

SOS CHILDREN'S VILLAGES NEPAL

PROJECT: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

SUMMARY OF COSTS- CIVIL WORKS			
S. N.	PARTICULARS	AMOUNT (NPR) INCLUSIVE OF VAT	REMARKS
A.0	CIVIL AND ARCHITECTURAL WORKS- BUILDING AND SITE DEVELOPMENT		
A.1	PRELIMINARY WORKS		NPR
A.2	RENOVATION WORKS OF UNDERGROUND WATER TANK (AT FLC)		NPR
A.3	RENOVATION WORKS OF BADMINTON COURT (AT FLC)		NPR
A.4	RENOVATION WORKS OF STONE MASONRY WALL FOR SUPPORTING PRE-EXISTING WALL (AT FLC)		NPR
A.5	RENOVATION WORKS OF MS RAILING WORKS (AT EDU)		NPR
A.6	RENOVATION WORKS OF DETERIORATING STONE MASONRY BOUNDARY WALL (AT FLC)		NPR
A.7	RENOVATION WORKS OF FASCIA (AT FLC)		NPR
A.8	RENOVATION WORKS AT FLOORING (LIBRARY, MUSIC ROOM, OFFICE, COMPUTER LAB) (AT EDU)		NPR
A.9	RENOVATION WORKS OF FALSE CEILING AND CGI ROOFING (AT EDU)		NPR
A.10	RENOVATION WORKS OF CGI SHEET ROOFING AND GUTTER OF BOYS' HOSTEL (AT EET)		NPR
A.11	RENOVATION WORKS OF TILE WORKS AT KITCHEN FLOOR (AT EET)		NPR
A.12	RENOVATION WORKS OF ROOF (AT EET)		NPR
A.13	REPLACEMENT OF SANITARY AMENITIES AND DOOR SHUTTER AT BOYS' HOSTEL (AT EET)		NPR
A.14	WATERPROOFING WORKS AT PANTRY (AT EDU)		NPR
A.15	WATERPROOFING WORKS AT HIGH SCHOOL BUILDING (AT EDU)		NPR
A.16	MISCELLANEOUS WORKS AT FAMILY HOUSES (AT FLC)		NPR
A.17	TOTAL OF CIVIL AND ARCHITECTURAL WORKS- BUILDING		NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.1 PRELIMINARY WORKS							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	PROVISIONAL SUM						
	INSURANCE						
1.1	Insurance of works covering all risk, materials, workers and third parties liabilities covering for entire period of construction plus defects liability period as per GCC clause No. 19. (Payment Shall be made in Actual Basis.)	1.00	P.S.				
2.0	MOBILIZATION AND DEMOBILIZATION						
2.1	Generally in construction projects, this implies- "Mobilization of the construction by constructing temporary accommodation for labours and site staff with required suitable facilities and keeping the same in good hygienic condition for entire project completion time; demolition of the same and cleaning the site after completion of the construction activities all complete". However, constructing temporary accommodation for manpower within the SOS CV premises is against the policies of SOS Children's Villages; hence, under this item, the Contractor shall quote an amount, deemed in his analysis, suitable and reasonably sufficient for covering the expense of temporary accommodation of labours and site staff (outside the SOS CV premises), over the entire project completion time. [Note: 50% payment shall be made after completion of mobilization and remaining 50% after completion of works as per contract]	1.00	L.S.				
3.0	PROJECT INFORMATION BOARD						
3.1	Providing and Fixing of Project Information board with approved Text in appropriate location including all required fixing accessories, as per drawing all complete.	1.00	L.S.				
4.0	SAFETY SIGN BOARD						
4.1	Providing and Fixing of Safety Sign Board with approved Text and Signage including required fixing accessories, as per drawing all complete.	1.00	L.S.				
5.0	BARRICADING WORKS						

5.1	Barricading between the Village area and Construction area with 1.8 m high CGI Sheet fixed to Bamboo support frame, as and where required, all complete as per instruction of Engineer.	300.00	R.M.				
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6.0	SAFETY MATERIALS AND SITE SAFETY						
6.1	Providing and Maintaining Construction Safety Measures in Construction Site with proper Safety measures to person and work area (Helmet, Shoes, First Aid Kit, Clothing, Glove, Guard Rail for edge protection, Safety Net, Safety rope, Fall Protection etc.). The number of Safety Materials Personal Protecting Equipments (PPE) shall be minimum but not limited to 40 sets. [Note: 50% payment shall be made after completion of mobilization and remaining 50% after completion of works as per contract]	1.00	L.S.				
TOTAL AMOUNT							NPR
ADD VAT 13%							NPR
TOTAL AMOUNT INCLUDING VAT							NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.2 UNDERGROUND WATER TANK							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS						
	Demolition of existing RCC works safely, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.						
1.1	DISMANTLING OF RCC WORKS AND CHIPPING ON EXISTING 9" THICK BRICKWORKS	120.25	CU.FT.				
2.0	FORMWORKS						
	Supplying and Fixing in position, centering, shuttering of various pattern formworks with 19/12 mm thick water proof ply wood with 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.	574.38	SQ.FT.				
3.0	PCC FOR RCC WORKS (1:1.5:3)						

	<p>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.</p>	480.59	CU.FT.				
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4.0	STEEL REINFORCEMENT WORKS					
	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 lapping for the bar length exceeding 10 meter in length shall be measured for the payment, except to column).	2,807.01	KG			
5.0	SILICA CEMENT ADMIXTURE					
	Providing and mixing Silica Cement Admixture of in structural concrete at the rate of 2.50% by weight of the cement for promoting workability, improving strength, achieving waterproofing properties, bleeding prevention, etc. Silica Cement Admixture shall be the product of Silica Japan or superior.	136.22	KG			
6.0	WATER PROOFING BY MEMBRANE SHEET					
	Supply and placing of high quality water proof membrane sheet (EPDM) of thickness 1.5mm with Tensile strength not less than 7MPa, Elongation at break not less than 350%, able to withstand temperature range -15°C to 100°C, meet or exceed ASTM D4637 for UV and ozone resistance, with proper installment and seam treatment to prevent any potential leakage, seam joined using specialized adhesives or heat-welding techniques, ballasted or fully adhered installation method, adhesives and primers as recommended by EPDM manufacturer, cleaning, drying the RCC surface and making it free of any sharp protrusions or contaminants, with overlap dimensions and seam treatments as per the manufacturer's guidelines, all work complete as per instruction of the Engineer.	638.33	SQ.FT.			

7.0	PLASTER WORKS (1:3) AND 3MM TH. NEAT CEMENT PUNNING WORKS					
	12.5.mm thick cement and sand plaster work of mix 1:4 (1 cement & 4 sand) in concrete surface, ceiling surface at all height including mixing mortar, laying in perfect line, level and plumb and finishing in regular and even surface including all necessary single or multi-stage scaffolding, providing and fixing 200 mm wide 24 gauge GI Chicken wire mesh at junction of R.C.C. and masonry, making grooves and recesses, throating, dusting, dripping, wetting, curing, protection, etc. all complete as per drawing , specification and instruction. [Rate shall also include for providing drips band, moulds, groove, chicken wire mesh at junction of RCC and masonry, etc., to complete the works at any heights. Neat cement punning, 3mm thick, shall be applied to the green/freshly plastered surface, all complete, as per the instructions of the Engineer.	638.33	SQ.FT.			
8.0	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION					
	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	1.00	TRIP			
		TOTAL AMOUNT				NPR
		ADD 13% VAT				NPR
		TOTAL AMOUNT INCLUDING 13% VAT				NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.3 BADMINTON COURT							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS						
	Demolition of existing screeding punning safely, hauling the rubble to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.						
1.1	DISMANTLING OF EXISTING SCREEDING PUNNING WORKS	162.44	CU.FT.				
2.0	HARDENED CEMENT CONCRETE FLOOR						
	Providing, laying in required line, level and pattern 40 mm thick IPS floor finish with cement concrete of mix 1:2:4 (1 cement : 2 sand : 4 crushed stone aggregate 12 mm and down grade) laid in alternate panel or providing Glass dividing strips and finished with approved floor hardener (Dreitop FH of equivalent floor hardener) applied as per manufacturer's instructions including mixing laying in required slope, intrigal finishing using appropriate power trowelling equipment, etc. all complete as per drawing, specification and instructions of the Engineer. Before commencing hardened cement concrete flooring, checking of proper compaction of stone soling below shall be ensured, with compact sections left as they are while comparatively looser soling shall be re-done and proper compaction ensured.	955.50	SQ.FT.				
3.0	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION						
	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	2.00	TRIPS				
TOTAL AMOUNT							NPR
ADD VAT 13%							NPR
TOTAL AMOUNT INCLUDING VAT							NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.4 STONE MASONRY WORKS							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	EXCAVATION WORKS						
	Excavation (manually) in foundations in hard clay/soft stone for foundation, trenches, footing, pits etc. with a haulage distance of 10m and upto the required depth (maximum 1.5m) including dewatering by manual means 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/stone to outside the construction premises, etc. all complete as per drawings, specifications and instructions of the Engineer.	20.25	CU.FT.				
2.0	150MM TH. STONE SOLING						
	Providing and laying uncoursed hand packed Dry Rubble Stone soling in foundation, under floor plinth 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.	6.75	CU.FT.				
3.0	75MM TH. PCC (1:3:6)						
	Providing and laying machine mixed Plain Cement Concrete of nominal mix 1:3:6 (1 cement : 3 sand : 6 coarse aggregate) for leveling course in foundations of retaining wall, etc. in all level with broken stone aggregate of size 20mm and 40 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.	3.38	CU.FT.				

4.0	STONE MASONRY WORKS (1:5)					
	Providing and laying Random Rubble stone masonry works in foundation and above plinth for Retaining Wall in 1:5 (1 cement : 5 sand) cement mortar including providing through/bond stone at required interval, single or multi-stage self standing scaffolding, curing, protection, etc., all complete as per drawings, specifications and instruction of the engineer.	53.86	CU.FT.			
5.0	POINTING WORKS (1:1 C:S)					
	Providing and applying at all levels flush ruled Pointing Works in Cement Mortar 1:1 (1 cement: 1 fine sand) on the face of stone masonry wall including mixing mortar, laying in perfect line, level and plumb and finishing in regular and even surface ,all complete as per drawing , specification and instruction of the Engineer.	92.07	SQ.FT.			
TOTAL AMOUNT						NPR
ADD VAT 13%						NPR
TOTAL AMOUNT INCLUDING VAT						NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.5 MS RAILING WORKS							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	EXCAVATION WORKS						
	Excavation (manually) in foundations in hard clay/soft stone for foundation, trenches, footing, pits etc. with a haulage distance of 10m and upto the required depth (maximum 1.5m) including dewatering by manual means 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/stone to outside the construction premises, etc. all complete as per drawings, specifications and instructions of the Engineer.	437.50	CU.FT.				
2.0	BACKFILLING WORKS						
	Back filling in foundation and sides of foundation with approved soil brought from outside in layer not exceeding 15 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.	288.75	CU.FT.				
3.0	150MM TH. STONE SOLING						
	Providing and laying uncoursed hand packed Dry Rubble Stone soling in foundation, under floor plinth 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.	75.00	CU.FT.				

4.0	75MM TH. PCC (1:3:6)					
	Providing and laying machine mixed Plain Cement Concrete of nominal mix 1:3:6 (1 cement : 3 sand : 6 coarse aggregate) for leveling course in foundations of retaining wall, etc. in all level with broken stone aggregate of size 20mm and 40 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.	25.00	CU.FT.			
5.0	GI WORKS					
	Providing and installing GI sections to act as as barricading, with 1.5" Ø Circular GI pipe (Light Duty, 1.5mm or 18 gauge thick), as vertical support at 2 edges and arched from one vertical support to another; 1" Ø Circular GI pipe (Light Duty, 1.5mm or 18 gauge thick), as intermediate vertical support (between 2 vertical supports of 1.5" Ø circular GI pipes), fixed at 5" c/c; and 50mm*2mm GI strip, all three items throughout the drain length of 200 feet, all complete as per drawings, specifications and instruction of the Engineer, excluding painting works.	663.23	KG			
6.0	PAINTING WORKS					
	Providing and applying 2 coats of high-quality exterior-grade acrylic or enamel paint, after application of high quality zinc-rich primer. Works shall also include thorough cleaning of the GI surface so as to make free from any dirt, grease and other contaminants by using a mild detergent, removal of zinc oxide/white rust (if any) using a wire brush, sandpaper or a chemical cleaner and slight roughening of surface (for better paint adhesion) using light sanding, all complete, as per the instructions of the Engineer.	700.00	SQ.FT.			
TOTAL AMOUNT						NPR
ADD VAT 13%						NPR
TOTAL AMOUNT INCLUDING VAT						NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.6 DEMOLITION AND RE-CONSTRUCTION OF STONE MASONRY WORKS AT BOUNDARY							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS						
	Demolition of existing masonry and PCC works safely, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.						
1.1	DISMANTLING OF MASONRY WORKS WITH CEMENT AS BINDING MATERIAL	654.56	CU.FT.				
1.2	DISMANTLING OF PCC WORKS WITH TIGHTENING/FIXING OF LOOSENEED STONE SOLING	37.50	CU.FT.				
2.0	EXCAVATION WORKS						
	Excavation (manually) in foundations in hard clay/soft stone for foundation, trenches, footing, pits etc. with a haulage distance of 10m and upto the required depth (maximum 1.5m) including dewatering by manual means 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/stone to outside the construction premises, etc. all complete as per drawings, specifications and instructions of the Engineer.	150.00	CU.FT.				
3.0	BACKFILLING WORKS						

	Back filling in foundation and sides of foundation with approved soil brought from outside in layer not exceeding 15 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.	196.69	CU.FT.				
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4.0	75MM TH. PCC WORKS (1:3:6)					
	Providing and laying machine mixed Plain Cement Concrete of nominal mix 1:3:6 (1 cement : 3 sand : 6 coarse aggregate) for leveling course in foundations of retaining wall, etc. in all level with broken stone aggregate of size 20mm and 40 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.	46.88	CU.FT.			
5.0	STONE MASONRY WORKS (1:5)					
	Providing and laying Random Rubble stone masonry works in foundation and above plinth for Retaning Wall in 1:5 (1 cement : 5 sand) cement mortar including providing through/bond stone at required interval, single or multi-stage self standing scaffolding, curing, protection, etc., all complete as per drawings, specifications and instruction of the engineer.	417.19	CU.FT.			
6.0	POINTING WORKS (1:1 C:S)					
	Providing and applying at all levels flush ruled Pointing Works in Cement Mortar 1:1 (1 cement: 1 fine sand) on the face of stone masonry wall including mixing mortar, laying in perfect line, level and plumb and finishing in regular and even surface ,all complete as per drawing , specification and instruction of the Engineer.	900.00	SQ.FT.			
7.0	M15 (1:2:4) ON TOP OF STONE MASONRY					
	Providing and laying in position machine mixed and machine vibrated cement concrete of mix 1:2:4 (1 cement: 2 sand: 4 coarse aggregate) M15 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.	21.94	CU.FT.			
8.0	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION					

	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	9.00	TRIP				
TOTAL AMOUNT							NPR
ADD VAT 13%							NPR
TOTAL AMOUNT INCLUDING VAT							NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.7 DEMOLITION AND RE-CONSTRUCTION OF FASCIA AT A FAMILY HOUSE							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS						
1.1	Dismantling of fascia board, storing it safely, as per the instruction of the location, with a haulage distance of upto 100 metres, for future use as per the requirements of SOS CV Pokhara.	108.24	SQ.FT.				
2.0	INSTALLATION OF (NEW) FASCIA BOARD (SALWOOD)						
	Providing, making and fixing 19mm waterproof plywood fascia board, all accessories, all complete, as per the instructions of the Engineer.	164.00	R.FT.				
3.0	PAINTING WORKS						
	Two coats ready made enamel paints over one coat of primer in fascia board, including preparing the surface, sand papering, all complete, as per the instructions of the Engineer.	272.24	SQ.FT.				
TOTAL AMOUNT							NPR
ADD VAT 13%							NPR
TOTAL AMOUNT INCLUDING VAT							NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.8 DEMOLITION AND RE-CONSTRUCTION OF FLOORING WORKS AT PRIMARY SECTION							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS						
	Demolition of existing PCC works safely, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.						
1.1	Dismantling of PCC works with cement as binding material and also tightening/compacting of any loose stone soling	352.00	CU.FT.				
2.0	75MM TH. PCC WORKS (1:3:6)						
	Providing and laying machine mixed Plain Cement Concrete of nominal mix 1:3:6 (1 cement : 3 sand : 6 coarse aggregate) for leveling course in foundations of retaining wall, etc. in all level with broken stone aggregate of size 20mm and 40 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.	352.00	CU.FT.				
3.0	HARDENED CEMENT CONCRETE FLOOR WITH 3MM NEAT CEMENT PUNNING						
	Providing, laying in required line, level and pattern 40 mm thick IPS floor finish with cement concrete of mix 1:2:4 (1 cement : 2 sand : 4 crushed stone aggregate 12 mm and down grade) laid in alternate panel or providing Glass dividing strips and finished with approved floor hardener (Dreitop FH of equivalent floor hardener) applied as per manufacturer's instructions including mixing laying in required slope, intrigal finishing using appropriate power trowelling equipment, also, neat cement punning of 3mm thickness to be applied on top of greedn/fresh hardened cement concrete, etc. all complete as per drawing, specification and instructions of the Engineer.	1,265.50	R.FT.				

4.0	TILE WORKS					
	3mm glazed non-slip tile flooring on kitchen floor of brand Kazaria, Somany or equivalent, applied as per manufacturer's instructions including mixing, laying in required proportions and slope, finishing using appropriate power trowelling equipment, etc., all complete as per the drawing, specification and instructions of the Engineer.					
4.1	Tile on floor	142.50	SQ.FT.			
4.2	Tile Skirting- 150mm high	46.00	R.FT.			
5.0	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION					
	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	5.00	TRIP			
6.0	MISCELLANEOUS					
6.1	Cutting/trimming/grinding of door shutters, due to increased height of new floor level, including sanding, grinding, re-painting, finishing, all complete, as per the instructions of the Engineer.	20.00	R.FT.			
TOTAL AMOUNT						NPR
ADD VAT 13%						NPR
TOTAL AMOUNT INCLUDING VAT						NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.9 DEMOLITION AND RE-CONSTRUCTION OF ROOFING WORKS AT KINDERGARTEN							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS						
	Demolition of existing CGI sheets and plywood False Ceiling works safely, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.						
1.1	Dismantling of CGI Sheet	2,701.00	SQ.FT.				
1.2	Dismantling of plywood False Ceiling	2,044.00	SQ.FT.				
2.0	ROOFING WORKS						
2.1	CGI SHEET ROOFING						
	Providing & fixing pre-coated galvanized iron profile Terracota colour sheets (size, shape and pitch of corrugation as approved by Engineer) 0.52 mm (heavy) +/- 5% total coated thickness (TCT), Base Material Thickness (BMT) of 0.50 mm, Zinc coating 120gsm as per IS: 277 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length up to 6 meter or as desired by Engineer. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal etc., all complete up to any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	2,701.00	SQ.FT.				

2.2	CGI SHEET ROOFING RIDGE					
	Providing & laying prefinished plain (colour matching to roofing sheet) CGI Sheet Ridge Cover of 0.52 mm +/- 5% total coated thickness (TCT), Base Material Thickness (BMT) of 0.50 mm (Coating and Primer as above) over ridge with all required fixing accessories like self tapping screw, clips, clamps, washer etc., total width 4'-0", all complete on building floors as per design, drawing, specifications instructions of the Engineer.	73.00	R.FT.			
2.3	GI FASCIA (EAVES)					
	Providing, fabrication to required size and shape and fixing in position 1.2 mm thick GI folded plates of size shown in drawing including the cost fixing brackets, flats, screws, painting with enamel with Zinc Rich Primer, required scaffolding to work at any height, etc., all complete as per design, drawing, specifications instructions of the Engineer.	173.75	KG			
2.4	GUTTER					
	Providing, fabricating and installing 0.5mm thick sheet gutter of size 200mm*200mm, including all works, all complete, as per design, specifications and instructions of the Engineer.	146.00	R.FT.			
3	PLUMBING CONNECTIONS SET FOR DISCHARGING RAINWATER THROUGH GUTTER TO NEAREST SOAK PIT					
3.1	Set of plumbing set required for discharging rainwater through the gutter to nearest manhole at a distance of 80m, including 160mm UPVC pipe 6kg/cm ² , (Panchakanya or equivalent), with required numbers of Tees, elbows, unions (Nepatop or equivalent), glue, etc, all completes, as per the instructions if the Engineer.	1.00	SET			
4	EXCAVATION WORKS					

4.1	Excavation (manually) in foundations in hard clay/soft stone for foundation, trenches, footing, pits etc. with a haulage distance of 10m and upto the required depth (maximum 1.5m) including dewatering by manual means 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/stone to outside the construction premises, etc. all complete as per drawings, specifications and instructions of the Engineer.	1,279.20	CU.FT.				
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5	150MM STONE SOLING WORKS					
5.1	Providing and laying uncoursed hand packed Dry Rubble Stone soling in foundation, under floor plinth 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.	196.80	SQ.FT.			
6	BACKFILLING WORKS					
6.1	Back filling in foundation and sides of foundation with approved soil brought from outside in layer not exceeding 15 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.	1,058.57	CU.FT.			
7	FALSE CEILING WORKS					
7.1	Providing and fixing at all height 6 mm thick Cement Board false ceiling, including providing and fixing of frame work made of special sections power pressed from MS sheet Galvanized with zinc coating and consisting angle hanger of 25x25x0.55 of required length at 1250mm c/c fixed to purlins with nut ans bolts and other end of angle hanger being fixed with nut and bolts to GI main channel 45x18x0.6 running at the rate of 900mm c/c to which ceiling section 0.55mm thick bottom wedge of 45mm with tapered flanges of 26mm each having clips of 2.3mm at 613mm with ceiling section and perimeter channels of 0.5mm thick 25mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help of raw plugs at 450mm c/c with finished 25mm long drive all screws @ 230mm interval, jointing and fixing to in required pattern, finished with recommended filler, making openings for light fittings, access panel, cutouts made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction of the Engineer but excluding the cost of painting.	2,044.00	SQ.FT.			
8	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION					

8.1	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	5.00	TRIP			
				TOTAL AMOUNT		NPR
				ADD VAT 13%		NPR
				TOTAL AMOUNT INCLUDING VAT		NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.10 DEMOLITION AND RE-CONSTRUCTION OF CGI SHEET AND GUTTER AT BOYS' HOSTEL							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS						
	Demolition of existing CGI sheets works safely, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.						
1.1	Dismantling of CGI Sheet	360.00	SQ.FT.				
2.0	ROOFING WORKS						
2.1	CGI SHEET ROOFING						
	Providing & fixing pre-coated galvanized iron profile Terracota colour sheets (size, shape and pitch of corrugation as approved by Engineer) 0.52 mm +/- 5% total coated thickness (TCT), Base Material Thickness (BMT) of 0.50 mm, Zinc coating 120gsm as per IS: 277 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length up to 6 meter or as desired by Engineer. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal etc., all complete up to any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	360.00	SQ.FT.				
2.2	GUTTER						
	Providing, fabricating and installing 0.5mm thick sheet gutter of size 200mm*200mm, including all works, all complete, as per design, specifications and instructions of the Engineer.	180.00	R.FT.				
3.0	PLUMBING CONNECTIONS SET FOR DISCHARGING RAINWATER THROUGH GUTTER TO FLOOR BELOW						
3.1	From Gutter on two sides to floor below. including 160mm PVC pipe 6kg/cm ² of total length 40'-0", (Panchakanya or equivalent), with Tees, elbows, unions, (Nepatop or equivalent), glue, etc. for 20 number of bends, all completes, as per the instructions if the Engineer.	1.00	SET				

4.0	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION						
4.1	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	1.00	TRIP				
TOTAL AMOUNT							NPR
ADD VAT 13%							NPR
TOTAL AMOUNT INCLUDING VAT							NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.11 TILE WORKS AT KITCHEN							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS						
	Demolition of existing screeding and punning works safely, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.						
1.1	Dismantling of PCC (1:3:6)	80.75	CU.FT.				
2.0	75MM TH. PCC WORKS (1:3:6)						
	Providing and laying machine mixed Plain Cement Concrete of nominal mix 1:3:6 (1 cement : 3 sand : 6 coarse aggregate) for leveling course in foundations of retaining wall, etc. in all level with broken stone aggregate of size 20mm and 40 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.	80.75	CU.FT.				
3.0	FLOORING WORKS						
3.1	TILE WORKS						
	3mm glazed non-slip tile flooring on kitchen floor of brand Kazaria, Somany or						
3.1.1	Tile on floor	323.00	SQ.FT.				
3.1.2	Tile skirting- 150mm high	72.00	R.FT.				
4.0	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION						
4.1	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	1.00	SET				
TOTAL AMOUNT							NPR
ADD VAT 13%							NPR

TOTAL AMOUNT INCLUDING VAT			NPR
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Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.12 DEMOLITION AND RE-CONSTRUCTION OF DIRECTOR'S QUARTER AT EET							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS						
	Demolition of existing CGI sheets and plywood False Ceiling works safely, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.						
1.1	Dismantling of CGI Sheet	330.00	SQ.FT.				
1.2	Dismantling of plywood False Ceiling	181.25	SQ.FT.				
2.0	ROOFING WORKS						
2.1	CGI SHEET ROOFING						
	Providing & fixing pre-coated galvanized iron profile Terracota colour sheets (size, shape and pitch of corrugation as approved by Engineer) 0.52 mm +/- 5% total coated thickness (TCT), Base Material Thickness (BMT) of 0.50 mm, Zinc coating 120gsm as per IS: 277 , 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length up to 6 meter or as desired by Engineer. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal etc., all complete up to any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	330.00	SQ.FT.				
3	FALSE CEILING WORKS						

3.1	Providing and fixing at all height 6 mm thick Cement Board false ceiling, including providing and fixing of frame work made of special sections power pressed from MS sheet Galvanized with zinc coating and consisting angle hanger of 25x25x0.55 of required length at 1250mm c/c fixed to purlins with nut ans bolts and other end of angle hanger being fixed with nut and bolts to GI main channel 45x18x0.6 running at the rate of 900mm c/c to which ceiling section 0.55mm thick bottom wedge of 45mm with tapered flanges of 26mm each having clips of 2.3mm at 613mm with ceiling section and perimeter channels of 0.5mm thick 25mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help of raw plugs at 450mm c/c with finished 25mm long drive all screws @ 230mm interval, jointing and fixing to in required pattern, finished with recommended filler, making openings for light fittings, access panel, cutouts made with frame of perimeter channels suitably fixed, including the cost of painting, all complete as per drawing and specification and direction of the Engineer.	181.25	SQ.FT.				
4	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION						
4.1	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	1.00	TRIP				
TOTAL AMOUNT							NPR
ADD VAT 13%							NPR
TOTAL AMOUNT INCLUDING VAT							NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.13 REPLACEMENT OF SANITARY AMENITIES AND DOOR SHUTTER AT EET							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS						
	Demolition of existing Toilet Pan, Toilet Commode and Toilet Door Shutter works safely, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.						
1.1	Dismantling of Toilet Pan	5.00	NO.				
1.2	Dismantling of Toilet Commode	1.00	NO.				
1.3	Dismantling of Toilet Door Shutter	4.00	NO.				
2.0	SUPPLY AND INSTALLATION WORKS						
2.1	Toilet Pan (Hindware, Parryware or equivalent)						
	White glazed earthenware 580x480mm Orissa Pan (without flush) complete with testing and ready for operation	5.00	NO.				
2.2	Toilet Commode (Hindware, Parryware or equivalent)						
	White glazed earthenware Indian Pattern Water Closet set with standard bakelite seat cover, PVC low level flushing cistern with flush pipe and cistern accessories, bracket, CP angular cock, PVC connector pipe complete with testing and ready for operation	1.00	NO.				
2.3	Toilet Door Shutter (Salwood)						
	Providing, supplying and fixing 38mm Salwood flush shutter of length 6'-0", breadth 2'-3" with Aluminium tower bolt 150mm- 1 no., 100mm long iron hinges- 3 no.s, all complete as per the manufacturer's recommendations and as approved by the Engineer.	54.00	SQ.FT.				
3	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION						
3.1	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	1.00	TRIP				
TOTAL AMOUNT							NPR
ADD VAT 13%							NPR
TOTAL AMOUNT INCLUDING VAT							NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.14 WATERPROOFING WORKS AT PANTRY							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS						
	Demolition of existing Sanitary/Plumbing and Electric Connections, Plaster and Paint works, PCC works, RCC works and Brick Masonry works safely (also storing the sanitary/plumbing connections safely for future re-installing), hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.						
1.1	DISMANTLING OF SANITARY/PLUMBING AND ELECTRIC CONNECTIONS- (O/H Water tank- 1no., related pipelines and fittings, water geaser- 1 no. and related pipelines and fittings), storing in a safe place as per the instructions of SOS CV Pokhara authority, (to be re-installed later, re-installation cost to be included here, and the responsibility for repairing/replacing of any sanitary/plumbing items damaged during dismantling or re-installation is to be fully borne by the Contractor), all complete with testing and ready for operation, as per the instructions of the Engineer.	1.00	SET				
1.2	DISMANTLING OF PLASTER AND PAINT WORKS	698.74	SQ.FT.				
1.3	DISMANTLING OF PCC WORKS	48.70	CU.FT.				
1.4	DISMANTLING OF RCC WORKS	26.40	CU.FT.				
1.5	DISMANTLING OF BRICK MASONRY WORKS WITH CEMENT AS BINDING MATERIAL	9.90	CU.FT.				

2.0 WATER PROOFING BY MEMBRANE SHEET						
Supply and placing of high quality water proof membrane sheet (EPDM) of thickness 1.5mm with Tensile strength not less than 7MPa, Elongation at break not less than 350%, able to withstand temperature range -15°C to 100°C, meet or exceed ASTM D4637 for UV and ozone resistance, with proper installment and seam treatment to prevent any potential leakage, seam joined using specialized adhesives or heat-welding techniques, ballasted or fully adhered installation method, adhesives and primers as recommended by EPDM manufacturer, cleaning, drying the RCC surface and making it free of any sharp protrusions or contaminants, with overlap dimensions and seam treatments as per the manufacturer's guidelines, all work complete as per instruction of the Engineer.	870.49	SQ.FT.				
3.0 HARDENED CEMENT CONCRETE FLOOR WITH NEAT CEMENT PUNNING						
Providing, laying in required line,level and pattern 40 mm thick IPS floor finish with cement concrete of mix 1:2:4 (1 cement : 2 sand : 4 crushed stone aggregate 12 mm and downgrade) laid in alternate panel or providing Glass dividing strips and finished with approved floor hardener (Dreitop FH of equivalent floor hardener) applied as per manufacturer's instructions including mixing laying in required slope, intrigal finishing using appropriate power trowelling equipment, etc., also, topped up by neat cement punning 3mm thick while the hardened cement concrete is green (fresh), all complete as per drawing, specification and instructions of the Engineer.	171.75	SQ.FT.				
4.0 HALF BRICKWORKS (1:4)						

	Providing and laying non-fairfaced half brick work masonry in cement mortar 1:4 (1 cement:4 sand) in superstructure with approved first class fired bricks in perfect line & level, required size and shape at any height and level, including the cost of single or multi stage scaffolding, cleaning, soaking of the bricks, packing of the joints, raking joints, provision for recesses, openings, curing, providing 25x3mm GI Straps Fixed to columns at every 5th course of brick and 60mm width 14 gauge welded GI mesh anchored to GI strap, all complete as per design, drawing, specifications instructions of the Engineer.	20.00	SQ.FT.				
5.0	PCC FOR RCC WORKS (1:1.5:3)						
	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.	8.39	CU.FT.				
6.0	STEEL REINFORCEMENT WORKS						

	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).	48.99	KG				
7.0	FORMWORKS						
	Supplying and laying centering, shuttering of various pattern formworks with 19/12 mm 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.	39.13	SQ.FT.				
8.0	PLASTER WORKS (1:6) AND 3MM NEAT CEMENT PUNNING						

	Providing and applying at all levels and shape 20 mm thick cement plaster in building exterior as well as interior in specified cement mortar with 1:6 (1 cement :6fine sand) in all surface at all height including mixing mortar, laying in perfectline, level and plumb and finishing in regular and even surface including all necessary single or multi-stage scaffolding, making grooves and recesses, throating, dusting, dripping, wetting, curing, protection, providing chicken wire mesh at the junction of concrete and masonry etc., all complete as per drawing , specification and instruction ofthe Engineer. [Rate shallalso include for providing drips band, moulds, groove, chicken wire mesh at junction of RCC and masonry, etc., to complete the works at any heights.	1,853.81	SQ.FT.				
9.0	TWO LAYER MACHINE MADE FIRST CLASS BRICK CORBELING						
	Providing and laying two layer machine made first class brick corbelling around the building at parapet level (10'-0") in 1:5 cement sand mortar, (after complete installation of membrane sheet and before performing Screeding Punning), with a projection length of one-third towards the outside, on a downward outward slope of 1:10, as per the instructions of the Engineer.	40.00	R.FT.				
10.0	PAINT WORKS						
10.1	WEATHERCOAT PAINT						
	Providing and applying two or more coats of first quality hundred percent acrylic paint of approved shade and pattern to the exterior walls of buildings etc., The rates shall include for scrapping , washing the surface with water, applying a coat of approved quality water base cement primer, surface preparation, scaffolding etc., all complete as per the manufacturer's recommendations and as approved by the Engineer.	382.00	SQ.FT.				

10.2	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.	1,307.41	SQ.FT.				
11.0	MARBLE LAYING						
	Providing and installing 16mm thick marble over 20mm thick cement mortar (1:2), including scrubbing, polishing using oxalic acid, wax polish, tarpentine oil, carborendam stone, etc. all complete as per drawings, specifications and instruction of the Engineer.	29.00	SQ.FT.				
12.0	WOODEN DRAWER						
12.1	Kitchen Slab counter	30.00	SQ.FT.				
13.0	KITCHEN SS SINK						
13.1	Supplying and installing 1 no. of Kitchen SS Sink (heavy), with all required sanitary and plumbing connections waste pipe, flexible tap, glue, water tape, etc, all complete, tested and ready for use, as per the instructions if the Engineer.	1.00	SET				
14.0	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION						
14.1	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	2.00	TRIP				
		TOTAL AMOUNT					NPR
		ADD 13% VAT					NPR
		TOTAL AMOUNT INCLUDING 13% VAT					NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.15 WATERPROOFING WORKS AT GHARIPATAN							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
A.0	<u>WATER PROOFING WORKS ON SCHOOL BUILDING (TERRACE)</u>						
A.1	DISMANTLING WORKS						
A.1.1	Demolition of existing flooring works like Tile works, Screeding Punning works, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.	680.00	CU.FT.				
A.1.2	Dismantling of sanitary/plumbing works including but not limited to pipelines, elbows, connections, as and where required, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres (to be re-installed later, re-installation cost to be included here, and the responsibility for repairing/replacing of any sanitary/plumbing items damaged during dismantling or re-installation is to be fully borne by the Contractor), at terrace of main building, all complete, as per the instructions of the Engineer.	1.00	L.S.				
A.2	WATERPROOF FILLET CORNERING						
A.2.1	Surface should be clean, dry and free from dust, dirt or losse materials, if required, roughened/chiselled or treated with a primer; Polyurethane or higher specialized waterproofing compunds mixed according to manufacturer's instructions, using a trowel, applied to the corner creating a smooth, rounded transition with the radius 50mm, after which, waterproofing by membrane sheet is to be applied over the fillet. All edged and joints should of the fillet is to be properly sealed and integrated into the waterproofing system, with curing as per the manufacturer's recommendation.	260.00	R.FT.				

A.3	APPLICATION OF WATERPROOF MEMBRANE SHEET						
A.3.1	Chipping on exposed RCC; Surface preparation to the marked area; Application of Affix and Modified Styrene Butadiene Latex Coating around the corners and in prescribed area; Setting of PMM/Holder around the corners; Laying of paste of Modified Styrene Butadiene Latex+ Affix+ Resin-coated Sheet Glue and Universal Solvent in prescribed ratio; Parallely laying of Resin/Fibre-Coat composed of Asphaltenes, Resins, Cyclic Compunds and Saturate Membrane Sheet on the paste such that it gets proper attachment/bonding.	4,000.00	SQ.FT.				
A.4	HARDENED CEMENT CONCRETE FLOOR WITH NEAT CEMENT PUNNING						
A.4.1	Providing, laying in required line,level and pattern 40 mm thick IPS floor finish with cement concrete of mix 1:2:4 (1 cement : 2 sand : 4 crushed stone aggregate 12 mm and downgrade) laid in alternate panel or providing Glass dividing strips and finished with approved floor hardener (Dreitop FH of equivalent floor hardener) applied as per manufacturer's instructions including mixing laying in required slope, intrigal finishing using appropriate power trowelling equipment, etc., also, topped up by neat cement punning 3mm thick while the hardened cement concrete is green (fresh), all complete as per drawing, specification and instructions of the Engineer.	4,000.00	SQ.FT.				
A.5	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION						
A.5.1	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	3.00	TRIP				
TOTAL AMOUNT							NPR
ADD 13% VAT							NPR
TOTAL AMOUNT INCLUDING 13% VAT							NPR
B.0	WATER PROOFING WORKS ON GIRLS' HOSTEL (BATHROOM AT FIRST FLOOR)						
B.1	DISMANTLING WORKS						
B.1.1	Demolition of existing flooring works like Tile works, Screeding Punning works, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.	152.46	CU.FT.				

B.1.2	Dismantling of sanitary/plumbing works including but not limited to pipelines, elbows, connections, as and where required, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres (to be re-installed later, re-installation cost to be included here, and the responsibility for repairing/replacing of any sanitary/plumbing items damaged during dismantling or re-installation is to be fully borne by the Contractor), at terrace of main building, all complete, as per the instructions of the Engineer.	1.00	L.S.				
B.2 FORMATION OF BRICK BAT KOBA							
B.2.1	Brick bats should be of first class bricks, clean, free from large lumps and uniform in size of 1"; sand used should be lean and free of impurities; mix ratio of 1:2 C:S; surface should be clean, dry and free from any loose particles or debris and roughened/chiselled if necessary and treated with a coat of diluted cement slurry, so as to completely fill the gaps between the bats (spread evenly to form a layer); proper compaction, curing until 7 days, all complete as per the instructions of the Engineer.	462.00	SQ.FT.				
B.3 APPLICATION OF WATERPROOF MEMBRANE SHEET							
B.3.1	Chipping on exposed RCC; Surface preparation to the marked area; Application of Affix and Modified Styrene Butadiene Latex Coating around the corners and in prescribed area; Setting of PMM/Holder around the corners; Laying of paste of Modified Styrene Butadiene Latex+ Affix+ Resin-coated Sheet Glue and Universal Solvent in prescribed ratio; Parallely laying of Resin/Fibre-Coat composed of Asphaltenes, Resins, Cyclic Compunds and Saturate Membrane Sheet on the paste such that it gets proper attachment/bonding.	462.00	SQ.FT.				

B.4	HARDENED CEMENT CONCRETE FLOOR WITH NEAT CEMENT PUNNING						
B.4.1	Providing, laying in required line, level and pattern 40 mm thick IPS floor finish with cement concrete of mix 1:2:4 (1 cement : 2 sand : 4 crushed stone aggregate 12 mm and downgrade) laid in alternate panel or providing Glass dividing strips and finished with approved floor hardener (Dreitop FH or equivalent floor hardener) applied as per manufacturer's instructions including mixing laying in required slope, intrical finishing using appropriate power trowelling equipment, etc., also, topped up by neat cement punning 3mm thick while the hardened cement concrete is green (fresh), all complete as per drawing, specification and instructions of the Engineer.	462.00	SQ.FT.				
B.5	TILE WORKS						
B.5.1	3mm glazed non-slip tile flooring on kitchen floor of brand Kazaria, Somany or equivalent, applied as per manufacturer's instructions including mixing, laying in required proportions and slope, finishing using appropriate power trowelling equipment, etc., all complete as per the drawing, specification and instructions of the Engineer.	672.00	SQ.FT.				
B.6	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION						
B.6.1	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	9.00	TRIP				
TOTAL AMOUNT							NPR
ADD 13% VAT							NPR
TOTAL AMOUNT INCLUDING 13% VAT							NPR
C.0	WATERPROOFING WORKS AT BOYS' HOSTEL (TERRACE)						
C.1	DISMANTLING WORKS						
C.1.1	Demolition of existing flooring works like Tile works, Screeding Punning works, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres, cleaning site, etc., all complete, as per the specification and instruction of the Engineer.	99.00	CU.FT.				

C.1.2	Dismantling of sanitary/plumbing works including but not limited to pipelines, elbows, connections, as and where required, hauling them to the location shown by SOS CV Pokhara authority upto a distance of 100 metres (to be re-installed later, re-installation cost to be included here, and the responsibility for repairing/replacing of any sanitary/plumbing items damaged during dismantling or re-installation is to be fully borne by the Contractor), at terrace of main building, all complete, as per the instructions of the Engineer.	1.00	SQ.FT.				
C.2 APPLICATION OF WATERPROOF MEMBRANE SHEET							
C.2.1	Brick bats should be of first class bricks, clean, free from large lumps and uniform in size of 1"; sand used should be lean and free of impurities; mix ratio of 1:2 C:S; surface should be clean, dry and free from any loose particles or debris and roughened/chiselled if necessary and treated with a coat of diluted cement slurry, so as to completely fill the gaps between the bats (spread evenly to form a layer); proper compaction, curing until 7 days, all complete as per the instructions of the Engineer.	300.00	SQ.FT.				
C.3 WATERPROOF FILLET CORNERING							
C.3.1	Chipping on exposed RCC; Surface preparation to the marked area; Application of Affix and Modified Styrene Butadiene Latex Coating around the corners and in prescribed area; Setting of PMM/Holder around the corners; Laying of paste of Modified Styrene Butadiene Latex+ Affix+ Resin-coated Sheet Glue and Universal Solvent in prescribed ratio; Parallely laying of Resin/Fibre-Coat composed of Asphaltenes, Resins, Cyclic Compunds and Saturate Membrane Sheet on the paste such that it gets proper attachment/bonding.	50.00	R.FT.				

C.4	HARDENED CEMENT CONCRETE FLOOR WITH NEAT CEMENT PUNNING						
C.4.1	Providing, laying in required line, level and pattern 40 mm thick IPS floor finish with cement concrete of mix 1:2:4 (1 cement : 2 sand : 4 crushed stone aggregate 12 mm and downgrade) laid in alternate panel or providing Glass dividing strips and finished with approved floor hardener (Dreitop FH or equivalent floor hardener) applied as per manufacturer's instructions including mixing laying in required slope, intrical finishing using appropriate power trowelling equipment, etc., also, topped up by neat cement punning 3mm thick while the hardened cement concrete is green (fresh), all complete as per drawing, specification and instructions of the Engineer.	300.00	SQ.FT.				
C.5	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION						
C.5.1	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	1.00	TRIP				
TOTAL AMOUNT							NPR
ADD 13% VAT							NPR
TOTAL AMOUNT INCLUDING 13% VAT							NPR
D.0	<u>MISCELLANEOUS</u>						
D.1	110MM PVC PIPE INSTALLATION WORKS FROM FIRST FLOOR ROOF SLAB TO LOWER CGI LEVEL						
	Supplying, installing of 110mm PVC pipe to be used as drain pipe, with all required bends, connections, from first floor roof slab level to lower CGI level, all complete, as per the instructions of the Engineer	50.00	R.FT.				
D.2	GUTTER WORKS THROUGHOUT THE PERIMETER OF THE MAIN BUILDING						
	Providing, fabricating and installing 0.5mm thick sheet gutter of size 200mm*200mm, including all works, all complete, as per design, specifications and instructions of the Engineer.	425.00	R.FT.				

D.3	12.5MM TH. PLASTER (1:4), 3MM TH. NEAT CEMENT PUNNING ON CANTILEVER, PCC COPPING OF THE MAIN BUILDING						
	12.5.mm thick cement and sand plaster work of mix 1:4 (1 cement & 4 sand) in concrete surface, ceiling surface at all height including mixing mortar, laying in perfect line, level and plumb and finishing in regular and even surface including all necessary single or multi-stage scaffolding, providing and fixing 200 mm wide 24 gauge GI Chicken wire mesh at junction of R.C.C. and masonry, making grooves and recesses, throating, dusting, dripping, wetting, curing, protection, etc. all complete as per drawing , specification and instruction. [Rate shall also include for providing drips band, moulds, groove, chicken wire mesh at junction of RCC and masonry, etc., to complete the works at any heights. Neat cement punning, 3mm thick, shall be applied to the green/freshly plastered surface, all complete, as per the instructions of the Engineer.	2,300.00	R.FT.				
D.4	RE-PAINTING ON AREA MENTIONED IN ITEM E.3 WITH RAINCOAT						
	Providing and applying waterproof raincoat paint suitable for exposed roof; before applying, cleaning the surface to remove any dirt, dust, grease debris or old paint by using a detergent or degreaser or a pressure washer to remove stubborn grime or old coatings (as and where required); filling of any cracks, holes or imperfections with suitable filler, completely dried and sanded smooth; apply light sanding to improve adhesion; mix the raincoat thoroughly as per the instructions provided by the manufacturer; use 1 coat of primer as per manufacturer's instructions; apply 1 coat of Raincoat and allow drying time as per manufacturer's recommendation and then apply the second coat and cure as per manufacturer's instructions; including all works, all complete, as per design, specifications and instructions of the Engineer.	2,300.00	R.FT.				
D.5	DISMANTLING/REDUCTION OF EXTRA WINDOW SILL BAND UPTO THE WINDOW LEVEL.						

At all defected windows of Main Building, existing window band to be dismantled upto window level and applying of plaster (12.5mm thick, 1:4 C:S) and 2 coat weathercoat on 1 coat primer on the new surface, of Main Building, all complete, as per the instructions of the Engineer.	65.00	NO.				
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D.6	ACRYLIC BASED RAINCOAT/DAMPROOF OR EQUIVALENT PAINT					
	Cleaning, drying, removing any dirt, dust or debris, application of base coat and applying recommended coating to prevent water escaping, at surface facing direct water drops, all complete, as per design, specifications and instructions of the Engineer.	950.00	SQ.FT.			
D.7	DAMPNESS TREATMENT ALONG WITH PAINT					
	Dismantling of existing (external) plaster (at North side of the building), application of PMM mortar and plastering (1:4, 12.5mm thick) the surface, painting the surface after proper curing, as and where required; all complete, as per design, specifications and instructions of the Engineer.	350.00	SQ.FT.			
D.8	RENOVATION OF DRAIN CHANNEL					
	Drain channel shall be renovated, as and where required, as per the instructions of the Engineer.	100.00	R.FT.			
D.9	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION					
	Disposing debris by transportation via number of trips in mini tata (assuming volume= 80 cu.ft.), including load/unload all complete	1.00	TRIP			
					TOTAL AMOUNT	NPR
					ADD 13% VAT	NPR
					TOTAL AMOUNT INCLUDING VAT	NPR

Project: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE POKHARA

Location: SOS Children's Village Pokhara, Chhorepatan-17

BILL OF QUANTITY- A.16 MISCELLANEOUS WORKS							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	PAINTING WORKS						
1.1	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.	45,600.00	SQ.FT.				
1.2	Providing and applying two or more coats of enamel paint of approved manufacturer and shade over a coat of primer of approved manufacturer as per manufacturer's specifications to the surface of wooden doors, windows, ventilations, etc., all complete as per drawings, specifications and instruction. The rates shall include for scraping, cleaning the surface, surface preparation, sanding if required, scaffolding etc., all complete as per the manufacturer's recommendations and as approved by the Engineer.	12,400.00	SQ.FT.				
2.0	INSTALLATION OF GI MOSQUITO PROOF NET IN WOODEN FRAME USING WOODEN LISTI						
2.1	Dismantling of pre-existing mosquito proof net and installing of new GI mosquito proof net in wooden frame using wooden listi, all complete, as per the instructions of the Engineer.	5,950.00	SQ.FT.				
3.0	REPAIR OF WOODEN SITTING CHAIRS						
3.1	Repair of 5 number of wooden chairs per building including but not limited to activities like- hammering of nails, tightening of weeden members, replacement of missing/damaged wooden members, all complete, as per the instructions of the Engineer.	85.00	NO.				

4.0	REPAIR OF UNDER-COUNTER KITCHEN WOODEN RACK					
4.1	Repair of pre-existing wooden frame, include repair/(partial) replacement of broken/damaged portions by salwood, all complete, as per the instructions of the Engineer	10.71	SQ.FT.			
4.2	Repair of pre-existing wooden shutter, include repair/(partial) replacement of broken/damaged portions by 32mm thick false plywood board, NS standard, one side waterproof teak, all complete, as per the instructions of the Engineer	191.25	SQ.FT.			
5.0	REPLACEMENT OF PLYWOOD SHUTTER BY SALWOOD SHUTTER FOR ENTRANCE DOOR					
5.1	Replacement of entire plywood shutter, by salwood panel door shutters, including dismantling of pre-existing plywood shutter, all complete, as per the instructions of the Engineer.	306.00	SQ.FT.			
6.0	REPLACEMENT OF PLYWOOD SHUTTER OF CUPBOARD ATTACHED TO BED, AND ALSO TABLE DRAWER LOCKING SET					
6.1	Dismantling of pre-existing plywood shutter and replacing by 32mm thick false plywood board, NS standard, one side waterproof teak, and also dismantling of pre-existing table drawer locker set and replacement by new table drawer locker set, all complete, as per the instructions of the Engineer.	850.00	SQ.FT.			
7.0	REPLACEMENT OF SUNMICA LAMINATION ON DINING TABLE					
7.1	Complete replacement of pre-existing sunmica lamination by new sunmica lamination, 1.2mm thick, with satin finishing, possessing appreciable wear/moisture/fire resistance, using required adhesive, high-pressure laminating process, all complete, as per the instructions of the Engineer.	159.36	SQ.FT.			
8.0	REPLACEMENT OF WINDOW GLASS PANE 5MM THICK					
8.1	Dismantling of pre-existing glass panels and replacing with 5mm thick annealed glass, polished edges, all complete, as per the instructions of the Engineer.	386.75	SQ.FT.			
9.0	INSTALLING SET OF ALDROP AND PADLOCK					
9.1	Installing SS aldrop, 8" long, 1.5" wide, surface mounted, including screws and bolts for installation, and a matching keyed SS padlock, all complete, as per the instructions of the Engineer.	102.00	NO.			

10.0	REPAIR OF HAIRLINE CRACKS ON WALL					
10.1	Dismantling of plaster works for 17 buildings	680.00	SQ.FT.			
10.2	Re-plaster and re-punning (on external face of wall) or re-paint (on internal face of wall) on area as per item 10.1 for 17 buildings Providing and applying at all levels and shape 20 mm thick cement plaster in building exterior as well as interior in specified cement mortar with 1:6 (1 cement :6fine sand) in all surface at all height including mixing mortar, laying in perfectline, level and plumb and finishing in regular and even surface including all necessary single or multi-stage scaffolding, making grooves and recesses, throating, dusting, dripping, wetting, curing, protection, providing chicken wire mesh at the junction of concrete and masonry etc., all complete as per drawing , specification and instruction ofthe Engineer. [Rate shallalso include for providing drips band, moulds, groove, chicken wire mesh at junction of RCC and masonry, etc., to complete the works at any heights.	680.00	SQ.FT.			
TOTAL AMOUNT						NPR
ADD 13% VAT						NPR
TOTAL AMOUNT INCLUDING VAT						NPR