SOS CHILDREN'S VILLAGES NEPAL

PROJECT: RENOVATION WORKS AT SOS CHILDREN'S VILLAGE GANDAKI

	SUMMARY OF COSTS- CIVIL	WORKS	
S. N.	PARTICULARS	AMOUNT (NPR) INCLUSIVE OF VAT	REMARKS
A.0	CIVIL AND ARCHITECTURAL WORKS- BUILDING		
A.1	PRELIMINARY WORKS		NPR
A.2	GUARD HOUSE (DEMOLITION AND RE-CONSTRUCTION) WORKS		NPR
A.3	ROOF SLATE REPLACEMENT WORKS		NPR
A.4	WATERPROOFING WORKS		NPR
A.5	TOTAL OF CIVIL AND ARCHITECTURAL WORKS- BUILDING		NPR
B.0	TRAFFIC AND SPEED CONTROL MEASURES		
B.1	ROAD SPEED HUMP (Rubber Hump)- 24 no.s (high quality, heavy,		NPR
D. I	L=500mm, W=350mm, H=50mm)		NPR
B.2	CONVEX ROAD SAFETY MIRROR- 2 no.s, Dia.= 60cm		NPR
B.3	TOTAL OF TRAFFIC AND SPEED CONTROL MEASURES		NPR
C.0	TOTAL COST (A.5)+(B.3)		NPR

	BILL OF QUAN	TITY- A.1 P	RELIM	NARY WOR	KS		
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	PROVISIONAL SUM						
	INSURANCE						
	Insurance of works covering all risk, materials, workers and third parties		P.S.				
	liabilities covering for entire period of construction plus defects labiality period						
	as per GCC clause No. 19 (Payment shall be made in Actual Basis).						
2.0	MOBILISATION AND DEMOBILISATION						
	Generally in construction projects, this implies- "Mobilisation of the construction	1.00	L.S.				
	by constructing temporary acomodation for labours and site staff with required						
	suitable facilities and keeping the same in good hygenic 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 accomodation for workers within the SOS Children's Villages Nepal						
	premises is against the policies of SOS Children's Villages Nepal; hence, under						
	this item, the Contractor shall quote an amount, deemed in his/her analysis,						
	suitable and reasonably sufficient for covering the expense of temporary						
	accomodation of labours and site staff (outside SOS Children's Villages Nepal						
	premises), over the entire project completion time. [Note: 50% payment shall be						
	made after completion of mobilisation and remaining 50% after completion of						
	works as per contract]						
3.0	PROJECT INFORMATION BOARD						

	Providing and Fixing of Project Information board with approved Text in	1.00	L.S.			
	appropriate location including all required fixing accessories as per drawing all					
	complete.					
4.0	SAFETY SIGN BOARD					
	Providing and Fixing of Safety Sign Board with approved Text and Sinage	1.00	L.S.			
	including required fixing accessories as per drawing all complete.					
5.0	BARRICADING WORKS					
	Barricading between the Village area and Construction area with 1.8 m high CGI	100.00	R.M.			
	Sheet fixed to Bamboo support frame all complete as per instruction of					
	Engineer.					
6.0	SAFETY MATERIALS AND SITE SAFETY					
	Providing and Maintaining Construction Safety Measures in Construction Site	1.00	L.S.			
	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 mobilisation and remaining 50%					
	after completion of works as per contract.]					
				TAL AMOUNT		NPR
				ADD VAT 13%		NPR
	Т	OTAL AMOU	NT INC	LUDING VAT		NPR

	BILL OF QUANTITY- A.2 GUARD HOUS		ΓΙΟΝ Α	ND RE-CC	ONSTRUCTION) WORKS		
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
1.0	DISMANTLING WORKS		1				
	Demolition of existing Guard House safely and handover of the reusable						
	materials (viz., stone/boulder, slate, timber purlin and rafter, door, window, etc.)						
	to SOS Children's Village Gandaki authority, hauling and storing them at the						
	location shown by SOS Children's Village Gandaki authority upto a distance of						
	30 metres, cleaning site, etc., as per the specification and instruction of the						
	Engineer.						
1.1	DISMANTLING OF MASONRY WORKS WITH CEMENT AS BINDING MATERIAL	1,342.65	CU.FT.				
1.2	DISMANTLING OF PCC WORKS	170.63	CU.FT.				
1.3	DISMANTLING OF STONE SOLING	219.64	CU.FT.				
1.4	DISMANTLING OF ROOF TILE (SLATE)	259.36	SQ.FT.				
2.0	EXCAVATION WORKS						

Excavation (manually) in foundations in medium hard stone without blasting for
foundation, trenches, footing, pits etc. to the required depth 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.

701.99 CU.FT.

3.0	BACKFILLING WORKS				
	Back filling in foundation and sides of foundation with approved soil brought	463.32	CLIET		
		403.32	CU.FT.		
	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.				
4.0	STONE SOLING WORKS				
4.0		213.47	OULET		
	Providing and laying uncoursed hand packed Dry Rubble Stone soling in	213.47	CU.FT.		
	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.				
5.0	PCC WORKS (1:3:6)				
	Providing and laying machine mixed Plain Cement Concrete of nominal mix	57.08	CU.FT.		
	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.				
6.0	STONE MASONRY WORKS (1:5 C:S)				

Providing and laying Random Rubble stone masonry works in foundation and	931.18	CU.FT.			
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.					

7.0 POINTING WORKS (1:1 C:S)				
Providing and applying at all levels flush ruled Pointing Works in Cement Mortar	533.88	SQ.FT.		
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.				
8.0 PCC FOR RCC WORKS (1:1.5:3)				
Providing and laying in position machine mixed and machine vibrated cement	185.00	CU.FT.		
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.				
9.0 FORMWORKS				
Supplying and Fixing in position, centering, shuttering of various pattern	378.29	SQ.FT.		
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.				

10.0	STEEL REINFORCEMENT WORKS				
	Providing and fixing in position Fe 500 steel reinforcement of various diameter	1,081.71	KG		
	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).				
11.0	CEMENT PLASTER WORKS (1:4) (on exposed faces of RCC members like				
	plinth beam, sill band, lintel band, vertical band and slab)				
	12.5.mm, thick cement and sand plaster work of mix 1:4 (1 cement & 4 sand) in	395.22	SQ.FT.		
	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.				
	ALUMINIUM DOOR AND WINDOW WORKS				
12.1	ALUMINIUM DOOR				

Providing and fixing Single Panel Swing Door of aluminium section in naturally	21.00	SQ.FT.		
anodized or black anodized/powder coated color Section size (102*45*1.5 mm)				
fitted with 5 mm clear glass or 9 mm both side laminated board (excluding the				
cost of handle).				

12.2	ALUMINIUM WINDOW				
	Providing and fixing 2 Panel Sliding window of aluminium section in naturally	52.68	SQ.FT.		
	anodized or black anodized/powder coated color, Section size (87*56*1.2 mm)				
	fitted with 5 mm clear glass without fly mesh shutter.				
13.0	PAINTING WORKS				
13.1	WEATHERCOAT PAINT (on RCC members, viz., plinth band, sill band, lintel				
	band, vertical band, vertical and horizontal face of slab).				
	Providing and applying 2 coats of weathercoat paint on 1 coat of primer, all	395.22	SQ.FT.		
	complete, as per the instructions of the Engineer.				
13.2	ENAMEL PAINT (on timber members of Roofing, viz., purlin, rafter and fascia).				
	Providing and applying 2 coats of weathercoat paint on 1 coat of primer, all	343.70	SQ.FT.		
	complete, as per the instructions of the Engineer.				
13.3	ENAMEL PAINT (on MS grill on window).				
	Providing and applying 2 coats of ready-made enamel over 1 coat of metal	52.68	SQ.FT.		
	primer for MS grills, all complete- for W2.				
14.0	ROOFING WORKS				
14.1	STONE SLATE				
	Providing and laying stone slate as roof cover, as per the drawing and	495.96	SQ.FT.		
	instructions of the Engineer, all complete.				
14.2	TIMBER/WOOD WORKS (Salwood)				
	Providing and laying wooden members such as purlin, rafter, fascia, excluding	12.66	CU.FT.		
	painting, in perfect line and level, as per the drawing and instructions of the				
	Engineer, all complete.				
14.3	Nails				
	Providing and using as and where required, iron nails of sizes 0.5", 1", 1.5", 2", all	10.00	KG		
	complete.				
15.0	FLOORING WORKS				

15.1	HARDENED CEMENT CONCRETE FLOOR WITH PUNNING							
	Providing, laying in required line, level and pattern 40 mm thick IPS floor finish	100.58	SQ.FT.					
	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. Hardened cement concrete, while still							
	green/young, shall be topped by 3mm neat cement punning.							
16.0	MISCELLANEOUS							
16.1	Accessories for Aluminium door							
16.1.1	Door handle: material- SS, type- padlock including lock	1.00	SET					
16.1.2	Tower bolt: material- SS, length- 300mm	2.00	NO.					
16.1.3	Hydraulic door spring	1.00	NO.					
16.1.4	Door stopper	1.00	NO.					
16.2	Fly mesh for Aluminium window and ventilation	52.68	SQ.FT.					
16.3	MS GRILLS (for window W2)							
	Supplying, installation, welding and fabrication of MS Solid Bars of 10mm*10mm	73.10	KG					
	and MS Flats of 20mm*5mm, all complete.							
17.0	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION							
17.1	Disposing debris by transportation via number of trips in mini tata (assuming	22.00	TRIP					
	volume= 80 cu.ft.), including load/unload all complete							
						TOTAL AMOUN	Т	NPR
						ADD 13% VA	т	NPR
				тот	AL AMOUNT I	NCLUDING VAT		NPR

BILL OF QUANTITY- A.3 ROOF SLATE REPLACEMENT WORKS									
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS		
				FIGURE					
				(NPR)					
1.0	DISMANTLING OF ROOF TILE (SLATE)								
	Demolition of existing Roof tile (Slate) safely, hauling and storing them at the	6,051.60	SQ.FT.						
	location shown by SOS CV Gandaki authority upto a distance of 30 metres,								
	cleaning site, etc., and, as per the specification and instruction of the Engineer.								
2.0	INSTALLATION OF NEW ROOF TILE (SLATE)								
	Providing and laying stone slate as roof cover, as per the drawing and	6,051.60	SQ.FT.						
	instructions of the Engineer, all complete.								
3.0	REMOVAL OF DEBRIS VIA VEHICLE TRANSPORTATION								
	Disposing debris by transportation via number of trips in mini tata (assuming	13.00	TRIPS						
	volume= 80 cu.ft.), including load/unload all complete								
				NPR					
				NPR					
	•			NPR					

BILL OF QUANTITY- A.4 WATER PROOFING WORKS									
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS		
1.0	DISMANTLING WORKS								
	Demolition of existing roofing works like Roof Slate, Wooden Truss members; and Screeding Punning works on roof slab; hauling and storing the roofing materials safely at the location shown by SOS CV Gandaki authority, upto a distance of 30 metres, cleaning site, etc., as per the specification and								
	instruction of the Engineer. DISMANTLING OF ROOF TILE, STORING IN A SAFE PLACE AND RE-	6,456,76	SQ.FT.						
	INSTALLING LATER	0,400.70	og.i T.						
1.2	DISMANTLING WORKS OF SCREEDING AND PUNNING	1,891.24	CU.FT.						
1.0	WATER-PROOFING WORKS								
	Supply and placing of water proof membrae and all work complete as per instruction of site engineer.	8,974.73	SQ.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 PVC 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.	7,076.41	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	24.00	TRIPS						
				NPR					
				NPR					
	·			NPR					