**10 . BILL OF QUANTITIES**

###

### SUPPLY& INSTALLATION OF AUTO COUPLING TYPE WET/DRY WELL ELECTRICALY DRIVEN SUBMERSIBLE PUMPS

### AND ACCESSORIES

**CONTRACT No. ………………………………….**

**BILL OF QUANTITIES**

## NOTES

1. **Documents to be read in conjunction with the Bill of Quantities**

 1.1 Attention is directed to the Form of Bid, Notice to Bidders, Instructions to Bidders, Conditions of Contract, Specifications and Appendices, which are to be read in conjunction with the Bill of Quantities.

2. **Description of Items**

 2.1 General obligations and general descriptions of work and material given in the Conditions of Contract and the Specifications are not necessarily repeated in the Bill of Quantities.

 2.2 Descriptions attached to the items in the Bills of Quantities are only sufficient detail to ensure identification of the work described in the Specification.

 2.3 Reference is to be made to the Conditions of Contract, Specifications and the Appendices for detailed information.

3. **Contracts to be priced completely**

 3.1 The Bidders may price one or more of the Bills in the Bill of Quantities. Each priced bill must be complete by itself and the final summary, covering all bills, must be completed.

4. **Rates and Prices to be fully inclusive**

 4.1 In pricing the items of the Bills, the Bidder shall cover himself and will be deemed to have covered himself for:‑

 a) All services and materials which according to the true intent and meaning of the contract may be reasonably inferred as necessary for completion of delivery/installation of the materials and equipment in sound condition to the site as indicated in the schedule of requirements.

b) All obligations, liabilities and responsibilities that the Contract Documents place upon the Bidders in connection with or in relation to the Contract.

 4.2 The Bidder shall include in his Bided prices, unless itemised separately for :‑

1. All costs arising out of inspection and testing at the place of manufacture.
2. All costs of packing as specified or as required for export overseas and storage.
3. All costs and insurances of delivering the materials to the site/stores as indicated in the Schedule of Requirements.
4. All costs incurred in the installation of pumps/control panels and all necessary accessories according to the drawings and specifications.

5. Bids with unit prices which are so unbalanced as to be detrimental to the Employer's interests may be rejected or cause rejection, at the discretion of the Employer.

6. Unit rates accepted by the Employer shall be held good and effective until the work is completed and accepted by the Employer.

7. A rate and/or price is to be entered against each item in the Bill of Quantities whether quantities are stated or not. The cost of any item against which a rate has not been entered shall be deemed to be covered by other rates in the corresponding bill.

8. All bends, tees & reducers shall be from a single source of manufacture. Fittings from different sources of manufactures shall not be accepted. ISO 9001: 2015 for quality assurance issued by a accredited body should be forwarded along with the Bid for all items offered.

9. Cost of Inspection and Testing by the Independent Inspection and Testing Agency shall be as per the **Clause 25** of the Conditions of Contract.

### SUPPLY& INSTALLATION OF AUTO COUPLING TYPE WET /DRY WELL ELECTRICALY DRIVEN SUBMERSIBLE PUMPS

### AND ACCESSORIES

**CONTRACT No. ………………………………….**

**BILL OF QUANTITIES**

**BILL No 01: General Bill**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Description** | **Qty.** | **Unit** | **Rate (Rs.)** | **Amount (Rs.)** |
| 1. | Allow for all insurance works to be provided during Installation period for the items in this bill | - | Item |  |  |
|  2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |
|  | Total of Page No. ……..carried toSummary in Page No……. |  |  |  |  |

### SUPPLY& INSTALLATION OF AUTO COUPLING TYPE WET/DRY WELL ELECTRICALY DRIVEN SUBMERSIBLE PUMPS

### AND ACCESSORIES

**CONTRACT No. ………………………………….**

**SUMMARY OF BILL NO. 01**

|  |  |
| --- | --- |
| **Page Number** | **Amount****Rs. Cts.** |
| Page No. ...... |  |
| Page No. ........ |  |
|  |  |
| Total of Page No…….. Carried toSummary of Bills in Page No. ….. |  |

### SUPPLY& INSTALLATION OF AUTO COUPLING TYPE WET /DRY WELL ELECTRICALY DRIVEN SUBMERSIBLE PUMPS

### AND ACCESSORIES

**CONTRACT No. ………………………………….**

**BILL OF QUANTITIES**

**BILL No 02: Supply Bill**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Description** | **Qty.** | **Unit** | **Rate (Rs.)** | **Amount (Rs.)** |
| 1 | Supply of wet well auto coupling type electrically submersible sewage pumping sets as specified in the specification of capacity …….. against a total head of ….. with duck foot bend, SS guide rails as shown in the drawing & ….. long Stainless Steel lifting chain as per the specifications. The each pump shall provide minimum of ….. long submersible power cables up to the panel board. (All SS material to be SS316) | 03 | Nos. |  |  |
| 2 | Supply of Identical Pump above with …..m long Stainless Steel lifting chain and minimum of ……m long submersible power cable as per the specifications.(The pump to be kept at the stores as a spare)  | 01 | No |  |  |
| 3 | Supply of DI pipes & fittings and specials as per the drawing …………………… including, Non return Valves(PN…,DN….), Sluice valves(PN…,DN….), Flange Adaptors , Couplings, with required all necessary accessories(pressure gauges, etc,)to full fill the requirement as per the drawing.(Rate to include all necessary pipes supporting arrangement as per drawing.) | - | Item |  |  |
| 4 | Supply of floor/wall mounted type electrical panel complete with all necessary accessories, switchgears, cables, earth system, Junction box(IP68) etc, and level monitoring equipments as float sensors/ultrasonic level sensors and their cables for the above pumps as per the specification | - | Item |  |  |
|  | Total of Page No. ……..carried toSummary in Page No……. |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Item*** | ***Description*** | ***Qty.*** | ***Unit*** | ***Rate (Rs.)*** | ***Amount (Rs.)*** |
| 5 | Supply of spares, as specified in specifications for satisfactory operation of the pumps. (Bidder shall submit an itemized and priced list of spares). | - | Item |  |  |
| 6 | Supply of four complete sets of pump catalogues, manuals, spare parts manuals etc. as specified in specification  | - | Item |  |  |
|  |  |  |  |  |  |
|  | Total of Page No………….carried toSummary in Page No……. |  |  |  |  |

(***This is a sample format for BOQ and may be changed as per the relevant work***)

### SUPPLY& INSTALLATION OF AUTO COUPLING TYPE WET/DRY WELL ELECTRICALY DRIVEN SUBMERSIBLE PUMPS

### AND ACCESSORIES

**CONTRACT No. ………………………………….**

**SUMMARY OF BILL NO. 02**

|  |  |  |
| --- | --- | --- |
| **Page Number** | **Unit** | **Amount****Rs. Cts.** |
| Page No. ...... | - |  |
| Page No. ........ | - |  |
| Cost of Inspection and Testing by Independent Testing & Inspection Agencies per clause no 25.6 of Conditions of Contract | Sum |  |
| Total of Page No…….. Carried toSummary of Bills in Page No. ….. | - |  |

Revised on 29-05-2019

### SUPPLY& INSTALLATION OF AUTO COUPLING TYPE WET /DRY WELL ELECTRICALY DRIVEN SUBMERSIBLE PUMPS

### AND ACCESSORIES

**CONTRACT No. ………………………………….**

**BILL OF QUANTITIES**

**BILL No 03: Installation Bill**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Description** | **Qty.** | **Unit** | **Rate (Rs.)** | **Amount (Rs.)** |
| 1 | Installations of pumps, pipe & fittings and accessories supplied under above Item No2 & 4. including all necessary supporting arrangements as per drawings. (Rate to include for construction of suitable concrete foundations, metal and welding, breaking and making good of walls and floor] | - | Item |  |  |
| 2 | Installation of the panel and level monitoring equipments supplied under above Item 06 and with all accessories, laying & fixing cables etc. Including construction of panel supporting structures using Grade 20 concrete. |  |  |  |  |
| 3 |  Testing and commissioning of all above equipment to the satisfaction of Engineer. |  |  |  |  |
|  | Total of Page No. ……..carried toSummary in Page No……. |  |  |  |  |

 (***This is a sample format for BOQ and may be changed as per the relevant work***)

### SUPPLY& INSTALLATION OF AUTO COUPLING TYPE WET/DRY WELL ELECTRICALY DRIVEN SUBMERSIBLE PUMPS

### AND ACCESSORIES

**CONTRACT No. ………………………………….**

**SUMMARY OF BILL NO. 03**

|  |  |
| --- | --- |
| **Page Number** | **Amount****Rs. Cts.** |
| Page No. ...... |  |
| Page No. ........ |  |
|  |  |
|  |  |
| Total of Page No…….. Carried toSummary of Bills in Page No. ….. |  |

**SUPPLY& INSTALLATION OF AUTO COUPLING TYPE WET/DRY WELL AND DRY WELL ELECTRICALY DRIVEN SUBMERSIBLE PUMPS**

 **AND ACCESSORIES**

**CONTRACT No. ………………………………….**

**SUMMARY OF BILLS**

|  |  |  |  |
| --- | --- | --- | --- |
| Bill No. | From page No. | Description | Amount |
| Rs. | Cts. |
| 01 |  | General Bill |  |  |
| 02 |  | Supply Bill | …………….. | …………….. |
| 03 |  | Installation Bill | …………….. | …………….. |
|  |  |  |  |  |
|  |  | **Sub Total (1)** |  |  |
|  |  | Less Discount (if any) |  |  |
|  |  | **Sub Total (2)** |  |  |
|  |  | Add Contingencies [Sun Total (1) – P.Sums] x 10% |  |  |
|  |  | **Total of Bid carried to Form of Bid (excluding VAT) in page 3-1** |  |  |

VAT Registration Number : ………..……………….

(A copy of the VAT Registration Certificate shall be annexed.)

Note :- The NWSDB VAT Registration No :- 4090 31820 7000.

Revised on 29-05-2019