

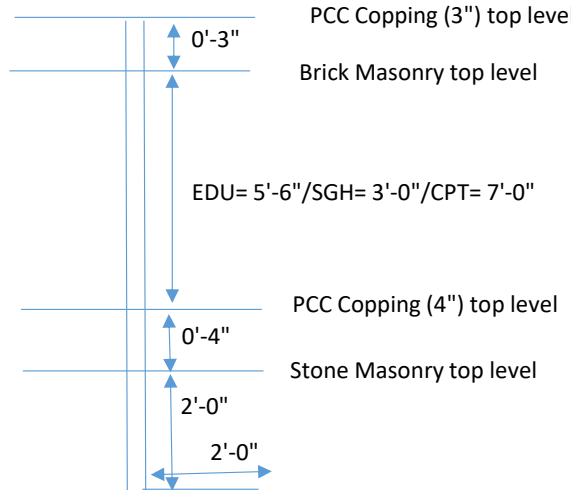
LOCATION: SOS CV KAVRE

PROJECT: RAINFALL PROTECTION WORKS AT SOS CHILDREN'S VILLAGE KAVRE

BILL OF QUANTITIES							
S. N.	PARTICULARS	QUANTITY	UNIT	RATE IN FIGURE (NPR)	RATE IN WORDS (NPR)	AMOUNT (NPR)	REMARKS
<b>P.0</b>	<b>PRELIMINARY WORKS</b>						
<b>P.1</b>	<b>PROVISIONAL SUM INSURANCE</b>						
	Insurance of works covering all risk, materials, workmen's and third parties liabilities covering for entire period of construction plus defects liability period. (Payment Shall be made in Actual Basis.)	1.00	P.S.				NPR
<b>P.2</b>	<b>MOBILIZATION AND DEMOBILIZATION</b>						
	This implies- "Mobilization of the construction 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, as constructing temporary accomodation for any manpower within the SOS CV premises is against the policies of SOS Children's Villages, hence, the Contractor shall quote an amount, deemed reasonable for temporary accomodation of labours and site staff, outside the premises. [Note: 50% payment shall be made after completion of mobilization and remaining 50% after completion of works as per contract]	1.00	L.S.				NPR
<b>P.3</b>	<b>BARRICADING WORKS</b>						

	Barricading between the Village area and Construction area with 1.8 m high CGI Sheet fixed to Bamboo support frame all complete as per instruction of Engineer.	200.00	R.FT.				NPR
<b>P.4</b>	<b>SAFETY MATERIALS AND SITE SAFETY</b>						
	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 20 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.				NPR
<b>P.5</b>	<b>DISMANTLE AND RE-CONSTRUCTION OF TEMPORARY SHELTER</b>						
	Dismantling of existing temporary shelter built up of CGI sheet wall, CGI sheet roofing and MS pipes (lying in close vicinity of the working area at Kavre SGH) safely, for ease of working, and re-constructing the same after overall completion of wall construction, by using the old and new materials (CGI, MS pipes, etc.) in the approximate ratio of 50:50 (new: old).	25.00	SQ.M.				NPR
<b>P.6</b>	<b>REMOVAL OF DEBRIS VIA TRANSPORTATION</b>						
	Disposing debris by transportation via number of trips in mini tata (assuming volume/trip= 80 cu.ft.), including load/unload all complete.	10.00	TRIP				NPR
<b>TOTAL AMOUNT</b>							<b>NPR</b>
<b>A.0</b>	<b>SOS CV KAVRE- <u>VILLAGE</u></b>						
<b>A.1</b>	<b>RE-USE AND RE-INSTALLATION OF MS FENCING/RAILING WORKS @POND AREA</b>						

	Re-paint, re-use and and re-installation in position MS angles of required sizes as present in site for line, corner, end, bracing post, top and bottom rail including applying one coat Zinc Rich Primer and painting with two coat of zinc paint (painting as and where required), etc., and also Chain Link Fence, all complete as per drawings, specification and instruction of the Engineer.	630.00	SQ.FT.				NPR
<b>TOTAL AMOUNT</b>							<b>NPR</b>
<b>B.0</b>	<b>SOS CV KAVRE- <u>EDU</u></b>						
<b>B.1</b>	<b>DEMOLITION AND RECONSTRUCTION OF BOUNDARY WALL @BASKETBALL COURT AREA</b>						
<b>B.1.1</b>	<b>DEMOLITION WORKS</b>						
	Demolition of existing Stone Masonry and Brick Masonry at the Boundary Wall safely and handover of the reusable materials (viz., stone/boulder, etc.) to the SOS CV Kavre authority, hauling and storing them at the location shown by SOS CV Kavre authority upto a distance of 30 metres, cleaning site, etc., as per the specification and instruction of the Engineer.						
B.1.1.1	Demolition of Stone Masonry with cement as binding material	2555.30	CU.FT.				NPR
B.1.1.2	Demolition of Brick Masonry with cement as binding material	239.00	CU.FT.				NPR
<b>B.1.2</b>	<b>BOULDER SOLING WORKS</b>						
	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.	134.67	CU.FT.				NPR

<p><b>B.1.3 STONE MASONRY WORKS (C:S= 1:5)</b></p>	<p>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. (Note: 2'-0" before reaching the top level, 2-25mmØ (tied securely with GI wire) rebar shall be vertically erected, "L-shaped", with horizontal length= 2'-0", vertical length= 2'-0" (in stone masonry)+ 0'-4" (in 4" PCC Copping)+ 5'-6" (in brick masonry)+ 0'-3" (in 3" PCC Copping) at every 7'-6" c/c at brick columns)</p> 	<p>2555.30</p>	<p>CU.FT.</p>				<p>NPR</p>
<p><b>B.1.4 PCC WORKS (C:S:A= 1:3:6), 75MM TH.</b></p>							

	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.	134.67	SQ.FT.				NPR
<b>B.1.5</b>	<b>POINTING WORKS (C:S 1:1)</b>						
	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.	683.10	SQ.FT.				NPR
<b>B.1.6</b>	<b>GEO-TEXTILE WORKS</b>						
	Providing and laying in position geo-textile fabric (120 GSM) between the contact surface of graded gravel filter and backfill soil, all complete as per drawings, specification and instruction of the Engineer.	683.10	SQ.FT.				NPR
<b>B.1.7</b>	<b>FULL BRICK MASONRY WORKS (C:S= 1:4)</b>						
	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 plinth, superstructure and other specified places in all heights and level 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.	251.20	CU.FT.				NPR
<b>B.1.8</b>	<b>PLASTER WORKS (C:S= 1:4),12.5MM TH.</b>						

	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.	616.06	SQ.FT.				NPR
<b>B.1.9</b>	<b>PAINT WORKS (WEATHERCOAT)</b>						
	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.	616.06	SQ.FT.				NPR
<b>B.1.10</b>	<b>PCC COPPING WORKS (C:S:A= 1:2:4)</b>						

	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.	37.69	CU.FT.				NPR
<b>B.1.11</b>	<b>RE-USE AND RE-INSTALLATION WORKS OF MS FENCING/RAILING</b>						
	Re-paint, re-use and re-install in position MS angles of required sizes as present in site for line, corner, end, bracing post, top and bottom rail including applying one coat Zinc Rich Primer and painting with two coat of zinc paint, etc., and also re-use and re-install Chain Link Fence, all complete as per drawings, specification and instruction of the Engineer.	165.00	SQ.FT.				NPR
<b>B.1.12</b>	<b>MANUAL TRANSPORTATION OF ALL MATERIALS REQUIRED FOR ALL WORKS MENTIONED FROM B.1.2 TO B.1.11, UPTO A DISTANCE OF APPROXIMATELY 150 METRES</b>						
	All the construction materials need to be transported manually, upto a distance of about 150 metres.	1.00	L.S				NPR
<b>TOTAL AMOUNT</b>							<b>NPR</b>
<b>C.0</b>	<b>SOS CV KAVRE- <i>SGH</i></b>						
<b>C.1</b>	<b>RE-CONSTRUCTION OF BOUNDARY WALL @EAST</b>						
<b>C.1.1</b>	<b>BOULDER SOLING WORKS</b>						

	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.	175.89	CU.FT.				NPR
<b>C.1.2</b>	<b>STONE MASONRY WORKS (C:S= 1:5)</b>						
	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. (Note: 2'-0" before reaching the top level, 2-25mmØ (tied securely with <u>Gl wire</u> ) rebar shall be vertically erected, "L-shaped", with horizontal length= 2'-0", vertical length= 2'-0" (in stone masonry)+ 0'-4" (in 4" PCC Copping)+ 3'-0" (in brick masonry)+ 0'-3" (in 3" PCC Copping) at every 7'-6"c/c at brick columns)	2405.50	CU.FT.				NPR
<b>C.1.3</b>	<b>PCC WORKS (C:S:A= 1:3:6), 75MM TH.</b>						
	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.	175.89	CU.FT.				NPR
<b>C.1.4</b>	<b>POINTING WORKS (C:S 1:1)</b>						



	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.				NPR
<b>C.1.5</b>	<b>GEO-TEXTILE WORKS</b>						
	Providing and laying in position geo-textile fabric (120 GSM) between the contact surface of graded gravel filter and backfill soil, all complete as per drawings, specification and instruction of the Engineer.	900.00	SQ.FT.				NPR
<b>C.1.6</b>	<b>HALF BRICK MASONRY WORKS (1:4)</b>						
	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,	314.18	SQ.FT.				NPR
<b>C.1.7</b>	<b>PLASTER WORKS (C:S= 1:4),12.5MM TH.</b>						

	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.	705.57	SQ.FT.				NPR
<b>C.1.8</b>	<b>PAINT (WEATHERCOAT)</b>						
	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.	705.57	SQ.FT.				NPR
<b>C.1.9</b>	<b>PCC COPPING WORKS (C:S:A= 1:2:4)</b>						

	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.	54.47	CU.FT.				NPR
<b>C.1.10</b>	<b>RE-USE AND RE-INSTALLATION WORKS OF MS FENCING/RAILING</b>						
	Re-paint, re-use and re-installation in position MS angles of required sizes as present in site for line, corner, end, bracing post, top and bottom rail including applying one coat Zinc Rich Primer and painting with two coat of zinc paint (painting as and where required), etc., and also Chain Link Fence, all complete as per drawings, specification and instruction of the Engineer.	300.00	SQ.FT.				NPR
<b>TOTAL AMOUNT</b>							<b>NPR</b>
<b>C.2</b>	<b>CONSTRUCTION OF DRAIN @PATHWAY</b>						
<b>C.2.1</b>	<b>DISMANTLING WORKS</b>						
	Dismantling of existing hexagonal concrete blocks installed along the pathway for making provision for Drain facility, and handover of the reusable materials (viz., usable hexagonal concrete blocks, etc.) to the SOS CV Kavre authority, hauling and storing them at the location shown by SOS CV Kavre authority upto a distance of 30 metres, cleaning site, etc., as per the specification and instruction of the Engineer.	497.00	CU.FT.				NPR

<b>C.2.2</b>	<b>BOULDER SOLING WORKS</b>						
	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.	350.00	SQ.FT.				NPR
<b>C.2.3</b>	<b>PCC WORKS (C:S:A= 1:3:6), 75MM TH.</b>						
	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.	87.50	CU.FT.				NPR
<b>C.2.4</b>	<b>HALF BRICK MASONRY WORKS (1:4)</b>						
	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.	300.00	SQ.FT.				NPR
<b>C.2.5</b>	<b>PLASTER WORKS (C:S= 1:4),12.5MM TH.</b>						

	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.	800.00	SQ.FT.				NPR
<b>C.2.6</b>	<b>MS GRATING WORKS</b>						
	Providing, fabricating and installing in position, 25*23*3mm Equal Angle Sections (at both edges of drain), on top which should be provided 25*3mm MS strip spaced at 75mm c/c, including a coat of iron oxide as primer and finished with 1 coat of enamel paint, welding, rounding, jointing, finishing all complete as per drawing, spcification and instruction of the Engineer.	361.50	KG				NPR
<b>TOTAL AMOUNT</b>							<b>NPR</b>
<b>C.3</b>	<b>DEMOLITION OF BRICK MASONRY COLUMNS AND CONSTRUCTION OF RCC COLUMNS @MAIN GATE</b>						
C.3.1	All demolition and construction works, viz., dismantling of existing brick masonry columns (L=2'-0", B=2'-0", H=10'-0" including footing), excavation and backfilling, boulder soling, PCC (1:3:6), formworks, rebar, RCC for PCC (1:1.5:3), plaster, curing, painting, and finally re-connecting Main Gate to newly constructed RCC Columns. Refer drawings for structural and architectural details. For New RCC Column, L= 1'-6", B= 1'-6", H (above Ground Level)= 8'-0".	2.00	NO.				

		TOTAL AMOUNT				NPR
<b>D.0 SOS CV KAVRE- <u>CPT</u></b>						
<b>D.1</b>	<b>SITE CLEARANCE WORKS</b>					
	Clearing and grubbing the site for construction by removing 150mm thick top soil including bushes, small trees, leveling of undulated ground, shorting and stacking/storing selected top soil for reuse in landscaping works, disposing unsuitable materials from site, etc., all complete as per drawings, specifications and instructions of the Engineer.	1300.00	SQ.FT.			NPR
<b>D.2</b>	<b>FULL BRICK MASONRY WORKS (C:S= 1:4)</b>					
	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 plinth, superstructure and other specified places in all heights and level 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.	458.76	CU.FT.			NPR
<b>D.3</b>	<b>PLASTER WORKS (C:S= 1:4),12.5MM TH.</b>					

	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.	1083.41	SQ.FT.				NPR
<b>D.4</b>	<b>PAINT WORKS (WEATHERCOAT)</b>						
	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.	1083.41	SQ.FT.				NPR
<b>D.5</b>	<b>PCC COPPING WORKS (C:S:A= 1:2:4)</b>						

	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.	13.42	CU.FT.				NPR	
<b>D.6</b>	<b>RE-USE AND RE-INSTALLATION WORKS OF MS FENCING/RAILING</b>							
	Re-paint, re-use and re-installation in position MS angles of required sizes as present in site for line, corner, end, bracing post, top and bottom rail including applying one coat Zinc Rich Primer and painting with two coat of zinc paint (painting as and where required), etc., and also Chain Link Fence, all complete as per drawings, specification and instruction of the Engineer.	195.00	SQ.FT.				NPR	
<b>D.7</b>	<b>MANUAL TRANSPORTATION OF ALL MATERIALS REQUIRED FOR ALL WORKS MENTIONED FROM D.2 TO D.6, UPTO A DISTANCE OF APPROXIMATELY 100 METRES</b>							
	All the construction materials need to be transported manually, upto a distance of about 100 metres.	1.00	L.S				NPR	
		<b>TOTAL AMOUNT</b>						
		<b>GRAND TOTAL AMOUNT</b>						
		<b>ADD 13% VAT</b>						
		<b>GRAND TOTAL AMOUNT INCLUDING 13% VAT</b>						