

PREAMBLE TO BILL/ SCHEDULE OF QUANTITIES

- A. Tender shall be on the basis of item rates which shall include the cost of materials, labour, all taxes, duties and all other services required for the complete installation, testing and commissioning in accordance with the relevant NEC/IER and code in practice including the fees for inspection together with the liabilities and obligations as detailed in the general conditions of contract. It will also be the responsibility of the bidder to obtain all types of sanctions etc like power/light connections and the drawings etc if any, required by the concerned local authorities.
- B. Prices shall remain firm and free from variation due to rise and fall in the cost of materials and labour or any other price variation whatsoever whether during extended period of completion, if any.
- C. Item rates shall remain valid for any variation in the estimated quantities given in schedule of quantities.
- D. In order to facilitate the technical scrutiny of the various quotations, the bidder must supply with their quotations detailed technical particulars make catalogues and erection drawings for various items under different parts specified in the schedule of quantities.
- E. The drawing and specifications lay down minimum standard of equipment and workmanship and the deviations. In the absence of any deviations, it will be deemed that the bidder is fully satisfied with the intents of the specifications and drawings and their compliance with the statutory and fire insurance provisions including local codes, where the drawings and specifications conflict, the stringiest shall apply.
- F. All equipments and the installations shall be tested as specified and a test certificate in the prescribed form as required by the local supply authorities shall be furnished.
- G. The entire installation shall be guaranteed against defective materials or workmanship for a period of 12 months from the date of the installation certified by the Consultant and taken over by the Client. During the guarantee period all the defects shall be rectified by the contract free of cost.
- H. The successful bidder shall submit the shop drawings to the Consultant for approval prior to start the work. The approval of these drawings will be general and will not absolve the contractor of the responsibility of the correctness of these drawings. At least 6 copies of the approved drawings shall be supplied to the Consultant for their distribution to the various agencies at site at no cost to the Client.
- I. The position of distribution boards and switchboards may require some minor adjustments due to either site requirements or change in structural layout. All such changes from the position, shown in the drawings, shall be required to be incorporated without any extra payment or deduction for change in length of wiring etc.
- J. The bidders must see the site conditions and take all the aforesaid and foregoing factors while quoting the rates, as no extra payment will be allowed on any ground arising out of or relating to the aforesaid and foregoing.
- K. In single phase (230 V) A.C. supply system circuit wires of same phase shall be drawn in same conduit. For 3 phase, 4 wire wiring system wires of different colour shall be used and for insulated neutral only black colour wire shall be used.
- L. The bidder shall include in his rates for painting with three coats of synthetic enamel paint to match the surroundings or as directed by the Consultant for all steel structure used for works at no extra cost.
- M. The successful bidder shall supply completion drawings of the entire installation on tracing cloth as well as three prints of each drawing showing the complete wiring diagram as executed at site drawn to scale approved by the Consultant after the completion of work but before completion certificate is given by the Consultant.

- N. After laying and jointing the cables shall be subject to necessary tests as stipulated in IS: 5959 (Part-I): 1970.
- O. As more than one make is mentioned, prior approval of particular make for use shall be obtained from the Consultant. All samples of all electric fittings and other accessories shall be approved by the Consultant prior to their installation.
- P. No alteration whatsoever is to be made to the text of quantities of this schedule of quantities, unless such alteration is authorized in writing by the Consultant. Any such alteration or addition shall, unless authorized in writing, be disregarded when tender documents are considered.
- Q. Any error in description or in quantity or omission of items from the contract shall not vitiate this contract but shall be corrected and demand to be a variation required by the Consultants.
- R. All measurements shall be taken in accordance with the Indian Standard Electrical Installation in buildings method of measurements of IS: 5908:1970, unless otherwise specified.
- S. The contractor shall provide, within one month after completion of the work or along with the final bill, three sets of manuals properly bound which shall contain the following information:
1. Description of installation items using main items of equipments.
 2. Description of all equipments and system operation with trouble shooting manuals.
 3. Line diagram of each system including main feature of equipments and showing method of setting controls.
 4. Method of fault finding, routine, adjustment and wiring diagram.
 5. Description of routine maintenance, oil and greasing points and recommended lubricants.
 6. Manufacturer service manuals for all equipments.
 7. Spares reference manuals.
- T. The contractor shall provide the following at no extra cost to the Client.
1. Danger Notice Boards
 2. Treatment for electric shock giving details of FIRST AID TREATMENT with chart diagrams (mounted in suitable frame).
 3. Line wiring diagrams of the electrical system mounted in suitable frame.
- U. The contractor will remove all the debris and surplus earth from work site (belonging to his work) free of cost.

END OF SECTION