

**Name of Work: Residential wiring work for D-Type Quarters (26 Nos.) at Gopalpuri at DPA -Electrical Part**

**SPECIAL CONDITIONS FOR ELECTRICAL PART**

1. In the event of dimension figures upon a drawing differing from those obtained by measuring drawings shall be referred to the Chief Mechanical Engineer, whose decision shall be final and binding upon the Contractor.
2. The Contractor shall submit the coloured three sets Hard copy of approved drawing of cable routes, circuit diagram of LT installation layout, plans of wiring with technical literature and soft copy and also three sets of as made drawing on completion of work along with tracing.
3. While carrying out the work of electrical nature, the Contractor shall adhere to the provisions of the Indian Electricity Rules, 1956 and as amended from time to time and shall not violate any Regulations, which he will be solely responsible.
4. While crossing the rail/road, damaged caused to it should be set right by Tenderers to the Satisfaction of the Executive Engineer (TD), Deendayal Port Authority. Before laying the new cables at existing route through Road/ rail / jetty, contractor shall take written permission from Engineering –In-Charge, in this regard contractor shall make earmarked drawing in two set, which will clear indicated the whereas cable will pass and take permission from TD Division. After completion of new cable, laying work contractor shall take NOC from Harbour Division regarding satisfactory completion of Road/Rail/RCC crossing work at inside cargo jetty area & copy of NOC same should be submitted to Executive Engineer (Electrical).
5. The work shall be programmed in such a way that the electric supply to the existing installations is not disturbed to the extent possible keeping in view of the work of cutting existing cables, making straight joints and terminating cable ends in the feeder pillar, switchgear etc. shall be carried out within the shortest possible shut down periods to instruction.
6. Armouring of the PVC-A-PVC / XLPE armoured cables shall be effectively earthed at the termination glands and connecting to the nearest earth point. The tail end shall be taped with PVC adhesive tape appropriate colour.
7. The cable to be supplied by the Contractor shall be in standard drum length and straight joint shall be avoided as far as possible. In case same cannot be avoided the Contractor shall supply the requisite number of straight joints complete with jointing materials and accessories shall carry out the jointing work at their cost.
8. Necessary marking and lettering giving details of the circuits, cables etc. shall be carried out on the pedestal and LT panels as per the directions given.
9. All the supporting framework of the DB/LLP and other equipment shall be painted with two coats of primer and two coats of finishing paints of grey shade

no 631 of IS: 5 after proper surface Cleaning, de-greasing, chemical cleaning as per the recommendation of the manufacturer.

- 10.** Caution board vitreous enamelled written in three languages, one being the regional language, shall be fixed or displayed to indicate danger and supply pressure according to the Indian Electricity Rules 1956 wherever the supply is at 440 Volts and above.
- 11.** Necessary cable route indicators and cable joint indicators shall provide at an interval of 100 Meters approximately.
- 12.** The Contractor has to provide the materials and equipments of following make as per the approved list attached.
- 13.** The contractor shall study the local working conditions at the site of work before tendering and no claim what-so-ever shall be entertained.
- 14.** The work shall be carried out in accordance with the best standards of workmanship and to the entire satisfaction of the Engineer-in-Charge.
- 15.** The electrical installation shall conform to all currently applicable ISI specification such as IS: 732, IS: 3043, IS: 2309, IS: 3045 etc. with up to date amendments including relevant IEC regulation and Indian Electricity rules 1956 with up to date amendment.
- 16.** Necessary earthing of wiring, Load Panel, etc. set will be carried as per the IE rule & Act.
- 17.** For laying the new supplied cable, contractor shall take route approval in drawing from EIC same will be send to Civil Department for permission through proper channel for Civil Item like Road/Rail/RCC Crossing,
- 18.** For High Mast, Foundation work shall be carried out under supervision of Civil Engineering Department. Necessary Drawing & Material for foundation shall be approved from civil Engineering Department.
- 19.** The Tenderers shall quote the rate for cable lying, which shall include the, cable tagging, dressing, end termination, appropriate size of glands & ferrule work as per requirement etc.
- 20.** All wiring, shall be concealed/Surface as per specification & LED fittings will be surface mounted Bulk Head, hence at the time of CIVIL work , firm shall be planed accordingly & continues touch with EIC, For concealed wiring / Points/ sub Ckt. /location of LED fitting, LPP/Meter/DB, otherwise firm shall be responsible for any untoward situation & no claim what-so-ever shall be entertained
- 21.** Queries about the Technical Data  
The Engineer-in-Charge will clarify queries on the Technical Data.
- 22.** Instructions  
The contractor shall carry out all instructions of the engineer or his nominee which comply with applicable laws where the site is located
- 23.** Safety  
The Contractor shall be responsible for the safety of all activities on the Site.

**24. Quality Control****Identification of Defects**

The Engineer-in-Charge or his nominee shall check the work carried out by Contractor and notify the Defects found if any. The Engineer-in-Charge or his nominee may instruct the Contractor to rectify the Defect.

**25. Employer's right of Rejection:**

The employer shall reserve the right to reject a part portion or consignment thereof within a reasonable time after actual delivery thereof at the place of destination, if consignment is not in all respects in conformity with terms & conditions of the contract whether on account of any loss, deterioration or damage before dispatch or delivery or during transit or otherwise whatsoever

**26. Removal of Rejected goods:**

Rejected goods shall under all circumstances lay at the risk of the contractor from the moment of rejection and if such goods are not removed by the contractor within 21 days from the date of intimation from the Engineer-in-Charge. Engineer-in-Charge may either return to the contractor at the risk and cost of the contractor by such mode of transport as the Engineer-in-Charge may select or dispose off such material at the contractor's risk on his account and retain such portion of the sale proceeds as may be necessary to recover any expenses incurred in such disposals.

**27. Deviations:**

The bidder must read the tender document carefully and prepare the bid for submission. It is important to note that deviations, if any, must be brought out clearly in the technical offer, which shall be examined by DEENDAYAL PORT AUTHORITY. If the deviation statement submitted by the bidder does not contain any item, then it shall be construed that the bidder has accepted the same and no request from the Contractor, for any change, shall be accepted by DPA at a later stage. In any case, no change in specifications given in the tender agreement shall be permitted. However, only in unavoidable circumstances, DEENDAYAL PORT AUTHORITY may consider such requests from the Contractor, provided the Contractor submits its request with adequate justification.

**28. Approvals:**

The Engineer-in-Charge shall give specific approval in writing within 7 Days to Contractor after written submission regarding Makes of Material to be used for the Contract and Drawings, if any to be furnished by the Contractor to Engineer-in-Charge for approval. Any corrections to be suggested by Engineer-in-Charge in drawings, the days taken for rectification in drawings shall be in account of the Contractor.

**29. Engagement of Labour:**

The contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

**30. Registers to be maintained at site.**

1. Site order Book:

A site order book is to be maintained by the contractor at the site. The work orders and instructions written in the site order book shall be deemed to have been legally issued to the contractor shall sign each entry in the site order book as a token of his having seen the same. The site order book shall be property of the Board and shall be handed over to the Engineer- in-charge of the work in good condition on the completion of the work or whenever required by the Engineer-in-charge or his authorized representative.

2. Hindrance Register:

Every type of hindrance arising during the execution of work should be invariably recorded in the hindrance register. The Hindrance Register is to be maintained by the Engineer In Charge at the site. The contractor shall sign each entry in the hindrance Register as a token of his having seen the same. The Hindrance Register shall be property of the Board.

**31. Indian Dock Safety Regulations:**

Necessary Indian Dock Safety Regulations for the safety purpose shall be adhered to by the contractor and he will be held responsible for any violation of the same.

**32. Labour License:**

The contractor will have to obtain License from Assistant Labour Commissioner (ALC), Gopalpuri, Gandhidham (Kutch), in case he is engaging ten or more workers on any day during execution of work.

**33. Payments Terms for Electrical Part:**

All payments shall be made in Indian rupees unless specifically mentioned.

- (i) 70% payment will be released after receipt of material at site in good condition, after obtaining insurance cover as per tender condition and after inspection & certification of the same by Third Party Inspection Agency (if required) and after inspection & acceptance of material by DPT.
- (ii) 20% of item rate after completion of erection, installation, testing and commissioning etc. and 90% of item rate for item covers only laying/fixing etc. (TPI appointed then after inspection & certification of the same by Third Party Inspection Agency).

- (iii) 10% will be released after successful completion of whole work (TPI appointed then after inspection & certification of the same by Third Party Inspection Agency) and handing over to DPT.

**34.** Valid Electrical Contractor license: The Contractor shall have valid Electrical Contractor's license for carrying out Electrical work of the nature involved in this tender obtained from Chief Electrical Inspector I.M. & P Department, Government of Gujarat without which the tender shall not be accepted. The Contractor shall submit certificate and copy of the license in lieu of the same for consideration. The Contractor shall also have a valid Electrical Supervisor's Certificate of competency issued from the Chief Electrical Inspector, I. M. & P. Department, Government of Gujarat or equivalent authority from the other States/Central Government.

**35.** In case of manufacturer/ Authorized dealer/ civil contractor who do not have valid electrical contractor license, they have to provide, their employee having electrical supervisory certificate while carrying out electrical works or The whole electric work carried out by the Sub Contractor should have electric license & having experience of the work carried out in Government / PSU or any industries, in this case firm shall take prior approval from Chief Mechanical Engineer, Deendayal Port Authority

**36.** Guarantee:

36.1 The guarantee period shall be valid up to 12 (Twelve) months with effect from the date of Completion Certificate of the work by DPA.

36.2 The Contractor shall give guarantee to the Board that the goods and services under this contract will comply strictly with the contract, shall be first class in every particular case and, shall be free from defects. The Contractor shall further give guarantee to the Board that all materials, equipment and the supplies furnished by him will be new and fit for their intended purposes.

36.3 The Board shall promptly notify the Contractor in writing of any claim arising under this guarantee. Upon receipt of such notice, the Contractor shall promptly repair or replace the defective goods and/or services at no cost to the Board. If the Contractor, having been notified, fails to rectify the defects in accordance with the contract, the Board may proceed to take such remedial action as may be necessary, at the Contractor's risk and cost.

**37.** Insurance:

37.1 The contract shall provide in the joint names of the employer and the contractor, insurance cover from the start date to the end of guarantee period for the following events which are due to the contractor risk:

- a) Loss of or damage to the works, plan and materials
- b) Loss of or damage to equipment

- c) Loss of or damage of property (except the works, plant, materials and equipment) in connection with contract, and
- d) Personal injury or death

37.2 All the materials shall stand insured from the time of arrival at site till commencement of erection against fire, pilferage, damage and against natural calamities for the value of 90 of each item.

37.3 During erection and till the work is completed and satisfactory taken over by the DPA after testing the materials shall stand covered by suitable erection insurance also for the value of 110% of the item. The charges for the insurance shall be borne by the Contractor.

### **38. LIQUIDATED DAMAGES**

Liquidated Damages shall be levied at the rate of 0.5% (per week) of contract value for delay of each week or part thereof subject to maximum of 10% of contract value in the event of failure to complete the work in the stipulated period of completion or such extension as may be granted.

### **39. Variation in Quantities of Schedule – B:**

The overall as well as individual variations shall be  $\pm 30\%$  in quantity for which the rate quoted by the bidder and accepted by the employer shall be applicable.

**40.** The contractor shall not deposit any materials at such a place that may cause inconvenience to the public or staff or nearby offices.

**41.** The Contractor shall execute the work in such a way that not to cause inconvenience to the public or staff or nearby offices and not to cause hindrance to traffic. Necessary barricading shall be done by the contractor at his own cost if required.

**42.** For the purpose of measurements, the method prescribed in standard code of measurements of the concern work shall be applicable.

**43.** Income-tax and surcharge as applicable will be deducted from the bill while making payment to the contractor for carrying out the work and only net amount shall be paid to the contractor.

**44.** All tools, plants, scaffolding ladder etc. and other machinery etc. required temporary for the purpose of execution of work will have to be arranged by the contractor at his own cost and storing of such tools, plants etc. will have to be made by him.

**45.** All the rules and regulations governing DPT will be applicable.

**46.** After completion of the work, the site should be neatly cleaned by the contractor.

**47.** The contractor shall ensure not to cause any damages to the port properties in the vicinity of work site during execution of work. If any damage occurs due to

workmen/ machinery of the contractor, the contractor has to make good the loss / damage at his cost.

**48.** All the work shall be carried out to the entire satisfaction of Engineer in Charge.

**Signature & Seal of Contractor**

**Executive Engineer (E)  
Deendayal Port Authority**