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• 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**

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Repair and Service of 05 sets of Pumps at Madampitiya Pumping Station

Bill Number 01 - Preliminaries

Serial No	Description	Unit	Amount in Rs.
1	Provincial sum for providing a Performance security.	Provisional sum	65,000.00
2	Provincial sum for providing a Advance Payment security.	Provisional sum	259,000.00
3	Provincial sum for insurance of works, Machinery & Equipment, Plant, Material, third party persons & property and Employer's personnel & property at site as per the Contract.	Provisional sum	94,000.00
4	Provincial sum for insurance against accidents and injury to Contract's personnel as per the contract.	Provisional sum	94,000.00
	Contract's Facilities		
5	Allow 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	
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 drawings prepared by the contractor and concurred 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	
7	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, temporary building in accordance with the plans prepared by the contractor and concurred by the Engineer to accommodate the following: 1. Worker's rest room, canteen facilities, kitchen 2. Toilet and wash areas. 3. Sick/First - Aid room 4. Accommodation for contractor's staff and workmen including sanitary facilities on site of applicable. facilities to workman shall conform to the latest public health and industrial regulations.	Item	

8	Allow lump sum for providing accommodation including sanitary facilities and transport for contractor's staff and workmen off site.	Item	
9	Allow lump sum for providing telephone and facsimile facilities, electricity and water services for contractor's site office for their use in connecting with the works.	Item	
10	Allow lump sum for maintenance, rental, consumption charges etc. For telephone and facsimile facilities, electricity and water services for contractor's site office for their use in connecting with the works.	Item	
11	Allow lump sum for contractor's transport facilities at site.	Item	
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	
13	Allow lump sum for setting out of works in accordance with drawings and other written information given by the Engineer.	Item	
	Quality, Standards and progress		
14	Allow lump sum for provision of provision of progress reports including photographic records and other schedules included in the ICTAD publication Guidelines for effective construction management. (ICTAD/CM/01), relevant to contract administration as directed by Engineer	Item	
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	
16	Allow lump sum for provision of shop drawings, bar schedules etc for Engineer's approval.	Item	
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 and Environment		
18	<p>Allow lump sum for following services throughout the period of construction for the Engineer's Office, contractor's site office and worker's rest room and other facilities;</p> <p>a. Employing workmen to clean and maintain all areas to be in good hygienic conditions including toilets, wash areas, kitchen etc.</p> <p>b. Supplying adequate drinking water, water for washing purposes, soap, detergent, etc. throughout the period of construction.</p>	Item	
19	<p>Allow lump sum for providing all necessary safety measures to workmen at site conforming to the latest industrial safety regulations and as directed by the Engineer.</p>	Item	
20	<p>Allow lump sum for making adequate provisions against air and noise pollution of surrounding areas. Hoarding and dust screens shall be provided to control dust escaping to surrounding areas.</p>	Item	
21	<p>Allow lump sum for maintaining the site clean and orderly manner at all times and during the entire contract period.</p>	Item	
22	<p>Allow lump sum for demobilization, removal of all rubbish & debris and clearing up site on completion, leaving all in good order and handing over.</p>	Item	
23	<p>Allow lump sum for employing and adequate number of security personnel and security systems on full time basis throughout the period of construction, and providing for necessary security lighting and warning system.</p>	Item	
24	<p>Allow lump sum for providing and maintaining necessary fencing, hoarding and gates for safeguarding the works, materials and plant, as directed by the Engineer</p>	Item	
25	<p>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 over head/ buried electrical cable etc. Whose locations are identified and make available to bidders at the time of bidding, unless earmarked for demolition, during the execution of the works. The contractor is to make good any damage due to any cause within his control at his own expenses or pay any cost and charges in connection therewith.</p>	Item	

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26	Allow lump sum for supply of water for the works and paying all chargers and other expenses in connection with the supply from water mains or any other alternative method of water mains or any other alternative method of water supply, storage and reticulation.	Item	
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	
28	Allow lump sum for providing hoisting equipment and other plants for the use of the works on site (dry Hire)		
29	Allow lump sum for providing small machinery and equipment for the use of the works at site	Item	
30	Allow lump sum for erecting and maintaining scaffolding and / or self climbing platform. Such scaffolding etc. shall be removed on completion and all works disturbed shall be made good.	Item	
31	Allow lump sum for stamp duty in accordance with the prevailing regulations of the Government	Item	
32	Allow lump sum for providing and maintaining a name board to the specification and/ as directed by the engineer	Item	
33	Allow lump sum for excavating for trial pits/ trial trenchers as specified or as directed by the Engineer as for locating services etc. and reinstating the ground and making good disturbed work to the satisfaction of the Engineer.	Item	
	Total carried over to summary		

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2.0	Pump Repair and Service			
2.1	270 kW Pump (Grundfos. Type No. -33006L2511Z, Product No.- 96585161, Capacity 1100 l/s, Head			
2.1.1	Dismantling & Re-installing the pump at site. Price Including: 01. Overhaul complete pump. 02. Replace the new spares. 03. Replace Oil. 04. Dynamic balancing of impeller. 05. Re-installing at site. 06. Transport & handling Charges.	2	Nos	
2.1.2	Kit, Primary seal	2	Nos	
2.1.3	Kit Secondary seal	2	Nos	
2.1.4	Kit O' ring	2	Nos	
2.1.5	Kit, Moisture switch	2	Nos	
2.1.6	Kit, Lower bearing	2	Nos	
2.1.7	Kit, Upper bearing	2	Nos	
2.1.8	Shaft Rotor (Optional)	2	Nos	
	Kit impeller O' ring	2	Nos	
2.1.10	Kit,Temp.sensor PT100 f.bearings fr74	2	Nos	
2.1.11	Kit, volute casin with complete accessories to fix the pump to the line	2	Nos	
2.1.12	Spare parts- Kit impeller with O' ring	1	Nos	
	Total for 2.1			
2.2	130 kW Pump (Grundfos. Type No. -31006L3A511Z, Product No.			
2.2.1	Dismantling & Re-installing the pump at site. Price Including: 01. Overhaul complete pump. 02. Replace the new spares. 03. Replace Oil. 04. Dynamic balancing of impeller. 05. Re-installing at site. 06. Transport & handling Charges.	2	Nos	
2.2.2	Kit, Primary seal	2	Nos	
2.2.3	Kit Secondary seal	2	Nos	
2.2.4	Kit O' ring	2	Nos	
2.2.5	Kit, Moisture switch	2	Nos	
2.2.6	Kit, Lower bearing	2	Nos	
2.2.7	Kit, Upper bearing	2	Nos	
2.2.8	Shaft Rotor (Optional)	2	Nos	
2.2.9	Kit impeller O' ring	2	Nos	
2.2.10	Kit,Temp.sensor PT100 f.bearings fr74	2	Nos	
	Total for 2.2			

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2.3	100 kW Pump (Grundfos, Capacity 930 l/s, Head 16 m, 189 A 3			
2.3.1	Dismantling & Re-installing the pump at site. Price Including: 01. Overhaul complete pump. 02. Replace the new spares. 03. Replace Oil. 04. Dynamic balancing of impeller. 05. Re-installing at site. 06. Transport & handling Charges.	1	Nos	
2.3.2	Kit, Primary seal	1	Nos	
2.3.3	Kit Secondary seal	1	Nos	
2.3.4	Kit O' ring	1	Nos	
2.3.5	Kit, Moisture switch	1	Nos	
2.3.6	Kit, Lower bearing	1	Nos	
2.3.7	Kit, Upper bearing	1	Nos	
2.3.8	Shaft Rotor (Optional)	1	Nos	
2.3.9	Kit impeller with O' ring	1	Nos	
2.3.10	Kit, Temp.sensor PT100 f.bearings fr74	1	Nos	
2.3.11	Kit, volute casin with complete accessories to fix the pump to the line	1	Nos	
2.3.12	Spare parts- Kit impeller with O' ring	1	Nos	
	Total for 2.3			
	Total of Bill No 2 carried to Grand Summary			
Bill No		Total Amount (LKR)		
1	General Items Bill			
2	Pump Repair and Service			-
A	Sub Total 1 (Bill 1 to 2)			-
B	Add 10% Contingencies of Sub Total 2			-
Total Tender carried to Form of Tender (Excluding VAT)				-

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