

ORIGINAL

• Section - 7

• **BILLS OF QUANTITIES**

1. **Include Preliminary Bill items as Bill No. 1**
2. **VAT Component shall be filled in Bills of Quantities and it shall not be carried to Form of Bid.**
3. **Any discount offered will not be considered for Provisional Sum Items**

COLOMBO MUNICIPAL COUNCIL
MUNICIPAL ENGINEERS' DEPARTMENT

**PROJECT NAME: CONSTRUCTION OF STORM WATER DRAIN AT, ST. JUDE LANE,
 FARM ROAD, MATTAKKULIYA, COLOMBO 15.**

ITEM	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	<u>Bill No 01</u>				
1.0	Preliminaries				
1.1	Provisional sum for providing Performance security		Provisional sum		15,000.00
1.2	Provisional sum for providing an Advance Payment security.		Provisional sum		60,000.00
1.3	Provisional sum for insurance of the works, Machinery & equipment, Plant, Materials, third party persons & property and Employer's personnel & property at site as per contract.		Provisional sum		20,000.00
1.4	Provisional sum for insurance of against accident and injury to contractor's personnel as per th contract.		Provisional sum		20,000.00
1.5	Contractor's Facilities A low lump sum for constructing, maintaining, dismantling and removal on completion of the works, a temporary site office of adequate size including staff rest room and toilets and other facilities for the contractor's site management staff in accordance with the plans prepared by the Contractor and concurred by the Engineer.	Item			

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ITEM	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
1.6	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the works, building to be used as workshops and stores for perishable materials. Buildings shall be constructed in accordance with the drawing prepared by the Contractor and sanctioned by the Engineer. The lump sum shall also include for altering, modifying or dismantling and re-erecting within the site all temporary buildings/structures if required.	Item			
1.7	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the works, temporary building to in accordance with the plans prepared by the Contractor and sanctioned by the Engineer to accommodate by the following: a) Workers' rest room, canteen facilities, kitchen b) Toilet & wash areas. c) Sick/ rest / Aid room d) Accommodation for Contractor's staff and workmen including sanitary facilities on site of applicable. Facilities to workmen shall conform to the latest public health and industrial regulation.	Item			
1.8	Allow lump sum for providing Accommodation including sanitary facilities and transport Contractor's staff and workmen off site.	Item			
1.9	Allow lump sum for providing telephone and facsimile facilities, electricity and water services for the contractor's site office for their use in connection with the works.	Item			

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ITEM	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
1.10	Allow lump sum for maintenance, rental, consumption charges etc. for telephone and facsimile facilities, electricity and water services for the contractor's site office for their use in connection with the works.	Item			
1.11	Allow lump sum for contractor's transport facilities at site. SETTING OUT	Item			
1.12	Allow lump sum for employing a licensed land surveyor to define the building site work etc., check levels and carry out such other surveys as may be necessary to establish accurately the placing of forms and pouring of concrete and all other setting out in both vertical and horizontal plane.	Item			
1.13	Allow lump sum for setting out of works in accordance with drawing and other written information given by the Engineer. QUALITY, STANDARDS & PROGRESS	Item			
1.14	Allow Lump sum for provision of progress report photographic record and other schedules including in the ICTAD publication Guide line for Effective Construction Management. (ICTAD/CM/011), relevant to contract administration as directed by the Engineer.	Item			
1.15	Allow lump sum for all cost in connection with preparing samples for testing, making arrangement for testing of materials, goods etc. as stipulated in the specification, obtaining test reports and submitting the same to the Engineer.	Item			
1.16	Allow lump sum for provision of shop drawings, bar schedules, etc for Engineer's approval.	Item			

ITEM	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
1.17	Allow lump sum for provision of 2 sets of (hard copies and soft copies) as-built drawings of all services, for Engineer's approval.	Item			
	Health, Safety & Environment				
1.18	Allow lump sum for following services throughout the period of construction for Engineer's office, contractor's site office and worker's rest room and other facilities; a) Employing Workmen to clean and maintain all areas to be in good hygienic conditions including toilets, wash areas, kitchen etc. rest room, canteen facilities, kitchen b) Supplying adequate drinking water, water for washing purposes, soap, detergent, etc. throughout the period of construction.	Item			
1.19	Allow lump sum for providing all necessary safety measures to workmen at site conforming to the latest industrial safety regulation and as directed by the Engineer.	Item			
1.20	Allow lump sum for making adequate provision against air and noise pollution of surrounding areas. Hoarding and dust screens shall be provided to control dust escaping to surrounding areas.	Item			
1.21	Allow lump sum for maintaining the site in a clean and orderly manner at all times and during the entire contract period.	Item			
1.22	Allow Lump sum for demobilization, removal of all rubbish & debris and clearing up site on completion, leaving a site in good order and handing over.	Item			

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ITEM	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
1.23	Allow Lump sum for employing an adequate number of security personnel and security system on full time basis throughout the period of construction, and provide for necessary security lighting and a warning system.	Item			
1.24	Allow Lump sum for providing and maintaining necessary fencing, hoarding, and gates for safeguarding the works, materials and plant as directed by the Engineer.	Item			
1.25	Allow lump sum for protection of public and private services at site. The contractor shall take due care to protect water supply and drainage systems, telephone and overhead/buried electrical cables etc. whose location are identified and made available to the bidder at the time of bidding, unless earmarked for demolition during the execution of the works. The contractor is to make good any cause within his control at his own expense or pay any cost and charges in connection therewith.	Item			
1.26	Allow Lump sum for supply of water for the works and paying all charges and other expenses in connection with the supply from water mains or any other alternative method of water supply, storage and reticulation.	Item			
1.27	Allow lump sum for supplying temporary electricity for the works including connection, distribution system for the works, internal arrangements and all payments to the authorities for consumption.	Item			
1.28	Allow lump sum for providing hoarding equipment and other plant for the use of the works on site (or hire).	Item			
1.29	Allow Lump sum for providing small machinery and equipment for the use of the works at site.	Item			

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ITEM	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
1.30	Allow lump sum for erecting and maintaining scaffolding and/or self climbing platforms. Such scaffolding etc. shall be removed on completion and all works disturbed shall be made good.				
1.31	Allow Lump sum for stamp duty in accordance with the prevailing regulations of the Government.	Item			
1.32	Allow lump sum for providing and maintaining a name board to the specifications and/or directed by the Engineer.	Item			
1.33	Allow lump sum for excavation for trial pits/trial trenches as specified or as directed by the engineer as for location services etc. and reinstating the ground and making good disturbed work to the satisfaction of the engineer.	Item			
Total Preliminaries carried over to summary					

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**COLOMBO MUNICIPAL COUNCIL
MUNICIPAL ENGINEERS' DEPARTMENT**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(Rs.)
	Bill No 01				
1.0	Preliminaries	Item	Allow	Sum	
	Note : All the items below, rate included for supplying of materials.				
2	Bill No 2.0				
2.1.1	DEMOLISHING WORKS				
2.1.1.1	Demolishing of existing storm water drain	Item	Allow	Sum	
2.1.2	TEMPORARY REINSTATEMENT				
2.1.2.1	Removing of concrete floor and include temporary reinstatement of road, clearing with all existing utility services.	m ²	374.00		
	Note: Permanent reinstatement should be done by CRMU of CMC and reinstatement cost has to be paid to CRMU separately by the contractor				
2.1.3	PERMANENT REINSTATEMENT				
2.1.3.1	Permanent reinstatement of damaged Concrete road		Provisional sum		774,360.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(Rs.)
2.1.4	DRAIN WORK				
2.1.4.1	Construction of 400mm sized internal dimension reinforced concrete rectangular open drain with 50mm screed 1:3:6 (20mm) cement concrete and 150mm thick base, and 150mm thick walls Grade 25 concrete. Wall should have satisfactory smooth finished and plastering not allowed. Rate shall include for excavation, removal of excess earth, preparation of surface, backfilling and compaction with suitable available material 150mm thick compacted layers and necessary formwork, reinforcement, and Grade 20 concrete for benching of drain base. Drain depth varies according to the U.S. Shoring work included to the rate. Refer the drawing No.01				
2.1.4.1.1	Invert depth not exceeding to 1m	Lm	181.00		
2.1.4.2	Construction of 450mm sized internal dimension reinforced concrete rectangular open drain with 50mm screed 1:3:6 (20mm) cement concrete and 150mm thick base, and 150mm thick walls Grade 25 concrete. Wall should have satisfactory smooth finished and plastering not allowed. Rate shall include for excavation, removal of excess earth, preparation of surface, backfilling and compaction with suitable available material 150mm thick compacted layers and necessary formwork, reinforcement, and Grade 20 concrete for benching of drain base. Drain depth varies according to the U.S. Shoring work included to the rate. Refer the drawing No.02				
2.1.4.2.1	Invert depth not exceeding to 1m	1m	143.00		

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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(Rs.)
2.1.5	COVER SLAB				
2.1.5.1	Casting, curing & placing of 500x450x150mm Gr 25 concrete including 15mm Top steel 1/2 @ 125 c/c Both ways including for necessary form work as per drawing No - 01	Nos	403.00		
2.1.5.2	Casting, curing & placing of 750x150x150mm Gr 25 concrete including 10mm Top steel 1/2 @ 125 c/c Both ways including for necessary form work as per drawing No - 02	Nos	319.00		
2.2	TEMPORARY DIVERSION OF STORM WATER LINE				
	Storm water diversion during the construction of line		Provisional sum		50,000.00
2.3	CONNECTION				
2.3.1	Item shall include construction of proposed storm water drain for existing culvert	Item	Allow	Sum	
2.3.2	Protection of other services. (Rate shall include for precautions to those service lines or covering them and repairs to structures if it is damaged due to construction processes.)			Provisional sum	500,000.00
Total					
SUMMARY					
B/P No 01 Preliminaries					
Bill No 02					
Sub Total					
20% Contingencies					
Grand Total					
12% VAT					
Project Amount					

Bidder's Signature :

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