

WORK AND SITE CONDITIONS

1.0 Location.

The work area falls within Kheda District. The site at various drainages under Drainage sub division, Mahudha, Taluka:-Mahemdavad, Mahudha, kathlal, thasra. Dist.:-Kheda under Administrative Control of Executive Engineer, Shedhi Irrigation Division, Nadiad.

2.0 Details of sources of materials. :

The construction materials to be used like Rubble, Sand, and course aggregates are available at various places in Kheda and Anand Districts. There are various quarries in Kheda district where course aggregates are available. The above information are given in good faith and for general guidance to contractor. The contractor shall however, ensure and satisfy himself regarding all viz. the site condition, source of materials and their quantum. Available services etc.

Cement & Course aggregate

The coarse aggregates i.e. Metal and Kapachi (Coarse aggregates) are available at Mahemdavad, Mahudha, kathlal, thasra. Dist. Kheda and few other places nearby. While cement will be available in nearby town like Mahemdavad, Mahudha, kathlal, thasra/Nadiad . In the proposed work cement, sand, steel, course aggregates are to be used.

3.0 Only unskilled labours are available in nearby locations site. All skilled and semi skilled labour will have to be brought from outside.

4.0 No housing accommodation is available at the site. No godown or storage facilities are available at the site and the department will not be in a position to provide each facility at the site. The contractor shall have to make such arrangement for the work at his own risk and cost if found necessary.

5.0 Water supply.

Potable water will be available from dug well situated nearby the site. Contractor shall have to make their own arrangement for drinking water supply and also for the constructions purpose on the site of work.

6.0 The information and data mentioned herein above as well as shown or given in the various drawing accompanying the tender documents are for general information only. The department shall have no responsibility in respect of accuracy of these information, interpretation and information/ data are concerned. The contractor shall have to make their own investigation to satisfy themselves in regard to information/ data given herein above.

7.0 It shall be deemed that the contractors have satisfied themselves as to the nature and pertaining to transport handling and availability and storage of materials, availability of labor, weather condition, high flood level at site and that the tenderer has estimated his cost accordingly of such knowledge of site condition and also consequences thereof.

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8.0 Roads.

The contractor shall construct and maintain suitable inspection path or vehicle road in the work limit. Any required approach if necessary for the contractor's work shall be constructed/ removed if necessary at his own cost. There will, however be no charge of any reasonable use in any road constructed by Government.

9.0 Electric Power.

The contractor shall have to make their own arrangements for getting power supply difficulty is experienced in getting the power, the department may help in setting the difficulty to the extent possible without any colligation on the part of the department on this issue. The Power supply is available at nearby village the site.

10.0 Observation of forest.

During the construction period the labours and other employed agencies by the contractor, shall strictly observe the following requirement.

- a) Shall follow all the rules and regulation laid down by the forest department for observation by outsiders.
- b) Shall not possess or make use of any sorts of weapons (gun. Spares etc) explosive etc. and also shall not engage in hunting forest animals either flesh or for their biters.
- c) Shall not fall or break the trees for use as fire wood.

Purchase all the requirement of teak wood from authorized fire wood depots run by the forest department.

11.0 Medical Aid.

The Contractor shall make his own arrangement for normal medical aid to their staff and labour. For serious cases which have to send to civil and other hospital at Dakor.

The contractor shall also provide at his own cost first aid arrangement at various work sports in accordance with the labour rules and regulations and as may be directed by the Executive Engineer.

12.0 Post and Telegraph.

There is sub post office at near by village. No telephone facility is available at the site of work.

13.0 Supply of Petrol & Diesel.

At present there is no such facility available for petrol and diesel at the work site. But this facility is available at near by Village

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GENERAL SPECIAL CONDITIONS

1.0 Accuracy of Lines, Levels and Grades :

The various works shall be done true to line, level and grade. The periodical checking of these by the Government staff shall not absolve the contractor of his responsibility regarding their accuracy. In case of deviation or any discrepancy in line, level or grade at the meeting faces the contractor shall make good the discrepancy at his own cost and without any compensation for the additional work if any involved. Whenever such a discrepancy is found to arise at the junction of works of different contractors, the relative liability to set right their respective discrepancy on which the Engineer in charge whose decision shall be final and binding on the contractors, concerned. The Engineer in charge, shall, further have the unquestioned right, if need be to rectify the discrepancies and recover the costs from the contractor or contractors according to proportions as he may consider reasonable.

2.0 Testing of materials and works :

a. All materials before being incorporated in the work shall be inspected and if necessary tested before approval by the Engineer-in-charge. Any work, on which such materials are used without prior inspection (and when necessary, testing) and without approval or written permission of the Engineer-in-charge, is liable to be considered as unauthorized, defective and not acceptable.

b. The day to day and periodical tests to be carried out on materials & mixes etc. shall be specified by the Engineer in charge from time to time and the contractor shall allow all facilities and co-operation towards collection of samples etc. Unless otherwise specified, all Labour for collecting samples for tests will be supplied by contractor free of cost to Government. The deduction on account of testing charges shall be made from the contractor's bill as per clause 76(B2) which is applicable to this work also.

c. All materials shall be got tested at Govt. Local quality control lab/ Government recognized laboratories as where and when required or as per the instruction given by the engineer in charge. 10% tests for all materials / cubes obtained for testing must be tested in GERI laboratory. In that case transportation charges etc shall be born by the contractor.

d. The contractor shall have to establish concrete cube testing machine on site. Calibration shall be carried out before using for testing The contractor shall, however, supply all materials required to be tested and also make good at his cost, as may be directed by and to the satisfaction of the Engineer in charge. An authorized representative of the contractor shall remain present at the time when the samples are taken and shall authenticate the facts, if so required should the contractor's agent fail to be present as aforesaid, the samples taken by the Engineer or his representative shall be considered to be authentic. The contractor will, however, be informed of the details of such samples and having been taken.

e. The materials, mixes etc. shall be tested day to day or periodically at the Government approved Laboratory Govt. Engineering College /polytechnic or onsite laboratory and the results given thereby shall be considered correct and authentic by the contractor. The contractor shall be given access to all operations and tests that may be carried out as aforesaid so that he may satisfy himself regarding the procedure and methods adopted. It shall be contractor's responsibility to produce on the works, materials and finished items to the standards based on the laboratory designs and tests. If the testing facilities are not available at the Govt. Laboratory, testing shall be carried out at the laboratories as

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directed by the Engineer in charge in presence and witness of Engineer in charge or his representative. The necessary arrangement for sampling, transportations etc. shall be made by the contractor without any extra payment and the testing charges shall be deducted as per tender clause which is applicable to this work also. If the contractor fails in sampling & transportation of materials up to the laboratory, In time the department shall carried out the operation & recover the cost from the contractor's bill.

f.The methods of sampling and testing and the procedures and standard shall be as laid down by the Engineer from time to time.

3. SECURITY MEASURES :

In view of the strategic importance of all the projects and installations security restriction may be imposed by the Engineer as per directions of the security authorities and the contractor shall abide by all such instructions scrupulously. In case a system of identity cards in introduced the contractor shall at his cost provide for his person all such identity cards with photos, if necessary and get those duly signed by the Engineer or his duly authorized representative. The contractor shall also keep the Engineer in formed regarding all visitors and obtain proper permits for their visits. No unauthorized visitors will be allowed on work site.

4. CHANGE IN DESIGN AND DRAWINGS :

The drawing given with tender documents are on present available data. However during execution of work any change in design / drawing shall not vitiates the contract and no extra payment shall be made to the contractor.

The increase or decrease in quantities under the relevant item on account of above changes shall be paid only at the tender rate of the relevant items for increase or decrease in quantities up to 30% of the tendered quantities.

5. There may be delay in payment for the works executed by the agency for want of grant for the same, the contractor shall be bound to bear such delay without any claim in this regard.

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GENERAL SPECIFICATIONS

- 1.**The work in general shall be carried out in good workmanship like manner as well as to the correct section, gradient as per drawing and to the entire satisfaction of the Executive Engineer or his authorized representative.
- 2.**The site shall be cleared off all rubbish materials and heaps etc. And shall be handed over in neat and good condition after completion of work.
- 3.**Arrangements for proper steps or ladders for inspection of work shall be made by the contractor.
- 4.**Concrete shall be produced by Conventional mixer/Flory / fully automatic batching plant at all time and to be transported at site with suitable capacity transit mixer/Conveyor vehicle or other equipment approved by Engineer-In-charge.
- 5.**The contractor shall provide necessary road diversion etc. during the execution of work wherever necessary and maintain the same till the work is completed.
- 6.**The contractor to avoid accidents etc shall provide necessary night lamps and danger marks signals.
- 7.**Contractor shall make his own arrangements for providing labour and miscellaneous materials such as nails, pegs, coir string, forms template etc for the purpose of leveling necessary for giving the alignment and checking of work etc.
- 8.**Contractor shall provide a store near the site of work for the materials like cement, polyethylene films, Asphalt joint material etc. with double locking arrangements. One key shall be given to the authorized representative of the Executive Engineer the contractor shall take care for its safe custody and shall be responsible for loss damage etc.
- 9.**The work order book shall be maintained on site of work and the contractor shall sign the orders given by the officers or his agents and shall have to carry out the instructions properly.
- 10.**The contractor shall engage and authorized agent having full authority and also experienced & qualified technical person capable of managing and executing the work and he shall carry out the work as per the instructions given by the supervisory staff of the department from time to time. He shall clearly and distinctly understand that the condition of contract and specifications are intended to be rigidly enforced. No relaxation on the ground of custom prevailing shall be allowed.
- 11.**Extra charge for claim in respect of extra work shall not be allowed, unless the work to which they relate, are clearly beyond the spirit and meaning of the specification and such works are ordered in writing by the Executive Engineer, and claimed in the qualified manner before the work is taken up on hand.
- 12.**The work shall be carried out as per the specifications written especially for the items of work and in case of conflict in the specifications, the work shall be carried out as per specification given in P.W.D. Hand Book Volume I and II of 1949 Edition.

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13.Medical facilities shall be provided by the contractor in case of accident to laborers working on site of work. Moreover he shall also provide necessary first-aid-facilities on site of work. In case of accident, the rules regarding workman compensation shall be binding to the contractor and he shall undergo all procedures laid therein.

14.The contractor or his authorized agents should sign on working cross sections as well as in field books, etc. in token of acceptance for the purpose of earthwork calculation prior to starting the work. No dispute in regards of acceptance of levels shall be entertained in later stages after starting of the work.

15.The earthwork shall be carried out after making necessary profiles as per required sections.

16.The contractor shall provide laborers for taking measurements and levels of work, etc. whenever necessary.

17.In case of any discrepancy in items and specification of the work, the descriptions of the items given in the Schedule-"B" shall have precedence over those in specifications & drawings.

18.The contractor at his own cost shall carry out all the items mentioned above and for this no payments whatsoever shall be made by the department.

19.The contractor shall provide and fix the boards containing the information regarding works, office address and tender details as directed by Engineer-in-charge. (As per Govt. GR. No.MIS- 102010-17-(2)-K1 Dt. 29-1-2011)

20.The contractor shall provide photographs & Videograph before starting the works during construction and after completion of work at the time of submission of final bill.

21.The day to day periodical tests to be carried out of materials, mixes and placed concrete, mortar etc. shall be specified in the tender of by the Engineer/PMC from time to time and the contractor shall allow all facilities and co-operation towards collection of samples etc. Unless otherwise specified, all labour for collecting samples for tests will be supplied by contractor free of cost to Government.

22.The contractor shall, however, supply all materials required to be tested and also make good at his cost, materials, mixes, and core holes with similar or other materials as may be directed by and to the satisfactions of the Engineer.

23.An authorized representative of the contractor shall remain present at the time samples or cores etc. are taken and shall authenticate the facts, if so required should the contractor's agent fail to be present as aforesaid, the samples or cores etc., taken by the Engineer or his representative shall be considered to be authentic. The contractor will, however, be informed of the details of such samples and cores etc. having been taken.

24.All materials, mixes and cores etc. shall be got tested at Govt. Local quality control lab / PMC lab/ Government recognized laboratories as where and when required or as per the instruction given by the engineer in charge. 10% tests for all materials / cubes obtained for testing must be tested in GERI laboratory and the results given there by shall be considered correct and authentic by the contractor. The contractor shall be given access to all operations and tests that may be carried out as aforesaid so

that he may satisfy himself regarding the responsibility to produce on the works, materials and finished items to the standards based on the laboratory designs and tests.

25. The methods of sampling and tests and the procedure and standard shall be laid down by the engineer from time to time or as per various I.S. code prevailing now.

26. Huge quantity of soil require for embankment work. Agency has to manage for Borrow Area themselves so that required quantity of soil can be available in time for embankment work. The payment of quantity is made as per tendered rate. No extra payment shall be made.

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