

DIVISION 01
GENERAL REQUIREMENTS

Item	Description	Unit	Qty
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GENERALLY

Tenderers are to comply exactly with the pricing requirement of preliminaries, as presented hereafter

- A These preliminaries are applicable to the whole of the works. If the tenderer wishes to price any of the items contained herein, then each such item, clause or sub clause must be individually priced. The tendered shall not enter any lump sums covering more than one or all items, clauses and sub-clause. Where any item, clause or sub clause is not priced, it shall be deemed that the value is included in the rates for measured items elsewhere in these Schedule of Rates.
- B Tenderer will deemed to have examined the Drawings, the Specifications, to have read the Instructions to Tenderers, the Form of Agreement, the Conditions of Contract, the Form of Tender and to have visited the site and made themselves aware of all conditions including the supply of labor and materials, and are to allow in their tender for all costs, expenses, risks, liabilities and obligations set forth in or implied by the documents and drawings, and their tender price shall be deemed to include for supplying, installing, constructing, completing and maintaining the works in accordance with the terms of the Contract.

DESCRIPTIONS

- C The descriptions included in these Schedule of Rates to describe the workmanship and materials necessary for each items are not necessarily complete. The Tenderer is referred to the Conditions of Contract, Technical Specifications, other Documents and the Drawings, for further information concerning the work. No claim or variation will be considered on account of his failure to acquaint himself with such information.

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Item	Description	Unit	Qty
<u>DESCRIPTIONS (CONT'D)</u>			

- A The tenderer shall satisfy himself as to the meaning of every item in the Schedule of Rates and the prices inserted by him will be deemed to cover all his obligations under the Contract and all matters and things necessary for the proper construction, completion and remedying of any defects including, but not by way of limitation, for all temporary works required (including any that may be required by sub-contractors, whether nominated or otherwise).

The price shall include for all materials, furniture, fixtures and labor and for the provision and use of all plants (whether mechanical or non-mechanical) required for the expeditious carrying out of the works in their proper sequence, including for shifting, altering and adapting such temporary work and plant as may be required during the progress of the works, and removing on completion and making good any surfaces disturbed; and if not included in a price inserted against the Conditions of Contract clause following, for the guarantees and bonds required for the costs of preparing a tender, for the work in connection with measurements and final account, for profit, and for all establishment charges and on costs of whatever nature. No claim for additional payment will be allowed for any error or misunderstanding by the Tenderer in these aspects.

- B The tenderer shall price all items for all sections which he considers have a value. If any item are not proceed by the Tenderer, they will be deemed to be of no value or that their value has been spread throughout the rates of the other items.

CONDITIONS OF CONTRACT

- C The conditions of contract shall be as contained within the Tender Documents. The tenderer shall allow for all costs of complying with the Conditions of Contract.

MOBILIZATION / DEMOBILIZATION

- | | | | |
|---|------------------------------------|----|---|
| D | Provide for general mobilization | LS | 1 |
| E | Provide for general demobilization | LS | 1 |

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Item	Description	Unit	Qty
<u>GENERAL REQUIREMENTS</u>			
A	Coordination and meetings	LS	1
B	Project Coordination	LS	1
C	Cutting and Patching	LS	1
D	Reference standards	LS	1
E	Submittals	LS	1
F	Construction Progress Schedules	LS	1
G	Network analysis schedules	LS	1
H	Quality control	LS	1
I	Testing services	LS	1
J	Construction facilities and temporary controls	LS	1
K	Safety and Security	LS	1
L	Access Roads and Parking Areas	LS	1
M	Traffic regulations	LS	1
N	Field offices and sheds	LS	1
O	Material and equipment	LS	1
P	Substitutions	LS	1
Q	Starting of systems	LS	1
R	Contract closeout	LS	1
S	Operation and maintenance data	LS	1
T	Warranties and Insurance	LS	1
U	Shop Drawings and As Built Drawings	LS	1

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SPECIFIC REQUIREMENTS

Tenderers are referred to the "Instruction of Tenderers" and are to price accordingly here

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|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|
| A | Allow the net Sum for the appointment of a Professional Design Consulting Firm and Specialist Consultants to undertake the completion of the design for this Contract | LS | 1 |
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SCHEDULE OF RATES

- B The rates for all work are to include for all cutting (straight, raking or curved) as necessary
- C Earthworks is to include for earthwork support
- D Earthworks shall include for excavating in rock, unstable ground, existing Note materials and obstructions, cavity probing, below water level or any other condition
- E Earthworks shall include for the levelling and compacting bottoms and for Note keeping excavations free from water and treating the surface with anti-termite control
- F Filling shall include for compacting in layers and grading to contours
- G Concrete work shall include for all formworks
- H Concrete work shall include for all fair faced finish formwork
- I Reinforced concrete work shall include for all reinforcement
- J Masonry work is to include for faced or fair faced work as necessary
- K All timber sizes specified are finished sizes
- L Sawn and finished timber have not been separately identified
- M Door jambs, heads, linings, etc, have not been measured separately but are to be included in the item of the door

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SCHEDULE OF RATES (CONT'D)

- A Glazing is deemed to be included as part of the item which is glazed
- B Where stated in the description, items of work are to include for the application of decoration system
- C The rate for adhesive fixed wall tiling are to include for a cement and sand backing coat of the thickness necessary to bring out the tile face the required distance from the face of the supporting wall as shown on the drawings
- D The rates for finishing are to include for all fair joints, outlets, working over and around obstructions, pipes and the like, into recesses and shaped inserts
- E
Patterned work is deemed to include all extra work involved
- F Suspended ceilings have been measured as the flat area irrespective of drop and bulkheads. The contractor is to allow for all work and material necessary for the varying levels of the suspended ceiling heights and for the construction of vertical bulkheads.
- G The rates for items of pipework are to allow for all fittings, valves and the like irrespective of size, except where so measured separately
- H Attendance on works by others is to include for decanting equipment from containers, unloading, storing, placing into position, unpacking and the installation of all connecting pipe work, controls and power cables, including the testing and commissioning of all equipment

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SCHEDULE OF RATES (CONT'D)

- A The item of Incidental works shall be deemed to include the following:

1. Identification, which shall include plates, discs, labels, charts and color coding

operating completed installations and providing fuel and power

3. Tools and spares, which shall include loose keys and consumable stores

4. Documents, which shall include drawings, operating instructions and maintenance manuals

5. Co-ordination with other Engineering installations

6. Cutting of forming holes, mortices, chases or the like and making good finishing

7. Building in or cutting and pinning brackets or the like and making good finishings

8. Removing protective coating or wrapping

9. Cleaning and polishing exposed surfaces

- B The tenderer is to price here for any obligation which has not been allowed for elsewhere. This includes for any item missed in the schedule of pricing but necessary for the completion of the works in accordance with tender documents. Failure to price here will be deemed that all obligations have been considered and their value if not priced specifically, has been spread throughout the rates of other items

LS 1

DIVISION 02
SITE WORKS

Item	Description	Qty	Unit
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EXCAVATION AND EARTHWORK

Excavate lot to scrap off the existing surface of any irregularities and debris and excavate foundations and grade beams to required depth, disposing of debris in proper dumping location. The price shall cover all sorts of soil and to the necessary depth under the water tower and mechanical room's foundations.

The contractor shall provide all equipments, workmanship, and execute the required works to the satisfaction of the Engineer.

A	Excavation in all kinds of soil or surface	1800	m3
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EARTHFILLING

The contractor should provide fill materials and carryout filling operations in the areas indicated and as instructed by the engineer. The filling shall be placed and compacted in uniform layers of 15cm thick. And each layer of material shall be compacte

B	Backfill	1200	m3
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C	30 cm hardcore gravel fill under blinding beds	470	m3
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DIVISION 03
CONCRETE WORKS

Item	Description	Qty	Unit
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CAST IN PLACE CONCRETE

Plain in-situ concrete 20 Mpa, cement content 350Kg/m³, as specified and as shown on the drawings

A	100mm average thickness blinding beds under footings	156	m3
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Reinforced concrete minimum strength 35 Mpa cement content 450 Kg/m³, (reinforcement measured separately); all as specified and as shown on the drawings:

B	Foundations	453	m3
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C	Walls and Slabs	685	m3
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STEEL REINFORCEMENT

High and Mild yield steel reinforcing bars including cutting, bending and and placing with tie wires as specified and as shown on the drawings

D	All diameters	100	Ton
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