	1.00	4.55	4.55	0.23	0.15	0.15		
	Along Grid C-C	1.00	4.55	4.55	0.23	0.15	0.15		
	Along Grid 1-1	1.00	4.55	4.55	0.23	0.15	0.15		
	Along Grid 3-3	1.00	4.55	4.55	0.23	0.15	0.15		
			Total RCC work				2.20	Cu.m	
9	FORMWORKS								
	post foundation	9.00	2.40	21.60		0.30	6.48		
	post pedestal	9.00	1.20	10.80		0.60	6.48		
	For Top Tie Beam								
	Along Grid A-A	1.00	4.55	4.55		0.15	0.68		2 sides
	Along Grid B-B	1.00	4.55	4.55		0.15	0.68		

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DETAIL ESTIMATE (Pavillion)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Along Grid C-C	1.00	4.55	4.55		0.15	0.68		
	Along Grid 1-1	1.00	4.55	4.55		0.15	0.68		
	Along Grid 3-3	1.00	4.55	4.55		0.15	0.68		
							16.36	Sq.m	
	For PCC								
	Sides for PCC work below foundation beam								
	Along Grid A-A	1.00	4.55	4.55		0.15	0.68		
	Along Grid B-B	1.00	4.55	4.55		0.15	0.68		
	Along Grid C-C	1.00	4.55	4.55		0.15	0.68		
	Along Grid 1-1	1.00	4.55	4.55		0.15	0.68		
	Along Grid 3-3	1.00	4.55	4.55		0.15	0.68		
			Total formwork for PCC					3.40	Sq.m
			Total formwork					19.76	Sq.m
10	REINFORCEMENT							Kg	
	Reinforcement(1.5%)	1.50	2.20				259.05		
			Total reinforcement work					259.05	Kg
11	Flooring & Finishing Work								
11.1	50 mm thick P.C.C. in (1:2:4) with cement punning (1:1) for roof treatment work.							Sq.m	
	Entry Porch	1.00	22.46	22.46	0.60		13.47		
	Room	1.00	5.01	5.01	5.01		25.10		
			Total 50mm PCC with punning work					38.57	Sqm
12	PLASTERING WORKS								
12.1	12.5mm thick cement plaster in (1:4) in External Wall etc							Sq.m	
	Upto Plinth level								
	Upto Plinth	1.00	24.90	24.90		0.30	7.47		
	centre area wall	1.00	6.00	6.00		1.00	6.00	Sq.m	
			Total 1:4 external plaster					13.47	Sq.m
13	COLOURING /PAINTING WORKS								
13.1	EXTERIOR WEATHERCOAT PAINT								
	Total external wall paint		As per inner plaster work				13.47		
			Total weather coat paint					13.47	Sq.m
14	ROOFING WORK								
14.1	UPVC sheet							Sq.m	
	Roof cover	1.00	6.40	6.40	6.40		40.96		
			Total UPVC sheet					40.96	Sq.m
14.2	UPVC ridge cover							Rm	
	Roof cover	2.00	8.80	17.60			17.60		
			Total ridge cover					17.60	Rm

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DETAIL ESTIMATE (Pavillion)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
15	ROOF TRUSS								
	Ground Floor (Roof cover)								
	6" SHS Post	9.00	2.85	25.65	22.26	570.96			
	Truss	1.00	491.52			491.52			
			Total MS pipe for roof truss			1062.48	Kg		

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Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Main Gate)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	For main gate	1.00	16.80	16.80	3.70		62.16		
			Total Site Clearance Work				62.16	Sq.m	
2	Earthwork in Excavation								
	Raft 1	2.00	4.80	9.60	3.70	1.73	61.44		
	Raft 2	1.00	3.50	3.50	3.70	1.73	22.40		
	Foundation beam	1.00	31.20	31.20	0.63	1.73	34.00		
			Total earthwork in excavation				117.84	Cu.m	
3	Earthback Filling								
	Filling Upto Ground Level For Footing of column								
	Total excavation						117.84		
	Deduction for pcc	-1.00		3.96			-3.96		
	Deduction for soling	-1.00		7.45			-7.45		
	Deduction for wall	-1.00		5.02			-5.02		
	Deduction for RCC footing	-1.00		13.06			-13.06		
	Deduction for Column and wall	-1.00		2.24			-2.24		
			Total filling work				86.11	Cu.m	
4	Boulder Soling								
	Raft 1	2.00	4.60	9.20	3.50	0.15	4.83		
	Raft 2	1.00	3.30	3.30	3.50	0.15	1.73		
	Foundation beam	1.00	13.80	13.80	0.43	0.15	0.89		
			Total Stone soling				7.45	Cu.m	
5	1:6 brick work								
	Foundation								
	wall footing for tie beam	1.00	31.20	31.20	0.23	0.70	5.02		
			Total 1:6 half brick work				5.02	Cu.m	
6	1:4 brick work								
	Wall	12.00	1.00	12.00	0.12	5.00	7.20		
			Total 1:4 half brick work				7.20	Cu.m	
6	PCC and RCC Work								
6.1	M10 (1:3:6)								
	Raft 1	2.00	4.60	9.20	3.50	0.08	2.57		

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DETAIL ESTIMATE (Main Gate)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Raft 2	1.00	3.30	3.30	3.50	0.08	0.92		
	Foundation beam	1.00	13.80	13.80	0.43	0.08	0.47		
			Total M15 (1:3:6) PCC				3.96	Cu.m	
6.2	M20 (1:1.5:3)								
	For Column footing								
	Raft								
	Raft 1	2.00	4.40	8.80	3.30	0.45	13.06		
	Raft 2	1.00	3.10	3.10	3.30	0.45	4.60		
							13.06	Cu.m	
	Column								
	Column	12.00	0.50	6.00	0.50	6.55	19.65		
							19.65	Cu.m	
	Beam								
	Foundation beam	1.00	13.80	13.80	0.23	0.36	1.14		
	Tie beam	1.00	31.20	31.20	0.23	0.36	2.58		
	Top beam	1.00	31.20	31.20	0.30	0.45	4.21		
			=				7.93	Cu.m	
	Slab								
	Area	1.00	18.00	18.00	6.50	0.13	15.21		
							15.21	Cu.m	
			Total RCC work				55.85	Cu.m	
7	Formwork/Centering								
	PCC								
	Raft 1	2.00	18.40	36.80		0.08	2.94		
	Raft 2	1.00	13.20	13.20		0.08	1.05		
	Foundation beam	1.00	55.20	55.20		0.08	4.41		
	RCC								
	Raft 1	2.00	17.60	35.20		0.45	15.84		
	Raft 2	1.00	12.40	12.40		0.45	5.58		
	Column	12.00	2.00	24.00		6.55	157.20		
	Foundation beam	1.00	13.80	13.80		0.72	9.93		
	Tie beam	1.00	31.20	31.20		0.72	22.46		
	Top beam	1.00	31.20	31.20		1.20	37.44		
	Slab	1.00	19.80	19.80		7.15	141.57		
			Total formwork				398.42	Sq.m	
8	REINFORCEMENT								
	Reinforcement(2%)	2.00	55.85				8768.45		
			Total reinforcement work				8768.45	Kg	
9	Plastering work								
9.1	12mm thick cement plaster in (1:4) in External Wall etc							Sq.m	

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DETAIL ESTIMATE (Main Gate)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks	
			Length	T.Length	Breadth	Height				
	Around wall	6.00	5.20	31.20		5.50	171.60			
	Beam	1.00	31.20	31.20		1.20	37.44			
	Slab	1.00	19.80	19.80		7.15	141.57			
			Total external plaster				350.61	Sq.m		
9	Finishing									
9.1	Clad work							Sq.m		
	Around wall	6.00	5.20	31.20		2.90	90.48			
			Total clad work				90.48	Sq.m		
10	Painting work									
10.1	Weather coat paint two coat with one coat primer							Sq.m		
	as per plaster						350.61			
			Total weather coat paint				350.61	Sq.m		
10.1	Enamel paint							Sq.m		
	as per gate						55.64			
			Total enamel paint				55.64	Sq.m		
12	woodens truts									
	Around column	12.00	1.00	12.00	0.10	0.10	0.12			
			Total strut work				0.12	Cu.m		
15	ROOFING WORK									
9.1	slate work							Sq.m		
	slab	1.00	19.80	19.80		7.15	141.57			
			Total slate work				141.57	Sq.m		
16	Main gate									
	gate	1.00	10.70	10.70		2.60	27.82			
			Total gate				27.82	Sq.m		

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Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Toilet)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	For building	1.00	11.00	11.00	8.00		88.00		
			Total Site Clearance Work				88.00	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of column								
	F1	4.00	1.70	6.80	1.70	1.73	19.99		
	F2	2.00	2.00	4.00	2.00	1.73	13.84		
	For Foundation Beam								
	Along Grid A-A	1.00	2.09	2.09	0.43	1.38	1.24		
	Along Grid B-B	1.00	2.09	2.09	0.43	1.38	1.24		
	Along Grid C-C	1.00	2.09	2.09	0.43	1.38	1.24		
	Along Grid 1-1	1.00	3.03	3.03	0.43	1.38	1.79		
	Along Grid 2-2	1.00	3.03	3.03	0.43	1.38	1.79		
	Drain Around Building	1.00	18.90	18.90	0.69	0.46	5.99		
	Apron	1.00	16.77	16.77	0.67	0.23	2.58		
	Entry porch staircase	1.00	4.63	4.63	0.60	0.83	2.30		
	Ramp	1.00	4.50	4.50	0.60	0.83	2.24		
			Total earthwork in excavation				54.24	Cu.m	
3	Earthback Filling								
	Filling Upto Ground Level								
	For Footing of column								
	F1	4.00	1.70	6.80	1.70	1.73	19.99		
	F2	2.00	2.00	4.00	2.00	1.73	13.84		
	For Foundation Beam								
	Along Grid A-A	1.00	2.09	2.09	0.43	1.38	1.24		
	Along Grid B-B	1.00	1.79	1.79	0.43	1.38	1.06		
	Along Grid C-C	1.00	2.09	2.09	0.43	1.38	1.24		
	Along Grid 1-1	1.00	3.03	3.03	0.43	1.38	1.79		
	Along Grid 2-2	1.00	3.03	3.03	0.43	1.38	1.79		
	Filling in floor								
	Room between Grid A-A and B-B	1.00	3.56	3.56	2.41	0.18	1.54		
	Room between Grid B-B and C-C	1.00	3.56	3.56	3.89	0.18	2.49		
	Rectangular Section								
	F1	-4.00	1.50	-6.00	1.50	0.18	-1.62		
	F2	-2.00	1.80	-3.60	1.80	0.18	-1.16		
	Trapezoidal Section								
	F1	-4.00	1.50	-6.00	0.30	0.18	-0.84		

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DETAIL ESTIMATE (Toilet)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	F2	-2.00	1.80	-3.60	0.30	0.18	-0.58		
	Deduction for soling portion For Footing of column								
	F1	-4.00	1.70	-6.80	1.70	0.15	-1.73		
	F2	-2.00	2.00	-4.00	2.00	0.15	-1.20		
	Below Foundation beam								
	Along Grid A-A	-1.00	2.09	-2.09	0.43	0.15	-0.13		
	Along Grid B-B	-1.00	1.79	-1.79	0.43	0.15	-0.11		
	Along Grid C-C	-1.00	2.09	-2.09	0.43	0.15	-0.13		
	Along Grid 1-1	-1.00	3.03	-3.03	0.43	0.15	-0.19		
	Along Grid 2-2	-1.00	3.03	-3.03	0.43	0.15	-0.19		
	Deduction for PCC portion For Footing of column								
	F1	-4.00	1.70	-6.80	1.70	0.08	-0.92		
	F2	-2.00	2.00	-4.00	2.00	0.08	-0.64		
	Below Foundation beam								
	Along Grid A-A	-1.00	2.09	-2.09	0.43	0.08	-0.07		
	Along Grid B-B	-1.00	1.79	-1.79	0.43	0.08	-0.06		
	Along Grid C-C	-1.00	2.09	-2.09	0.43	0.08	-0.07		
	Along Grid 1-1	-1.00	3.03	-3.03	0.43	0.08	-0.10		
	Along Grid 2-2	-1.00	3.03	-3.03	0.43	0.08	-0.10		
	Deduction For Foundation Beam and wall								
	Along Grid A-A	-1.00	3.49	-3.49	0.23	1.15	-0.92		
	Along Grid B-B	-1.00	3.49	-3.49	0.23	1.15	-0.92		
	Along Grid C-C	-1.00	3.49	-3.49	0.23	1.15	-0.92		
	Along Grid 1-1	-1.00	6.13	-6.13	0.23	1.15	-1.62		
	Along Grid 2-2	-1.00	6.13	-6.13	0.23	1.15	-1.62		
	Deduction For Column upto GL								
	C1(300*300) at footing depth 350mm	-6.00	0.30	-1.80	0.30	1.15	-0.62		
	Total Filling Work						28.52	Cu.m	
4	Brick/Boulder Soling								
4.1	Brick Soling							Sq.m	
	Floor								
	Room between Grid A-A and B-B	1.00	3.56	3.56	2.41		8.57		
	Room between Grid B-B and C-C	1.00	3.56	3.56	3.89		13.84		
	Entry porch	1.00	2.21	2.21	1.17		2.58		
	Ramp	1.00	3.05	3.05	1.00		3.05		
	Total brick soling work						28.04	Sq.m	
4.2	Boulder Soling								
	For Footing of column								
	F1	4.00	1.70	6.80	1.70	0.15	1.73		
	F2	2.00	2.00	4.00	2.00	0.15	1.20		
	Below Foundation beam								
	Along Grid A-A	1.00	2.09	2.09	0.43	0.15	0.13		

DETAIL ESTIMATE (Toilet)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks	
			Length	T.Length	Breadth	Height				
	Along Grid B-B	1.00	1.79	1.79	0.43	0.15	0.11			
	Along Grid C-C	1.00	2.09	2.09	0.43	0.15	0.13			
	Along Grid 1-1	1.00	3.03	3.03	0.43	0.15	0.19			
	Along Grid 2-2	1.00	3.03	3.03	0.43	0.15	0.19			
	Foundation									
	Drain Around Building	1.00	18.90	18.90	0.69	0.15	1.95			
	Apron	1.00	16.77	16.77	0.67	0.15	1.68			
	Entry porch staircase	1.00	4.63	4.63	0.60	0.15	0.41			
	Ramp	1.00	4.50	4.50	0.60	0.15	0.40			
			Total stone soling work				8.12	Cu.m		
7	Brickwork									
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m		
	Upto Plinth Level									
	Along Grid A-A	1.00	3.49	3.49	0.23	1.00	0.80			
	Along Grid B-B	1.00	3.49	3.49	0.23	1.00	0.80			
	Along Grid C-C	1.00	3.49	3.49	0.23	1.00	0.80			
	Along Grid 1-1	1.00	6.13	6.13	0.23	1.00	1.40		5.58	
	Along Grid 2-2	1.00	6.13	6.13	0.23	1.00	1.40			
	Entry porch staircase									
	Step I	1.00	4.63	4.63	0.23	0.30	0.31			
	Step II	1.00	4.63	4.63	0.23	0.15	0.15			
	Drain Around Building	2.00	18.90	37.80	0.23	0.23	1.99			
	Ramp									
		1.00	4.50	4.50	0.23	0.30	0.31			
	Ground Floor									
	9" wall									
	Along Grid A-A	1.00	3.49	3.49	0.23	2.77	2.22			
	Along Grid C-C	1.00	3.49	3.49	0.23	2.77	2.22			
	Along Grid 1-1	1.00	6.13	6.13	0.23	3.54	4.99			
	Along Grid 2-2	1.00	4.51	4.51	0.23	3.54	3.67			
	Gable wall	2.00	8.87	17.74	0.23	0.80	3.26			
	Deduction for openings									
	V1(700*900)	-5.00	0.70	-3.50	0.23	0.90	-0.72			
	V2(1200*900)	-1.00	1.20	-1.20	0.23	0.90	-0.24			
			Total 1:6 B/W upto GF level				23.36	Cu.m		
7.2	Brick Works (1:4c/s) mortar							Cu.m		
	Ground Floor									
	4" wall									
	Partition wall seperating male and female toilet	1.00	6.50	6.50	0.12	2.85	2.22			
	Partion wall of male toilet	1.00	6.15	6.15	0.12	2.85	2.10			
	Partion wall of female toilet	1.00	3.61	3.61	0.12	2.85	1.23			
	Deduction for openings									

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DETAIL ESTIMATE (Toilet)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	D1(750*2100)	-3.00	0.75	-2.25	0.12	2.10	-0.56		
	D2(900*2100)	-2.00	0.90	-1.80	0.12	2.10	-0.45		
	D3(1000*2100)	-2.00	1.00	-2.00	0.12	2.10	-0.50		
			Total 1:4 B/W brick work				4.04	Cu.m	
8	PCC and RCC Work								
8.1	M10 (1:3:6)								
	Foundation								
	For Footing of column								
	F1	4.00	1.70	6.80	1.70	0.08	0.92		
	F2	2.00	2.00	4.00	2.00	0.08	0.64		
	Below Foundation beam						0.00		
	Along Grid A-A	1.00	2.09	2.09	0.43	0.08	0.07		
	Along Grid B-B	1.00	1.79	1.79	0.43	0.08	0.06		
	Along Grid C-C	1.00	2.09	2.09	0.43	0.08	0.07		
	Along Grid 1-1	1.00	3.03	3.03	0.43	0.08	0.10		
	Along Grid 2-2	1.00	3.03	3.03	0.43	0.08	0.10		
	Foundation						0.00		
	Entry porch staircase	1.00	4.63	4.63	0.60	0.08	0.22		
	Ramp	1.00	4.50	4.50	0.60	0.08	0.21		
	Drain Around Building	1.00	4.63	4.63	0.69	0.08	0.25		
	Apron	1.00	18.90	18.90	0.67	0.08	1.01		
			Total M10 (1:3:6) PCC				3.65	Cu.m	
8.2	M15 (1:2:4)								
	Floor								
	Room between Grid A-A and B-B	1.00	3.56	3.56	2.41	0.08	0.68		
	Room between Grid B-B and C-C	1.00	3.56	3.56	3.89	0.08	1.10		
	Entry porch	1.00	2.21	2.21	1.17	0.08	0.20		
	Ramp	1.00	3.05	3.05	1.00	0.08	0.24		
			Total M15 (1:2:4) PCC				2.22	Cu.m	
8.3	M20 (1:1.5:3)								
	For Column footing								
	Rectangular Section								
	F1	4.00	1.50	6.00	1.50	0.18	1.62		
	F2	2.00	1.80	3.60	1.80	0.18	1.16		
	Trapezoidal Section								
	F1	4.00	1.50	6.00	0.30	0.18	0.32		
	F2	2.00	1.80	3.60	0.30	0.18	0.19		
			Total RCC for footing				3.29	Cu.m	
	Column								
	For Column upto Top Tie Beam								
	Column (300*300)	6.00	0.30	1.80	0.30	1.60	0.86		
							0.86	Cu.m	
	Ground Floor								
	Column (300*300)	6.00	0.30	1.80	0.30	3.15	1.70		
							1.70	Cu.m	

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DETAIL ESTIMATE (Toilet)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
			Total RCC for column				2.56	Cu.m	
	Beam								
	For Foundation Beam								
	Along Grid A-A	1.00	3.49	3.49	0.23	0.30	0.24		
	Along Grid B-B	1.00	3.49	3.49	0.23	0.30	0.24		
	Along Grid C-C	1.00	3.49	3.49	0.23	0.30	0.24		
	Along Grid 1-1	1.00	6.13	6.13	0.23	0.30	0.42		
	Along Grid 2-2	1.00	6.13	6.13	0.23	0.30	0.42		
							1.56	Cu.m	
	For Top Tie Beam								
	Along Grid A-A	1.00	3.49	3.49	0.23	0.30	0.24		
	Along Grid B-B	1.00	3.49	3.49	0.23	0.30	0.24		
	Along Grid C-C	1.00	3.49	3.49	0.23	0.30	0.24		
	Along Grid 1-1	1.00	6.13	6.13	0.23	0.30	0.42		
	Along Grid 2-2	1.00	6.13	6.13	0.23	0.30	0.42		
							1.56	Cu.m	
	Ground Floor								
	Main Beam								
	Along Grid A-A	1.00	5.29	5.29	0.23	0.36	0.43		
	Along Grid B-B	1.00	5.29	5.29	0.23	0.36	0.43		
	Along Grid C-C	1.00	5.29	5.29	0.23	0.36	0.43		
	Along Grid 1-1	1.00	7.93	7.93	0.23	0.36	0.65		
	Along Grid 2-2	1.00	7.93	7.93	0.23	0.36	0.65		
	Inclined beam	2.00	4.73	9.46	0.23	0.23	0.50		
							3.09	Cu.m	
							6.21	Cu.m	
	Total RCC for beam								
	Slab								
	Ground Floor								
	Entire blocks slab	1.00	5.92	5.92	9.45	0.13	7.27		
							7.27	Cu.m	
	Total RCC for slab								
	Sill band								
	Ground Floor								
	9" wall								
	Along Grid A-A	1.00	3.49	3.49	0.23	0.08	0.06		
	Along Grid C-C	1.00	3.49	3.49	0.23	0.08	0.06		
	Along Grid 1-1	1.00	6.13	6.13	0.23	0.08	0.11		
	Along Grid 2-2	1.00	4.51	4.51	0.23	0.08	0.08		
	4" wall								
	Partition wall seperating male and femele toilet	1.00	6.50	6.50	0.12	0.08	0.06		
	Partion wall of male toilet	1.00	6.15	6.15	0.12	0.08	0.05		
	Partion wall of female toilet	1.00	3.61	3.61	0.12	0.08	0.03		
	Deduction for openings								
	D1(750*2100)	-5.00	0.75	-3.75	0.12	0.08	-0.03		
	D2(900*2100)	-2.00	0.90	-1.80	0.12	0.08	-0.01		

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DETAIL ESTIMATE (Toilet)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
			Total RCC for sill band				0.41	Cu.m	
	Lintel band								
	Ground Floor								
	9" wall								
	Along Grid A-A	1.00	3.49	3.49	0.23	0.15	0.12		
	Along Grid C-C	1.00	3.49	3.49	0.23	0.15	0.12		
	Along Grid 1-1	1.00	6.13	6.13	0.23	0.15	0.21		
	Along Grid 2-2	1.00	4.51	4.51	0.23	0.15	0.15		
	4" wall								
	Partion wall seperating male and femele toilet	1.00	6.50	6.50	0.12	0.15	0.11		
	Partion wall of male toilet	1.00	6.15	6.15	0.12	0.15	0.11		
	Partion wall of female toilet	1.00	3.61	3.61	0.12	0.15	0.06		
			Total RCC for lintel band				0.88	Cu.m	
			Total RCC work				20.62	Cu.m	
9	FORMWORKS								
	For column								
	For Column upto Top Tie Beam								
	Column (300*300)	6.00	1.20	7.20		1.60	11.52		
							11.52	Sq.m	
	Ground Floor								
	Column (300*300)	6.00	2.00	12.00		3.15	37.80		
							37.80	Sq.m	
			Total formwork for column				49.32	Sq.m	
	For Beam								
	For Foundation Beam								
	Along Grid A-A	2.00	3.49	6.98		0.30	2.09		2 sides
	Along Grid B-B	2.00	3.49	6.98		0.36	2.51		
	Along Grid C-C	2.00	3.49	6.98		0.36	2.51		
	Along Grid 1-1	2.00	6.13	12.26		0.36	4.41		
	Along Grid 2-2	2.00	6.13	12.26		0.36	4.41		
							15.93	Sq.m	
	For Top Tie Beam								
	Along Grid A-A	2.00	3.49	6.98		0.30	2.09		2 sides
	Along Grid B-B	2.00	3.49	6.98		0.36	2.51		
	Along Grid C-C	2.00	3.49	6.98		0.36	2.51		
	Along Grid 1-1	2.00	6.13	12.26		0.36	4.41		
	Along Grid 2-2	2.00	6.13	12.26		0.36	4.41		
							15.93	Sq.m	
	Ground Floor								
	Main Beam								
	Along Grid A-A	1.00	5.29	5.29		0.94	4.97		
	Along Grid B-B	1.00	5.29	5.29		0.94	4.97		
	Along Grid C-C	1.00	5.29	5.29		0.94	4.97		

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DETAIL ESTIMATE (Toilet)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Along Grid 1-1	1.00	7.93	7.93		0.94	7.45		
	Along Grid 2-2	1.00	7.93	7.93		0.94	7.45		
	Inclined beam	2.00	4.73	9.46		0.69	6.52		
							36.33	Sq.m	
			Total formwork for beam					68.19	Sq.m
	For Footing								
	Sides For PCC Column footing								
		F1	4.00	6.80	27.20	0.08	2.17		
		F2	2.00	8.00	16.00	0.08	1.28		
	Sides For Column footing								
		F1	2.00	6.00	12.00	0.18	2.16		
		F2	3.00	7.20	21.60	0.18	3.88		
			Total formwork for footing					9.49	Sq.m
	For PCC								
	Sides for PCC work below foundation beam								
	Along Grid A-A	1.00	2.09	2.09		0.15	0.31		
	Along Grid B-B	1.00	1.79	1.79		0.15	0.26		
	Along Grid C-C	1.00	2.09	2.09		0.15	0.31		
	Along Grid 1-1	1.00	3.03	3.03		0.15	0.45		
	Along Grid 2-2	1.00	3.03	3.03		0.15	0.45		
			Total formwork for PCC					1.78	Sq.m
	For Slab								
	Ground Floor								
	Entire blocks slab	1.00	5.92	5.92	9.45		55.94		
	Sides	1.00	30.74	30.74		0.13	3.99		
			Total formwork for slab					59.93	Sq.m
	For Sill band								
	Ground Floor								
	9" wall								
	Along Grid A-A	1.00	3.49	3.49		0.15	0.52		
	Along Grid C-C	1.00	3.49	3.49		0.15	0.52		
	Along Grid 1-1	1.00	6.13	6.13		0.15	0.91		
	Along Grid 2-2	1.00	4.51	4.51		0.15	0.67		
	4" wall								
	Partition wall seperating male and femele toilet	1.00	6.50	6.50		0.15	0.97		
	Partion wall of male toilet	1.00	6.15	6.15		0.15	0.92		
	Partion wall of female toilet	1.00	3.61	3.61		0.15	0.54		
	Deduction for openings								
	D1(750*2100)	-5.00	0.75	-3.75		0.15	-0.56		
	D2(900*2100)	-2.00	0.90	-1.80		0.15	-0.27		
			Total formwork for sill band					4.22	Sq.m
	For Lintel band								
	Ground Floor								
	9" wall								
	Along Grid A-A	1.00	3.49	3.49		0.30	1.04		
	Along Grid C-C	1.00	3.49	3.49		0.30	1.04		

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DETAIL ESTIMATE (Toilet)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Along Grid 1-1	1.00	6.13	6.13		0.30	1.83		
	Along Grid 2-2	1.00	4.51	4.51		0.30	1.35		
	4" wall								
	Partition wall seperating male and femele toilet	1.00	6.50	6.50		0.30	1.95		
	Partion wall of male toilet	1.00	6.15	6.15		0.30	1.84		
	Partion wall of female toilet	1.00	3.61	3.61		0.30	1.08		
			Total formwork for lintel band				10.13	Sq.m	
			Total formwork				203.06	Sq.m	
10	REINFORCEMENT							Kg	
	Reinforcement(1.8%)	1.80	20.62				2913.61		
			Total reinforcement work				2913.61	Kg	
11	Flooring & Finishing Work								
11.2	50 mm scredding and punning							Sq.m	
	Entry porch	1.00	2.72	2.72	1.63		4.43		
	Ramp	1.00	3.50	3.50	1.22		4.27		
			Total 50 mm scredding punning work				8.70	Sq.m	
11.1	Providing and Laying 6mm.th.porcelain glazed/non glazed tiles on walls and floor.							Sqm	
	Toilet								
11.1.1	Ground Floor								
	On walls								
	Gents Toilet								
	Inner toilet	2.00	4.67	9.34		1.20	11.20		
	Outside gents toilet	1.00	13.87	13.87		1.20	16.64		
	Girls Toilet								
	Inner toilet	3.00	4.88	14.64		1.20	17.56		
	Outside girls toilet	1.00	11.28	11.28		1.20	13.53		
	At entry	1.00	4.09	4.09		1.20	4.90		
	Deduction for openings								
	D1(750*2100)	-10.00	0.75	-7.50		1.20	-9.00		
	D2(900*2100)	-4.00	0.90	-3.60		1.20	-4.32		
			Total tile on wall				50.51	Sq.m	
11.1.2	On Floor								
	Room 1 (Gents Toilet)	1.00	10.59				10.59		
	Room 2 (ladies Toilet)	1.00	11.06				11.06		
			Total tile on floor				21.65	Sq.m	
11.2	CEMENT PUNNING							Sq.m	
	Outer entrance steps								
	Riser	3.00	4.63	13.89		0.15	2.08		
	Drain Around Building	1.00	4.63	4.63	1.15		5.32		
	Apron	1.00	18.90	18.90	0.67		12.66		

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DETAIL ESTIMATE (Toilet)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
			Total punning work				20.06	Sq.m	
11.3	Slate						Sq.m		
	Roof	1.00	8.87	8.87	9.45	83.82			
			Total slate work				83.82	Sq.m	
11.4	Outer wall stone cladding								
	outer wall	1.00	22.26	22.26		1.50	33.39		
			Total stone cladding work				33.39	Sq.m	
12	PLASTERING WORKS								
12.1	12.5mm thick cement plaster in (1:3) in ceiling ,beams etc						Sq.m		
	Ground Floor								
	Ceiling								
	Overall ceiling	1.00	6.58	6.58	8.84	58.16			
	Projected ceiling	2.00	8.87	17.74	0.90	15.96			
		2.00	8.84	17.68	0.90	15.91			
	Sides	1.00	30.84	30.84		0.13	4.00		
			Total 1:3 plaster on ceiling				94.03	Sq.m	
12.2	12.5mm thick cement plaster in (1:4) in Internal Wall etc								
	Girls Toilet								
	Throughout wall	1.00	14.20	14.20		3.50	49.70		
	Inner toilet	2.00	2.44	4.88		2.80	13.66		
		1.00	3.81	3.81		2.80	10.66		
	Outside girls toilet	1.00	3.40	3.40		3.50	11.90		
	0.00								
	Boys Toilet								
	Throughout wall	1.00	13.87	13.87		3.50	48.54		
	Inner toilet	1.00	2.34	2.34		2.80	6.55		
		1.00	3.60	3.60		2.80	10.08		
	Outside boys toilet	1.00	2.34	2.34		3.50	8.19		
	Gable wall	2.00	8.87	17.74		0.80	14.19		
	Sides of opening								
	V1(700*900)	5.00	3.20	16.00	0.23	3.68			
	V2(1200*900)	1.00	4.20	4.20	0.23	0.96			
	D1(750*2100)	3.00	4.95	14.85	0.12	1.78			
	D2(900*2100)	2.00	5.10	10.20	0.12	1.22			
	D3(1000*2100)	2.00	5.10	10.20	0.12	1.22			
	Deduction for openings								
	V1(700*900)	-5.00	0.70	-3.50		0.90	-3.15		
	V2(1200*900)	-1.00	1.20	-1.20		0.90	-1.08		
	D1(750*2100)	-3.00	0.75	-2.25		2.10	-4.72		
	D2(900*2100)	-2.00	0.90	-1.80		2.10	-3.78		
	D3(1000*2100)	-2.00	1.00	-2.00		2.10	-4.20		
			Total 1:4 inner plaster				165.40	Sq.m	
12.3	12.5mm thick cement plaster in (1:4) in External Wall etc						Sq.m		

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DETAIL ESTIMATE (Toilet)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Ground Floor								
	Around Building	1.00	22.26	22.26		3.50	77.91		
	Gable wall	2.00	8.87	17.74		0.80	14.19		
	Deduction for openings								
	V1(700*900)	-5.00	0.70	-3.50		0.90	-3.15		
	V2(1200*900)	-1.00	1.20	-1.20		0.90	-1.08		
	D3(1000*2100)	-1.00	1.00	-1.00		2.10	-2.10		
			Total 1:4 external plaster				85.77	Sq.m	
12.4	20mm thick cement sand plaster(1:4) on floor of good finish including racking of joints,wetting the surface and curing the work all complete.							Sq.m	
	Ground Floor								
	Steps outside toilet								
	Riser	2.00	4.63	9.26		0.15	1.38		
	Drain Around Building	1.00	4.63	4.63	1.15		5.32		
	Apron	1.00	18.90	18.90	0.67		12.66		
			Total 1:4 floor plaster				19.36	Sq.m	
12.5	3/4X1.5" thick pani patti in cement sand mortar(1:3).							Rm	
	Ground Floor cantiliver slab	1.00	27.18	27.18			27.18		
			Total panipatti work				27.18	Rm	
12.5	Putting							Rm	
	false ceiling	as per false ceiling					24.42		
			Total putting work				24.42	Sq.m	
13	Doors and Windows								
13.1	Aluminium door							Sq.m	
	Ground Floor								
	D1(750*2100)	3.00	0.75	2.25		2.10	4.72		
	D2(900*2100)	2.00	0.90	1.80		2.10	3.78		
	D3(100*2100)	2.00	1.00	2.00		2.10	4.20		
			Total Aluminium door				12.70	Sq.m	
13.2	Window/ventilation								
	Ventilation							Sq.m	
	Ground Floor								
	V1(700*900)	5.00	0.70	3.50		0.90	3.15		
	V2(1200*900)	1.00	1.20	1.20		0.90	1.08		
			Total Aluminium window				4.23	Sq.m	
14	COLOURING /PAINTING WORKS								
14.1	INTERIOR DISTEMPER PAINT								
	Total internal wall paint				As per inner plaster work		165.40		
	Total ceiling paint				As per ceiling plaster work		94.03		
	Total putting paint				As per puttingwork		24.42		

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DETAIL ESTIMATE (Toilet)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
			Total distemper paint				283.85	Sq.m	
14.2	EXTERIOR WEATHERCOAT PAINT								
	Total external wall paint		As per inner plaster work				85.77		
			Total weather coat paint				85.77	Sq.m	

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Ghodaghodi Municipality

Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Market Stall)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	For building	1.00	11.50	11.50	3.50		40.25		
	Total Site Clearance Work						40.25	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of column								
	Post	4.00	0.50	2.00	0.50	3.23	3.23		
	For Foundation Beam								
	Along Grid A-A	1.00	1.80	1.80	0.43	0.53	0.41		
	Along Grid B-B	1.00	1.80	1.80	0.43	0.53	0.41		
	Along Grid 1-1	1.00	2.79	2.79	0.43	0.53	0.63		
	Along Grid 2-2	1.00	2.79	2.79	0.43	0.53	0.63		
	Total earthwork in excavation						5.31	Cu.m	
3	Earthback Filling								
	Total excavation	1	5.31				5.31		1 nos
	Deduction								
	Soling	-1	0.71				-0.71		
	PCC 1:3:6	-1	0.24				-0.24		
	Total Filling Work						4.36	Cu.m	
4	Brick/Boulder Soling								
4.1	Brick Soling							Sq.m	
	Floor								
	Entry Porch	1.00	2.99	2.99	0.30		0.89		
	Room	1.00	2.99	2.99	2.01		6.00		
	Total stone soling work						6.89	Sq.m	
4.2	Boulder Soling								
	Below Foundation of wall								
	Post	4.00	0.50	2.00	0.50	0.15	0.15		
	Along Grid A-A	1.00	1.80	1.80	0.43	0.15	0.11		
	Along Grid B-B	1.00	1.80	1.80	0.43	0.15	0.11		
	Along Grid 1-1	1.00	2.79	2.79	0.43	0.15	0.17		
	Along Grid 2-2	1.00	2.79	2.79	0.43	0.15	0.17		
	Total stone soling work						0.71	Cu.m	
7	Brickwork								
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m	

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DETAIL ESTIMATE (Market Stall)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Upto Plinth Level								
	Along Grid A-A	1.00	1.80	1.80	0.23	0.30	0.12		
	Along Grid B-B	1.00	1.80	1.80	0.23	0.30	0.12		
	Along Grid 1-1	1.00	2.79	2.79	0.23	0.30	0.19		
	Along Grid 2-2	1.00	2.79	2.79	0.23	0.30	0.19		
			Total 1:6 B/W upto plinth level				0.62	Cu.m	
7.3	Brick Works (1:4c/s) mortar							Cu.m	
	Ground Floor								
	4" wall								
	Along Grid A-A	1.00	1.80	1.80	0.12	0.81	0.17		
	Along Grid B-B	1.00	1.80	1.80	0.12	0.81	0.17		
			Total 1:4 B/W brick work				0.34	Cu.m	
8	PCC and RCC Work								
8.1	M10 (1:3:6)								
	Below Foundation wall								
	Post	4.00	0.50	2.00	0.50	0.08	0.08		
	Along Grid A-A	1.00	1.80	1.80	0.23	0.08	0.03		
	Along Grid B-B	1.00	1.80	1.80	0.23	0.08	0.03		
	Along Grid 1-1	1.00	2.79	2.79	0.23	0.08	0.05		
	Along Grid 2-2	1.00	2.79	2.79	0.23	0.08	0.05		
			Total M10 (1:3:6) PCC				0.24	Cu.m	
8.2	M15 (1:2:4)								
	Floor								
	Entry Porch	1.00	2.99	2.99	0.30	0.08	0.07		
	Room	1.00	2.99	2.99	2.01	0.08	0.48		
	Post	4.00	0.30	1.20	0.30	0.30	0.10		
			Total M15 (1:2:4) PCC				0.65	Cu.m	
8.3	M20 (1:1.5:3)								
	For Top Tie Beam								
	Along Grid A-A	1.00	1.80	1.80	0.23	0.15	0.06		
	Along Grid B-B	1.00	1.80	1.80	0.23	0.15	0.06		
	Along Grid 1-1	1.00	2.79	2.79	0.23	0.15	0.09		
	Along Grid 2-2	1.00	2.79	2.79	0.23	0.15	0.09		
							0.30	Cu.m	
	Sill band								
	Ground Floor								
	4" wall								
	Along Grid A-A	1.00	1.80	1.80	0.12	0.08	0.01		
	Along Grid B-B	1.00	1.80	1.80	0.12	0.08	0.01		
			Total RCC for sill band				0.02	Cu.m	
			Total RCC work				0.32	Cu.m	

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DETAIL ESTIMATE (Market Stall)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
9	FORMWORKS								
	For Top Tie Beam								
	Along Grid A-A	2.00	1.80	3.60		0.15	0.54	2 sides	
	Along Grid B-B	2.00	1.80	3.60		0.15	0.54		
	Along Grid 1-1	2.00	2.79	5.58		0.15	0.83		
	Along Grid 2-2	2.00	2.79	5.58		0.15	0.83		
	Post	4.00	1.20	4.80		0.30	1.44		
							4.18	Sq.m	
	For PCC								
	Sides for PCC work below foundation beam								
	Along Grid A-A	2.00	1.80	3.60		0.15	0.54		
	Along Grid B-B	2.00	1.80	3.60		0.15	0.54		
	Along Grid 1-1	2.00	2.79	5.58		0.15	0.83		
	Along Grid 2-2	2.00	2.79	5.58		0.15	0.83		
				Total formwork for PCC			2.74	Sq.m	
	For Sill band								
	Ground Floor								
	4" wall								
	Along Grid A-A	1.00	1.80	1.80		0.15	0.27		
	Along Grid B-B	1.00	1.80	1.80		0.15	0.27		
							0.54	Sq.m	
							7.46	Sq.m	
10	REINFORCEMENT							Kg	
	Reinforcement(2%)	1.00		0.32			50.24		
							50.24	Kg	
11	Flooring & Finishing Work								
11.1	38mm thick P.C.C. in (1:2:4) with cement punning (1:1) for roof treatment work.							Sq.m	
	Entry Porch	1.00	2.99	2.99	0.30		0.89		
	Room	1.00	2.99	2.99	2.01		6.00		
							6.89	Sqm	
12	PLASTERING WORKS								
12.1	12.5mm thick cement plaster in (1:4) in External Wall etc							Sq.m	
	Upto Plinth level								
	Upto Plinth	1.00	9.99	9.99		0.15	1.49		
							1.49	Sq.m	
	Ground Floor								
	Along Grid A-A	1.00	1.80	1.80		1.74	3.13		
	Along Grid B-B	1.00	1.80	1.80		1.74	3.13		

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DETAIL ESTIMATE (Market Stall)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
							6.26	Sq.m	
			Total 1:4 external plaster				7.75	Sq.m	
13	COLOURING /PAINTING WORKS								
13.1	EXTERIOR WEATHERCOAT PAINT								
	Total external wall paint		As per inner plaster work				7.75		
			Total weather coat paint				7.75	Sq.m	
14	ROOFING WORK								
14.1	UPVC sheet							Sq.m	
	Roof cover	1.00	4.19	4.19	3.35		14.03		
			Total UPVC sheet				14.03	Sq.m	
14.2	UPVC ridge cover							Rm	
	Roof cover	1.00	4.19	4.19			4.19		
			Total ridge cover				4.19	Rm	
15	ROOF TRUSS								
	Ground Floor (Roof cover)								
	4" Post	4.00	2.85	11.40	14.41		164.27		
	Truss	1.00	168.36				168.36		
			Total MS pipe for roof truss				332.63	Kg	

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Ghodaghodi Municipality

Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAIL ESTIMATE (Generator House)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	For building	1.00	13.50	13.50	7.50		101.25		
			Total Site Clearance Work				101.25	Sq.m	
2	Earthwork in Excavation								
	Foundation for footing of column								
	Post	8.00	1.40	11.20	1.40	1.23	19.28		
	For Foundation Beam								
	Along Grid A-A	1.00	4.35	4.35	0.63	0.83	2.27		
	Along Grid B-B	1.00	4.35	4.35	0.63	0.83	2.27		
	Along Grid 1-1	1.00	11.40	11.40	0.63	0.83	5.96		
	Along Grid 2-2	1.00	11.40	11.40	0.63	0.83	5.96		
			Total earthwork in excavation				35.74	Cu.m	
3	Earthback Filling								
	room	1	4.35	4.35	11.40	0.13	6.44		
	Total excavation	1	35.74				35.74		1 nos
	Deduction								
	Soling	-1	3.74				-3.74		
	PCC 1:3:6	-1	1.98				-1.98		
			Total Filling Work				30.02	Cu.m	
4	Brick/Boulder Soling								
4.1	Brick Soling							Sq.m	
	Floor								
	Entry Porch	1.00	12.00	12.00	1.00		12.00		
	Room	1.00	4.35	4.35	11.40		49.59		
			Total stone soling work				61.59	Sq.m	
4.2	Boulder Soling								
	Below Foundation of wall								
	Post	8.00	1.20	9.60	1.20	0.15	1.72		
	Along Grid A-A	1.00	4.35	4.35	0.43	0.15	0.28		
	Along Grid B-B	1.00	4.35	4.35	0.43	0.15	0.28		
	Along Grid 1-1	1.00	11.40	11.40	0.43	0.15	0.73		

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DETAIL ESTIMATE (Generator House)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Along Grid 2-2	1.00	11.40	11.40	0.43	0.15	0.73		
	Total stone soling work						3.74	Cu.m	
7	Brickwork								
7.1	Brick Masonry Works in 1:6 C/S mortar							Cu.m	
	Upto Plinth Level								
	Along Grid A-A	1.00	4.35	4.35	0.23	0.60	0.60		
	Along Grid B-B	1.00	4.35	4.35	0.23	0.60	0.60		
	Along Grid 1-1	1.00	11.40	11.40	0.23	0.60	1.57		
	Along Grid 2-2	1.00	11.40	11.40	0.23	0.60	1.57		
	Above plinth								
	Along Grid A-A	1.00	6.00	6.00	0.23	0.90	1.24		
	Along Grid B-B	1.00	6.00	6.00	0.23	0.90	1.24		
	Along Grid 1-1	1.00	12.00	12.00	0.23	0.90	2.48		
	Along Grid 2-2	1.00	9.00	9.00	0.23	0.90	1.86		
	Total 1:6 B/W upto plinth level						11.16	Cu.m	
8	PCC and RCC Work								
8.1	M10 (1:3:6)								
	Below Foundation wall								
	Post	8.00	1.20	9.60	1.20	0.08	0.92		
	Along Grid A-A	1.00	4.35	4.35	0.43	0.08	0.14		
	Along Grid B-B	1.00	4.35	4.35	0.43	0.08	0.14		
	Along Grid 1-1	1.00	11.40	11.40	0.43	0.08	0.39		
	Along Grid 2-2	1.00	11.40	11.40	0.43	0.08	0.39		
	Total M10 (1:3:6) PCC						1.98	Cu.m	
8.2	M15 (1:2:4)								
	Floor								
	Room	1.00	11.70	11.70	4.65	0.08	4.35		
	Entry porch	1.00	12.00	12.00	1.00	0.08	0.96		
	Total M15 (1:2:4) PCC						5.31	Cu.m	
8.3	M20 (1:1.5:3)								
	post foundation	8.00	1.00	8.00	1.00	0.30	2.40		
	post pedestal	8.00	0.30	2.40	0.30	1.00	0.72		
	For Top Tie Beam								
	Along Grid A-A	1.00	4.35	4.35	0.23	0.15	0.15		
	Along Grid B-B	1.00	4.35	4.35	0.23	0.15	0.15		
	Along Grid 1-1	1.00	11.40	11.40	0.23	0.15	0.39		
	Along Grid 2-2	1.00	11.40	11.40	0.23	0.15	0.39		
	Total RCC work						4.20	Cu.m	

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DETAIL ESTIMATE (Generator House)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
9	FORMWORKS								
	post foundation	8.00	4.00	32.00		0.30	9.60		
	post pedestal	8.00	1.20	9.60		1.00	9.60		
	For Top Tie Beam								
	Along Grid A-A	1.00	4.35	4.35		0.30	1.30	2 sides	
	Along Grid B-B	1.00	4.35	4.35		0.30	1.30		
	Along Grid 1-1	1.00	11.40	11.40		0.30	3.42		
	Along Grid 2-2	1.00	11.40	11.40		0.30	3.42		
							28.64	Sq.m	
	For PCC								
	Sides for PCC work below foundation beam								
	Post	8.00	4.80	38.40		0.16	6.14		
	Along Grid A-A	1.00	4.35	4.35		0.16	0.69		
	Along Grid B-B	1.00	4.35	4.35		0.16	0.69		
	Along Grid 1-1	1.00	11.40	11.40		0.16	1.82		
	Along Grid 2-2	1.00	11.40	11.40		0.16	1.82		
				Total formwork for PCC			11.16	Sq.m	
							39.80	Sq.m	
10	REINFORCEMENT							Kg	
	Reinforcement(1.5%)	1.50		4.20			494.55		
							494.55	Kg	
11	Flooring & Finishing Work								
11.1	50 mm thick P.C.C. in (1:2:4) with cement punning (1:1) for roof treatment work.							Sq.m	
	Room	1.00	11.70	11.70	4.65		54.40		
	Entry porch	1.00	12.00	12.00	1.00		12.00		
							66.40	Sqm	
11.2	Stone cladding							Sq.m	
	wall	1.00	33.00	33.00		1.20	39.60		
							39.60	Sqm	
12	PLASTERING WORKS								
12.1	12.5mm thick cement plaster in (1:4) in External Wall etc							Sq.m	
	wall	1.00	33.00	33.00		1.13	37.29		
							37.29	Sq.m	
13	COLOURING /PAINTING WORKS								
13.1	EXTERIOR WEATHERCOAT PAINT								

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DETAIL ESTIMATE (Generator House)

S.N	Description	Nos.	Measurement				Quantity	Unit	Remarks
			Length	T.Length	Breadth	Height			
	Total external wall paint			As per inner plaster work			37.29		
				Total weather coat paint			37.29	Sq.m	
14	ROOFING WORK								
14.1	UPVC sheet							Sq.m	
	Roof cover	1.00	14.00	14.00	6.60		92.40		
				Total UPVC sheet			92.40	Sq.m	
14.2	UPVC ridge cover							Rm	
	Roof cover	1.00	6.60	6.60			6.60		
				Total ridge cover			6.60	Rm	
15	ROOF TRUSS								
	Ground Floor (Roof cover)								
	6" SHS Post	8.00	4.60	36.80	22.26		819.16		
	Truss	1.00		1108.80			1108.80		
				Total MS pipe for roof truss			1927.96	Kg	
15	Gi link fence								
	above wall	1.00	33.00	33.00		1.80	59.40		
	gate	1.00	3.00	3.00		2.40	7.20		
				Total Gi link fence			66.60	sqm	

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Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAILED ESTIMATE (Drinking Water Tap)

Sn	Description	No	Measurement				Quantity	Unit	Remarks
			Length	TL	Breadth	Height			
A	CIVIL WORKS								
1	Site Clearance and Layout								
	For water tap	1.00	2.10	2.10	0.50		1.05		
			Total Site Clearance Work				1.05	Sq.m	
2.1	Earthwork in excavation								
	For sink support wall	1	2.10	2.10	0.50	0.83	0.87		
			Total E/W in excavation				0.87	Cum	
2.2	Backfilling								
	Total excavation						0.87		
	Deduction of soling						-0.14		
	Deduction of PCC						-0.09		
	Deduction of BW						-0.37		
			Total backfilling				0.27	Cum	
3	Boulder soling								
	For sink support wall	1	1.95	1.95	0.50	0.15	0.14		
			Total boulder soling work				0.14	Cum	
4	Brickwork								
4.1	1:6 brickwork								
	For sink support wall								
	foundation 1st	1	1.75	1.75	0.45	0.30	0.23		
	foundation 2nd	1	1.60	1.60	0.30	0.30	0.14		
	above plinth	1	1.60	1.60	0.30	1.15	0.55		
			Total 1:6 brick work				0.92	Cum	
5	CONCRETING WORKS								
5.1	M10 (1:3:6)							cum	
	For sink support wall	1	1.95	1.95	0.50	0.10	0.09		
			Total 1:3:6 PCC				0.09	Cum	
5.2	M20 (1:1.5:3)							Cum	
	Sink slab	1	1.60	1.60	0.90	0.12	0.17		
	Cover slab	1	1.60	1.60	0.12	0.12	0.02		
			Total (M20) RCC				0.19	Cum	
6	Formwork								

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DETAILED ESTIMATE (Drinking Water Tap)

Sn	Description	No	Measurement				Quantity	Unit	Remarks
			Length	TL	Breadth	Height			
	Sink slab	1	1.60	1.60	0.60		0.96		
	Sides	1	5.00	5.00		0.12	0.60		
	Sides of cover slab	1	2.80	2.80		0.12	0.33		
			Total formwork				1.89	Sqm	
7	REINFORCEMENT								
	Reinforcement(1.5%)	1.50			0.19		22.37		
			Total reinforcement work				22.37	Kg	
8	PLASTERING/PUNNING WORKS								
8.1	12.50 mm thick Cement sand plaster (1:4) work in ceiling surfaces of good finish.							sqm	
	Water tap								
	Slab underside	1	2.10	2.10	1.50		3.15		
			Total plaster				3.15	Sqm	

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Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAILED ESTIMATE (Underground Water tank 50 cum)

Sn	Description	No	Length	Breadth	Height	Quantity	Unit	Remarks
0	Site clearance and layout						Sqm	
	Water tank	1	7.450	5.450		40.600		
			Total site clearance			40.600	Sqm	
1	EARTH WORKS IN CUTTING AND FILLING							
	Foundation of Water tank	1	7.450	5.450	3.240	131.550		
			Total E/W in excavation			131.550	Cum	
2	Stone soling						Cum	
	On base of Water tank	1	7.150	5.150	0.150	5.520		
			Total Stone soling work			5.520	Cum	
5	CONCRETING WORKS							
5.1	P.C.C (1:3:6) Works						Cum	
	On base of Water tank	1	7.150	5.150	0.100	3.680		
			Total 1:3:6 PCC			3.680	Cum	
5.3	P.C.C. FOR R.C.C. WORKS						Cum	
	Water tank foundation	1	7.150	5.150	0.350	12.890		
	Water tank wall	1	21.100	0.750	2.640	41.780		
	Water tank cover	1	6.550	4.550	0.150	4.470		
			Total (M20) RCC			59.140	Cum	
6	FORMWORK						Sqm	
	Water tank							
	Water tank foundation	1	24.600		0.350	8.610		
	Water tank wall	1	42.200		2.640	111.408		
	Cover slab	1	6.550	4.550		29.803		
	Sides	1	22.200		0.150	3.330		
			Total formwork			153.151	Sqm	
7	REINFORCEMENT							
	Beam,column,slab (1.5%)	1.5	59.140			6963.740		
						6963.740	Kg	
8	PLASTERING/PUNNING WORKS							
8.2	12.50 mm thick Cement sand plaster (1:4) work on walls surfaces of good finish						sqm	
	Water tank							
	Inside wall	1	20.000		2.500	50.000		
			Total plaster			50.000	Sqm	
8.3	38 mm screeding and punning						Sqm	
	Water tank							
	Base floor	1	6.000	4.000		24.000		
			Total plaster			24.000	Sqm	

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DETAILED ESTIMATE (Underground Water tank 50 cum)

Sn	Description	No	Length	Breadth	Height	Quantity	Unit	Remarks
8.4	3mm.th. C.S. punning(1:1) on floor, dado and skirting etc. as per specification and direction complete work.						Sqm	
	Water tank							
	Inside wall	1	20.000		2.500	50.000		
			Total punning			50.000	Sqm	
8.4	Waterproofing						Sqm	
	base and wal							
	base	1	6.000		4.000	24.000		
	Inside wall	1	20.000		2.500	50.000		
			Total punning			74.000	Sqm	

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Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism Park in Ghodaghodi Municipality

Location :- Sukhad, Kailali

DETAILED ESTIMATE (Overhead Water tank)

S.N.	Description	No	Length	Total length	Breadth	Height	Quantity	Remarks
	No of overhead tanks	1						
1	Site clearance and layout	1	Area =	2.14			2.14	sq.m
2	Earthwork Excavation	6	Area =	2.25		1.5	20.25	cum
3	Stone soling	6	Area =	1.69		0.15	1.52	cum
4	M10 (1:3:6)	6	Area =	1.69		0.075	0.76	cum
5	M20 (1:1.5:3)							
	foundation	6	Area =	1.69		0.45	4.56	
	column pedestal	6	Area =	0.09		1.125	0.61	
						Total=	5.17	cum
5	Formwork							
	foundation	6	Area =	5.20		0.45	14.04	
	column pedestal	6	Area =	1.20		1.125	8.10	
						Total=	22.14	sq
5	Rebar							
	reinforcement 1.5%	1.5	volume	5.17		7850	608.77	
						Total=	608.77	Kg
5	20 mm plaster							
	post top	6	volume	1.20		0.45	3.24	
						Total=	3.24	sq.m
5	Enamel paint							
	top base	1	Area =	7.55			7.55	
	vertical pipes	1	Length	2.90		7	20.30	
						Total=	27.85	sq.m
						kg/m		
6	20mm Thick Base plate	4	0.04	0.003	0.00048	0.942	0.0004522	Kg
	72mmx72mmx4mm square pipe frame	4	6.3	25.20		7.2	181.44	Kg
	72mmx72mmx4mm square pipe frame	8	1.928	15.42		7.2	111.02	Kg
	40mmx40mmx4mm square pipe frame	4	1.928	7.71		4.25	32.77	Kg
	60mmx5mm angle	16	3.513	56.21		4.5	252.95	Kg
	50mmx50mmx4mm square pipe frame	2	6	12.00		4.71	56.52	
	40mmx3mm angle	30	0.6	18.00		1.8	32.40	
	3 mm thick Metal Plate	1	4.00			94.2	376.80	Kg
	Hinges, tower bolt, aldrops, plates etc.					@ 10% of total weight	104.39	
						Total=	1148.29	Kg

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Sukhad, Kailali

Project : - Preparation of Master Plan and Detailed Project Report of Renovation of Sita Kunda Temple, Community Building and Tourism

Location :- Sukhad, Kailali

DETAILED ESTIMATE (Septic tank, Soak pit, Manhole)

Sn	Description	No	Length	Breadth	Height	Quantity	Unit	Remarks	
1	Site clearance						Cum		
	Foundation of septic tank	1	5.70	2.70		15.39			
	Foundation of soak pit	1	2.12	3.40		7.21			
	Foundation of manhole	6	1.20	1.20		8.64			
			Total site clearance			31.24	sqm		
1	EARTH WORKS IN CUTTING AND FILLING								
	Foundation of septic tank	1	5.70	3.30	2.00	37.62			
	Foundation of soak pit	1	2.67	3.40	3.15	28.60			
	Foundation of manhole	6	1.20	1.20	0.73	6.31			
			Total E/W in excavation			72.53	Cum		
2	Earth filling work for foundation with proper compaction all complete						Cum		
	Backfilling in trenches of septic tank	1	16.60	0.30	2.00	9.96			
	Backfilling in trenches of soak pit	1	10.36	0.20	3.03	6.28			
	Backfilling in trench of manhole	6	2.20	0.15	0.50	0.99			
			Total Earth Filling			17.23	Cum		
3	Boulder soling						Cum		
	On base of septic tank	1	5.40	2.50	0.15	2.03			
	Foundation of soak pit	1	7.85	0.40	0.15	0.47			
	Foundation of manhole	6	1.20	1.20	0.15	1.30			
			Total stone soling work			3.80	Cum		
4	BRICK MASONRY WORKS (1 : 6 c/s) UPTO GF						Cum		
	Septic tank	1	16.00	0.35	1.80	10.08			
	Soak pit	1	8.48	0.35	3.00	8.90			
	Manhole	6	3.08	0.23	0.50	2.13			
			Total 1:6 brickwork			21.11	Cum		
5	CONCRETING WORKS								
5.1	P.C.C (1:3:6) Works						Cum		
	On base of septic tank	1	5.40	2.50	0.10	1.35			
	Foundation of soak pit	1	7.85	0.40	0.08	0.25			
	Foundation of manhole	6	1.20	1.20	0.08	0.69			
			Total 1:3:6 PCC			2.29	Cum		
5.3	P.C.C. FOR R.C.C. WORKS						Cum		
	Septic tank cover	1	5.40	2.50	0.13	1.76			
	Cover slab of soak pit	1	5.72		0.13	0.74			
	Cover of manhole	6	1.00	1.00	0.10	0.60			
			Total (M20) RCC			3.10	Cum		
6	FORMWORK						Sqm		
	Septic tank								
	Cover slab	1	4.70	2.00		9.40			
	Sides	1	15.00		0.13	1.95			
	Soak pit								
	Cover slab	1	4.91			4.91			
	Sides	1	10.36		0.13	1.35			
			Total formwork			17.61	Sqm		
7	REINFORCEMENT								
	Beam,column,slab (1.5%)	1.5	3.10			365.03			
						365.03	Kg		

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DETAILED ESTIMATE (Septic tank, Soak pit, Manhole)

Sn	Description	No	Length	Breadth	Height	Quantity	Unit	Remarks
8	FLOORING							
8.1	38 mm Screeding and punning						sqm	
	Septic tank							
	base	1	5.00	2.00		10.00		
	Manhole							
	base	6	0.54	0.54		1.75		
			Total screeding punning			11.75	Sqm	
9	PLASTERING/PUNNING WORKS							
9.1	12.50 mm thick Cement sand plaster (1:4) work on walls surfaces of good finish						sqm	
	Septic tank							
	Inside wall	1	16.00		1.80	28.80		
	Manhole							
	Inside wall	6	2.16		0.50	6.48		
			Total plaster			35.28	Sqm	
9.4	3mm.th. C.S. punning(1:1) on floor, dado and skirting etc. as per specification and direction complete work.						Sqm	
	as per plaster work					35.28		
			Total punning			35.28	Sqm	

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