



**Annex "D": Scope of Works**

**SCOPE OF WORKS FOR LOT 1: IMPROVEMENT OF KSU MAIN GATE- PHASE 1**

ITEM No.	ITEMS OF WORK	QTY	UNIT	SCOPE OF WORKS
800(1)	CLEARING, GRUBBING AND LAY-OUT	108.3	sq.m.	-covers item in front of guard house as specified in the plan -removal of trees in front and clearing @ grid 1-5 (C-F) layout of new guard house
801(3)a	REMOVAL OF STRUCTURES AND OBSTRUCTION (PCCP)	32.40	sq.m.	-covers item @ where the column footing of the gate that will be excavated specified in plan includes the removal of PCCP @ grid 2 (B-C) and 2 (G-H)
801(6)	REMOVAL OF STRUCTURES AND OBSTRUCTION (Concrete)	10.25	cu.m.	- specified in plan includes the removal of existing gate, columns, and guardhouse
104(1)a	STRUCTURE EXCAVATION (Common soil)	23.47	cu.m.	specified in the plan includes excavation of column footing @ grid 2(A-I), D3, F3, D4, F4, D5, and F5 and tie beam @ grid 2 (B-H)
804	EMBANKMENT	10.08	cu.m.	specified in plan includes backfilling of excavated materials @ grid 2(A-I), D3, F3, D4, F4, D5 and F5 tie beam @ grid 2 (B-H) includes embankment of selected fill materials @ grid (1-5)(D-F) specified in the plan
900(1)(a1)	STRUCTURAL CONCRETE (class A)	27.74	cu.m.	-all concrete shall be class A = $f_c' \geq 21$ Mpa - covers all concreting items @ grid 2(A-I), 1-5(D-F)
	a. Column Footings			- covers the installation, fabrication and removal of forms
	b. Wall Footing			-specs are as follows:
	c. Tie Beams			* portland cement
	d. Beams			*sand
	e. Slab on Fill			*gravel
	f. Roof deck			*1/2" thk. plywood *form lumbers *common wire nails (assorted)
902(1)	REINFORCING STEEL BARS	4360.16	kgs.	- all reinforcing main bars shall be grade 40 $f_y \geq 276$ Mpa - all reinforcing main bars shall be grade 40 $f_y \geq 276$ Mpa - covers all concreting items specified in plan @ grid 2(A-I), 1-5(D-F) - no. 16 GI Tie wire
311(1)b	PORTLAND CEMENT CONCRETE PAVEMENT (200mm)	21.60	sq.m.	- covers item that are affected during excavation @ grid 2(B-C) and grid 2 (G-H) with a maximum width of .20 m
1046(2)	MASONRY WORKS	64.27	sq.m.	- covers items @ grid (1-5)(D-F) -specs are as follows: *4" thk. CHB for interior wall *6" thk. CHB for exterior wall *sand *cement *10mm dia RSB(grade 60) *no. 16 GI tie wire
1027(1)	CEMENT PLASTER FINISH	126.44	sq.m.	-covers Item @ grid (1-5)(D-F) specified in the plan includes beams, columns, walls and CHB walls
1047(1)	METAL STRUCTURES (Tubular - Gate)	1.00	l.s	- specs are as follows tubular fabricated hinge Welding rod Epoxy Primer Red Paint QDE Gloss Black Paint Brush x 100mm Paint Thinner Steel putty with hardener Sand paper # 300



1103(1)	LIGHTING FIXTURES	1.00	I.s.	- covers items @ grid (1-5)(D-F) and @ gate letterings and logo
				A. LIGHTING OUTLET(40 OUTLETS)
				1. 15 mm Ø PVC conduit
				2. 2.0 mm <sup>2</sup> THHN wire
				3. Utility box
				4. 2 gang switch
				5. 1 gang switch
				6. Duplex convenience outlet
				7. Octagonal junction box
				8. 15mm Ø PVC elbow
				9. 3/4 " tekscrew
1001(8)	SEWER LINE WORKS	1.00	I.s.	-specified in plan includes rough-in
				-specs are as follows:
				*PVC Moldex Pipe S-1000 x 4" dia. X 3.0
				*PVC Moldex Pipe S-1000 x 2" dia. X 3.0
				*Fittings:
				*PVC Elbow 90 deg. X 100mm dia.
				*PVC Elbow 90 deg. X 50mm dia.
				*Solvent Cement 1/4 lit.
				*PVC Clean Out 100mm dia. w/ cap
1002(8)	PLUMBING FIXTURES AND FITTINGS	1.00	I.s.	-specs are as follows:
				*Water Closets with Complete Assembly (round)
				* Hanging Lavatory
				*Soap Holder
				*Floor Drain 100x 100
				*Tissue Holder
				*detailed specs shall be presented to infrastructure unit before installation
1002(28)	COLD WATER LINES	1.00	I.s.	-specs are as follows:
				PVC-Pipe 1/2" dia. X 3m
				PVC-Pipe Coupling 1/2" dia.
				PVC-Pipe Elbow 1/2" dia.
				PVC-Pipe TEE 1/2" dia.
				PVC-Pipe End Cap 1/2" dia.
				Solvent Cement 1/4 lit.
				1/2" dia GI Gate valve
B.5	PROJECT BILLBOARD	1.00	piece	-covers project signboard of the building construction
B.7	OCCUPATIONAL SAFETY AND HEALTH PROGRAM	1.00	LOT	-covers safety personal protective equipment to be used during the construction until the project is done
				safety gloves
				safety shoes
				safety helmets
				caution tape

**\*NOTE:** All the branded products stated in this Scope of Works (above) are used as "preference" only for accuracy and quality-based output of the project.

Prepared by:

**KSU INFRASTRUCTURE UNIT**

Recommending Approval:

**Engr. RHONJHON R. GARMING**  
Director for Planning and Strategy

Checked by:

**Engr. CHRISTIAN LOUIE B. ADORA**  
Chairman for Planning

Approved:

**EDUARDO T. BAGTANG, CPA, DBM**  
SUC President III



**SCOPE OF WORKS FOR LOT 2: IMPROVEMENT OF KSU MAIN GATE- PHASE 2**

ITEM No.	ITEMS OF WORK	QTY	UNIT	SCOPE OF WORKS
1103(1)	<b>LIGHTING FIXTURES</b>	<b>1.00</b>	<b>l.s.</b>	-covers item @ grid (1-5)(D-F) and 2(A-I) specified in the plan -specs are as follows: A. LIGHTING OUTLET 1. Weather Proof T5 lamp 1 x 24W LED 2. 15 mm Ø PVC conduit 3. 18W LED T5 lamp 4. 6 Branches panel board 5. 15A Circuit breaker 6. 20A circuit breaker
SPL	<b>STAINLESS LETTERINGS and LOGO</b>	<b>23.00</b>	<b>pcs</b>	-covers item @ grid 2(A-I) specified in the plan -specs are as follows: Stainless Letterings 475mm x 335mm Emboss KSU Logo 900 mm diameter
1039(1)	<b>ALUMINUM CLADDING</b>	<b>204.48</b>	<b>sq.m.</b>	-covers item @ grid 2(A-I) specified in the plan -specs are as follows: Aluminum cladding(4mm x 1.2 x 2.4) Angle Bar 38 x 38 x 3mm Thk. Flat Bar 38 X 3mm metal screw x 1" Welding Rod Epoxy Primer Red Paint Paint Brush x 100mm Paint Thinner
1018(2)	<b>CERAMIC TILES (Unglazed tiles)</b>	<b>11.81</b>	<b>sq.m.</b>	-covers item @ grid (4-5)(D-E) specified in the plan -specs are as follows: Ceramic Mariwasa Floor Tiles/ Wall Tiles Paper finish (300 x 300mm) Portland Cement Sand Bostik Tile Grout Fix All Tile Cutter Disk
1046	<b>MASONRY WORKS (STONE CLADDING)</b>	<b>9.34</b>	<b>sq.m.</b>	-covers item @ grid (1-3)(D-F), 2A and 2I specified in the plan -specs are as follows: 1. Portland Cement 2. EZ Rocks 3. Sand 4. Polymer 5. Paint Brush 4"
SPL I	<b>CONSTRUCTION OF SEPTIC TANK</b>	<b>1.00</b>	<b>lot</b>	-specs are as follows: A. Excavation B. Concreting Works 1. Portland Cement 2. Sand (S -1) 3. Gravel (1") 4. RSB 10 mmØ x 6.0 grade 40 5. GI Tiewire # 16 6. Water Proofing Compound C. Masonry Rough Works 1. Portland Cement 2. Sand 3. RSB 10 mmØ x 6.0 grade 40 4. CHB 6" THK 5. GI Tiewire #16



				D. Masonry Finishing Works
				1. Portland Cement
				2. Sand
1010(2)	<b>WOODEN DOORS</b>	<b>2.93</b>	<b>sq.m.</b>	-covers item @ grid (4)(D-F) specified in the plan
				-specs are as follows:
				Panel Door (D-1) 2000mm X 800mm
				Flush Door (D-2) 1900mm x 700mm x 1 set
				Door Jamb .8 x 2.1
				Door Jamb .7 x 1.9
				Hinges 4" x 4"
				Cylindrical Door Knob
1008(1)	<b>ALUMINUM GLASS WINDOW</b>	<b>5.04</b>	<b>sq.m.</b>	-covers item @ grid (1-5)(D-F) specified in the plan
				-specs are as follows:
				Anolock window glass on aluminum frame w/ 6mm thick glass (awning tyoe)
				Anolock window glass on aluminum frame w/ 6mm thick glass(fixed type)
B.7	<b>OCCUPATIONAL SAFETY AND HEALTH PROGRAM</b>	<b>1.00</b>	<b>lot</b>	-covers safety personal protective equipment to be used during the construction until the project is done
				safety gloves
				safety shoes
				safety helmets
				caution tape

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