

The Employer retains the right to request a detailed breakdown of the make-up of any day-work rate and, after consultation with the Contractor, to adjust such rate should it be shown to be unreasonable.

Description	Average Number of Personnel / Hours Proposed	Basic Rate (SZL)	Total of All Allowances (SZL)
Foreman			
Pipe layer			
Plumber or drain-layer			
Welder			
Semi-skilled labourer			
General Labourer			
Watchman			
Concrete (25 MPa)			
Grouted Stone Pitching (150 mm thick)			
Steel Reinforcing Mesh Ref 395			
Compressor,			
3 ton delivery vehicle			
5 m ³ Tipper truck			
Light Delivery Vehicle (LDV)			
Tractor-Loader-Backhoe (TLB)			
Dewatering pump complete with generator (or petrol/diesel/air driven) and accessories 3 kW			
Mobile electric welding sets complete with generators and all accessories.			

The above rates are deemed to be those in force 30 days prior to the date set for the submission of the Tenders. The Tenderer's attention is drawn to the fact that the above list is not exhaustive. It is the Tenderer's responsibility to add to the list as necessary. If the cost or contribution in one or more columns or rows is zero, the Tenderer should explicitly state "0".

I hereby declare that the information provided in this schedule is completely truthful (to be signed by the Tenderer's or, in a case of a joint venture, each company's authorised representative).

Signed by on at
(full name and position)

Schedule 17: Details of Isolating Valves

Please supply manufacturer's drawings and or information sheets.

Item	TYPE 1	TYPE 2	TYPE 3
Manufacturer			
Place of Manufacture			
Model No.			
Nominal Bore			
Materials: (a) Body and Gate (b) Gate			
Face-to-face dimension (mm)			
Mass of Valve (kg)			
Gearing: (a) Type (b) Ratio			

DATE

SIGNATURE OF TENDERER

Schedule 18: Details of Air Valves

Please supply manufacturer's drawings and or information sheets.

Item	TYPE 1	TYPE 2	TYPE 3
Manufacturer			
Place of Manufacture			
Model No.			
Nominal Bore			
Materials: (a) Body (b) Cover (c) Small Orifice - Ball - Seat (d) Large Orifice - Ball - Seat			
Air discharge at design pressure			
Maximum air intake (m ³ /s)			
Mass of valve (kg)			

DATE

SIGNATURE OF TENDERER

Schedule 19: Details of Flow Meters

Please supply manufacturer's drawings and or information sheets.

ITEM	TYPE 1	TYPE 2	TYPE 3
Manufacturer			
Place of Manufacture			
Model No.			
Nominal Bore			
Materials:			
Face to face dimension /mm			
Mass of valve (kg)			

DATE

SIGNATURE OF TENDERER

Schedule 20: Details of Water Supply Pipework and Fittings

Please supply manufacturer's drawings and or information sheets.

Item (Pipe / Fitting etc.)	Nominal Diameter	Material	Pressure Rating (Class)	Manufacturer

DATE

SIGNATURE OF TENDERER

Schedule 21: Details of Borehole (Wet well) Pump Sets

	Details of Tendered Pump
Manufacturer	
Country / Place of manufacture	
Model No.	
No. of Pumps to be installed	
Speed of rotation (rpm)	
Discharge manifold dia. (mm)	

MOTOR	Details of Tendered Motor
Manufacturer	
Place of manufacture	
Type	
Speed of rotation	
Supply voltage	
Maximum allowable number of stop/starts per hour	
Rated power at site (kW)	
Starting current (A)	

PUMP PERFORMANCE DATA (Borehole Pumps)		
At the Duty Point:		
(i)	Delivery (l/s)	
(ii)	Head (m)	
(iii)	Efficiency (%)	
(iv)	Absorbed Power (kW)	
At Maximum Delivery Rate:		
(i)	Delivery (l/s)	
(ii)	Head (m)	
(iii)	Efficiency (%)	
(iv)	Absorbed Power (kW)	
Maximum delivery head at no flow condition (m)		

PUMP SET INFORMATION		
Weight of pump for service (kg)		
Weight of motor (kg)		
Total weight of complete unit (kg)		

Schedule 22: Details of Electrical EQUIPMENT

1. LOW VOLTAGE DISTRIBUTION BOARDS	BOREHOLE PUMP	
1.1 Manufacturer		
1.2 Current-carrying capacity of busbars		
1.6 Fault capacity	kA	MVA
1.8 Manufacturer and type of isolator		
1.9 Manufacturer and type of circuit breakers		
1.10 Manufacturer and type of switch-fuse units		
1.11 Manufacturer and type of kWh-meters, ammeters and voltmeters		

2. MOTOR CONTROL DISTRIBUTION BOARDS	BOREHOLE PUMP	
2.1 Manufacturer		
2.2 Current-carrying capacity of busbars		
2.7 Fault capacity	kA	MVA
2.8 Type of construction of board		
2.10 Manufacturer and type of circuit breaker		
2.11 Manufacturer and type of switch-fuse units		
2.12 Manufacturer and type of contactors		
2.13 Manufacturer and type of current transformers		

DETAILS OF ELECTRICAL EQUIPMENT, continued

2. MOTOR CONTROL DISTRIBUTION BOARDS, continued	BOREHOLE PUMP
2.14 Manufacturer and type of auxiliary relays	
2.15 Manufacturer and type of motor protection:	
2.15.1 Small motors	
2.15.2 Large motors	
2.16 Manufacturer and type of ammeters and voltmeters	
2.17 Manufacture of hour meters for each pump	
3. LOW VOLTAGE CABLES	
3.3 Specifications to which cable is manufactured	
3.4 Manufacturer	
4. STARTERS	
4.1 Manufacturer	
4.2 Model	
4.3 Rated operating current	Amps
4.4 Rated operating voltage	Volt
4.5 Maximum heat dissipation	Watts
4.6 Auxiliary contact rating	
4.7 Surge/transient protection (MOV, etc.)	
4.8 Motor protection features	
4.9 Maximum starting current under locked rotor conditions	Amps

5.	LOW VOLTAGE MOTORS	
5.1	Name of manufacturer	
5.2	Place of manufacture	
5.3	Type of motor	
5.4	Type of frame	
5.5	Class of insulation	
5.6	Speed of rotation	rpm
5.7	Rated output	kW
5.8	Full load current	
5.9	Efficiency at:	
5.9.1	Full load	
5.9.2	Three-quarter load	
5.10	Power factor at:	
5.10.1	Full load	
5.10.2	Three-quarter load	
5.11	Starting current	
5.12	Winding thermistor, hot resistance	
5.13	Winding thermistor, cold resistance	
5.14	Normal starting time at 100% voltage:	
5.14.1	Starting against closed valve	
5.14.1	Starting against open valve	
5.15	Mass of motor	
5.16	Moment of inertia of rotor (kg m ²)	

Schedule 23: Schedule of Guarantees Offered

Item of Equipment	Guarantee Period	No. of Days to Effect Repair
PVC Pipe		
HDPE Pipe		
Steel Pipe		
Air Valves		
Pump and Motor		
Other Valves		

DATE

SIGNATURE OF TENDERER

Schedule 24: Attachments to Tender Document

Attachments by tenderer

Attachment No.	Attachment Name / Drawing No.	Details

Section 9: Contract Data

Contract Data

With the exception of the items for which the Employer's requirements have been inserted, the following information must be completed/signed before the Tender is submitted.

Item	Sub-Clause	Data
The Defects Liability Period	Clause 1.1.1.13	365 days
The time for achieving Practical Completion of the whole of the Works is complete	Clause 1.1.1.14:/...../.....to/...../..... (150 Days)
Employer's name	Clause 1.1.1.15:	Ministry of Economic Planning and Development Microprojects Programme Coordination Unit
The Pricing Strategy	Clause 1.1.1.26:0	Re-Measurement Contract
The Physical address of the Employer	Clause 1.2.1.2:	Dlanubeka Building, First Floor, corner Lalufadlana & Mdada Street, Mbabane
Employer's Agent's name	Clause 1.1.1.16	Ministry of Natural Resources & Energy, Department of Water Affairs
Employer's Address	Clause 1.2.1.2:	The Director Microprojects Programme P.O. Box 2122 Mbabane
The documentation required before commencement with Works execution are:	Clause 5.3.1:	<ul style="list-style-type: none"> ○ Healthy and Safety Plan (Refer to Clause 4.3) ○ Initial programme (Refer to Clause 5.6) ○ Securities (Refer to Clause 6.2) ○ Insurances (Refer to Clause 8.6)
The time to submit the documentation required before commencement with Works execution	Clause 5.3.2	14 days
The non-working days	Clause 5.8.1:	Sundays
The special non-working days are:	Clause 5.8.1:	<ol style="list-style-type: none"> 1. Public holidays 2. The December/January year-end break

Normal working hours		08.00 – 18.00, Mon – Friday 08.00 – 12.00, Saturday
Item	Sub-Clause	Data
The penalty for failing to complete the Works		0.1 % per day of the Contract Price, in the currencies and proportions in which the Contract Price is payable.
Maximum amount of penalties		10% of the final Contract Price, after which termination can be considered
The latent defect period is	Clause 5.16.3:	10 years for Civil Engineering works,
The percentage allowance to cover overhead charges	Clause 6.5.1.2.3:
The limit of retention money	Clause 6.10.3:	10 % of the Final Contract Price, in the form of cash retained from Payment Certificates
Governing Law	Clause 1.3.2	Eswatini
Language for communications	Clause 1. 3.3:	English
The value of Plant and materials supplied by the Employer to be included in the insurance sum	Clause 8.6.1.2:	Not Applicable
The amount to cover professional fees for repairing damage and loss to be included in the insurance sum	Clause 8.6.1.3:	10 % of the final Contract Price
The limit of indemnity for liability insurance	Clause 8.6.1.3:
The number of Adjudication Board Members to be appointed	Clause 10.5.3	three
Time for access to the Site		14 days
Amount of Performance Security		10 % of the Accepted Contract Sum, in the currencies and proportions in which the Contract Price is payable

Initials of signatory of Tender.....

Section 10: Programme of Works

Attach proposed work programme and method statement for the performance of the Contract here!!