

RITES Ltd. /Contract Policy Cell/Gurugram  
E-Tendering Document for works Feb 2023

Correction Slip No. 6

- (1) SI. No. 5 to SECTION 5 - TECHNICAL SPECIFICATIONS may be deleted and replaced with following:

**5. SPECIAL SPECIFICATIONS (NOT COVERED BY ANY STANDARD SPECIFICATIONS)**

(Include Special Specifications here, including Type of Tests, Lot Size, Frequency of Tests to be carried out for the materials/Items)

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- (2) SI. No. 7 to SECTION 5 - TECHNICAL SPECIFICATIONS may be added as given below:

**7. Quality Assurance Plan (QAP)**

The following is brought to the notice of the contractor in reference to QAP required to be followed by the contractor-

- (i) Clause 10A of Section-8 (Clauses of Contract) deals with "Materials to be provided by the Contractor" and includes provision of samples for all materials and testing by the contractor at his cost. This clause and the corresponding provisions in Schedule-F under Section-4 (Proforma of Schedules), indicates establishment of Laboratory at site or otherwise. Annexure B-1 of Section-8 (Clauses of Contract) indicates the "List of Field Testing Instruments, List Of Equipments For Field Testing Laboratory"
- (ii) Clause 11 of Section-8 (Clauses of Contract) deals with "Work to be Executed in Accordance with Specifications, Drawings, Orders etc." Schedule-F under Section-4 (Proforma of Schedules) defines the Specifications to be followed for the work under reference. Clause 28 indicates Action where no specifications are specified.
- (iii) Clause 49 of Section-8 (Clauses of Contract) on "Quality Assurance" indicates that the Contractor shall submit to the Engineer-in-Charge for his approval a Quality Assurance Manual for the works involved in the execution and Clause 49.2 indicates the Documents which can be referred for preparation of such Manual.
- (iv) Clause 54 of Section-8 (Clauses of Contract) on "Quality Audit" indicates that the Contractor will provide all logistic supports for such activities by way of arranging approaches, ladders, scaffoldings, manpower, etc. to the Employer.
- (v) Clause 16 of Section-8 (Clauses of Contract) deals with "Action in case Work not done as per specifications". The supervision/inspection of works by officers of RITES, Employer and CTE as well and also requirement of action by the contractor in case of deficiencies pointed out by these officers is given in this clause.

  
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(vi) Above provisions in particular and other provisions in the Tender Document are required to be followed for Quality Assurance of the works including (but not limited to) testing of materials, end products and also for the acceptance criteria for various items of work, workmanship, materials and process etc.

(vii) Supply of material, Lot size for testing, number of required tests and frequency of testing etc. shall be as given below:-

(a) The materials to be arranged should comply strictly with the specifications laid down and referred to in the contract.

(b) Before start of work, the contractor shall at his own expense supply to the Engineer-in-Charge samples of materials to be used in the work and get them approved in advance. For this purpose, the contractor shall furnish Test Certificates or have the materials tested at his cost to satisfy the Engineer-in-Charge that the materials comply with the specifications. Materials as per the sample may be arranged by the contractor for use in works only after the samples have been approved by the Engineer-in-Charge. The samples shall be kept in safe custody to check that material of same quality as the approved sample is actually used in the work.

(c) The type of tests/Mandatory tests required to be carried out, Lot size, number of required tests and frequency of testing shall be as per applicable specifications/standard specifications as indicated under Para 2,3 and 4 above. No change in these parameters including frequency of testing shall be allowed or approved by Engineer-in-Charge after award of the tender.

(d) For items which are not covered under the standard specifications, the type of tests, Lot size, number of required tests and frequency of testing etc. shall be as per the specifications for these items, indicated under Para 5 above.

(e) For certain items, if frequency of tests is neither mentioned in the specifications indicated under Para 2, 3, 4 and 5 nor in BIS, then tests shall be carried out as per directions of Engineer – in – charge.

(f) The cost of all Tests, collection and preparation of samples, transportation and any other ancillary activities to testing of Mandatory tests shall be borne by the contractor and nothing extra shall be payable.

(viii) Testing of Materials

(a) The contractor has to establish field laboratory at site including all necessary equipment for field tests as indicated in Sub Para 7(i) above. All the relevant and applicable standards and specifications shall be made available by the contractor at his cost in the field laboratory. The contractor shall designate one of his technical representatives as Quality Assurance Engineer, who shall be responsible for carrying out all mandatory field/laboratory tests. The contractor shall also provide adequate supporting staff at his cost for carrying out field tests, packaging and forwarding of samples for outside laboratory tests and for maintaining test records. No extra Cost shall be paid for any of these activities.

(b) Tests shall be carried out, as per procedures laid down in the

specifications/IS Codes.

- (c) The tests, as necessary and where no field laboratory facilities are available, shall be conducted in the laboratory approved by the Engineer-in- Charge.
- (d) For materials for which field testing equipment is established at site, for those materials 90% of total tests shall be done at the laboratory established at site by contractor and remaining in the reputed laboratories approved by Engineer-in-charge. The samples shall be taken for carrying out all or any of the tests stipulated in the specifications and as directed by the Engineer- in-Charge or his authorized representative.
- (e) In addition to the mandatory tests, the Engineer-in-Charge may require other non-mandatory tests to be carried out on the materials / products. In all such cases, the contractor shall supply the samples free of cost. The cost of such tests, wherever carried out, however shall be borne by the contractor/ RITES in the manner described below, unless otherwise specified in the Conditions of Contract.
  - i) By the Contractor, if the results show that the material / product does not conform to relevant BIS Codes or other Specifications as laid down in the Contract.
  - ii) By RITES, if the results show that the material / product conforms to relevant Codes or other Specifications as laid down in the Contract.
- (ix) Mandatory machinery, Tools and Plants shall be deployed at site as specified in Schedule 'F', corresponding to Clause 18 of Section-8 (Clauses of Contract)
- (x) Maintenance of Register and Records of Tests -
  - (a) All the registers (in accordance with Clause 52.3 of Clauses of Contract) of tests to be carried out at Site Laboratory or in outside laboratories (As given in clause 10A of Section-8) are to be maintained by the contractor which are issued to the contractor by Engineer-in- Charge or his authorized representative. All test results are signed by the authorised representative of the Engineer-in-Charge and authorised Representative of the Contractor.
  - (b) All Samples of materials are taken jointly with Contractor by Engineer-in-charge or Engineer's authorised representative posted at site . All the necessary assistance is to be provided by the contractor. Cost of sample of materials including testing charges, transportation charges and any other incidental and ancillary cost is to be borne by the contractor and the Contractor is responsible for safe custody of samples to be tested at site.
  - (c) All the tests in lab set up at Site are carried out by the Engineering Staff deployed by the contractor as per Clause 36 of the Clauses of the Contract and by the Engineer's authorised representative posted at site jointly.
  - (d) In case the Contractor or his authorized representative is not present or does not associate himself in above referred activities, the result of such tests and consequences thereon shall be binding on the Contractor. The Contractor or his authorized representative shall

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remain in contact with the Engineer-in-Charge or his authorized representative associated for all such operations. No claim of payment or claim of any other kind, whatsoever, shall be entertained from the Contractor.

- (xi) Contractor shall have to engage well-experienced skilled labour as indicated in Clause 19 K of Clauses of Contract and deploy modern T&P and other equipment to execute the work (As per Clause 18 of the Clauses of the Contract) . For completing the work in time, the Contractor might be required to work in two or more shifts (including night shifts). No claim whatsoever shall be entertained on this account, not with-standing the fact that the Contractor may have to pay extra amounts for any reason, to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour and other statutory bodies regulations and the agreement entered upon by the Contractor with them. All material shall only be brought at site as per program finalized with the Engineer-in- Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.
- (xii) The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material / work beyond set out tolerance limit shall be summarily rejected by the Engineer-in-charge & contractor shall be bound to replace / remove such sub-standard/ defective work immediately. If any material, even though approved by Engineer-In- Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.
- (xiii) In addition to the supervision of work by the Engineer-in-Charge and his authorized Representative (s), other senior officers of RITES/ Employer/ CTE etc as indicated in Clause 16 of the Section-8 (Clauses of the Contract), shall also be carrying out regular and periodic inspection of the ongoing activities in the work and deficiencies, shortcomings, inferior workmanship pointed out by them shall be communicated by the Engineer-in-Charge or his authorized Representative (s), to the contractor either through Site Order Book (As per Clause 52.5 of the Clauses of the Contract) or other modes of communication. Upon receipt of instructions from Engineer in Charge or his authorized Representative (s), these deficiencies are to be made good by necessary improvement, rectification, replacement upto his complete satisfaction. Failure to comply with such instructions within reasonable time shall attract action as per Tender Provisions.
- (xiv) The contractor shall, keep updated the following requirements and detailing:-
- (a) Display Board showing detail of work, weekly progress achieved with respect to targets, reason of shortfall, status of manpower, wages being paid for different categories of workers.
  - (b) Entrance and area surroundings to be kept cleaned.
  - (c) Display layout plan, key plan, of the project.
  - (d) Upto date displays of programme chart (Bar charts).
  - (e) Keep details of quantities executed, balance quantities, deviations, possible Extra item, Substituted item etc.

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- (f) Keep plastic / cloth mounted one sets of building drawings.
- (g) Set of Helmets and safety shoes for safety,
- (xv) The contractor shall ensure Safety and Security at site and comply with the provisions of Clause 48.
- (xvi) It should be noted that above provisions regarding QAP, does not relieve Contractor from submitting a project specific Quality Assurance Plan (QAP) to the Engineer-in-Charge as per Clause 49 of the Clauses of the Contract and contractor shall comply with the provisions.

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No. RITES/CPC/Correction Slip No. 6 (E-Tendering Document for Works)

Date: 10.11.2023

The above Correction Slip No. 6 to RITES E-Tendering Document for Works, February-2023 is issued with the approval of the competent authority.

  
(Murali Krishna Krovvidi)  
GM/CPC

**Copy to:**

1. Secy. to CMD/DP/DT/DF for kind information please.
2. CVO for kind information please.
3. All Country Heads, Vertical Heads, Regional Heads & PU/Sub-Unit/RIO Heads
4. JGM/IT for getting uploaded on RITES website under Tenders → Standard Tender Document & GCC for Works → Standard E-Tender Document for Works Feb-23 (Correction slip No. 6) and on RITES ESS portal/ CPC Documents Tab