

PART 2 - PROJECT SPECIFICATION

All work to be executed under this contract shall be carried out in accordance with the Qatar Construction Specifications (QCS 2014) latest edition.

SECTION 1 – GENERAL

1.01 Brief Description of the Works

The project works located in northern areas of Qatar including Ummsalal, Al Dayeen, Al Khor & Al Dhakhira and Al Shamal Municipal areas within the boundaries of Zone 70, 71, 74, 75, 76, 77, 78, 79 and other areas in north as shown on attached location plan. The Project works comprise the construction of Temporary/Permanent Roads including Surface Water Drainage, Road Lighting and other utilities.

The works consists of the following:

- Earthworks
- Unbound Pavement Material - Sub-base
- Asphalt Works
- Kerbs, Footways & Paved Area
- Traffic Signs & Road Marking
- Surface Water Drainage
- Water Works
- Electricity Ducts
- Road Lightings
- Ooredoo Works

The whole of the Works is subject to re-measure in accordance with Clauses 55.1 & 55.2 of the Conditions of Contract. Accordingly the Contractor's tendered contract sum shall be adjusted based on the re-measurement of actual works carried out in accordance with the Bill of Quantities Rates.

1.02 Contract Price to be fully inclusive

The Contractor shall be deemed to have included in his Contract price for everything essential for the proper completion of the works whether or not shown on the Drawings or included in the Specifications or the Bills of Quantities.

1.03 Provision of items for use by the Engineer's Representative

The Contractor is to note, that all items required for the use of the Engineer's Representative, as noted in the Conditions of the Contract, Qatar Construction Specification, SECTION 1 – General, Sections 2 to 28 and including those hereafter described in the Project Specification are to be provided for the duration of the Contract.

1.04 Materials from AGCC States

Notwithstanding Part 9.1.2 of Section 1 of Qatar Construction Specification, wherever possible and insofar as the same conforms to the standards required by this

Specification, all materials and goods, etc., shall be obtained from local (Qatar based) manufacturers and producers. In particular cement for the Works shall be obtained from Qatar National Cement Company and reinforcement from Qatar Steel Company Ltd.

1.05 As-Built Record and Survey Drawings

The Contractor shall prepare 'as-built' record and survey drawings of the Works detailing all works installed under the Contract including services and all finished level surfaces. The drawings shall be accompanied by maintenance manuals, service literature and list of spare parts where applicable.

Where any permanent feature has been added, changed or removed, the survey shall be to Survey Division Specifications and will be undertaken by a Survey Company on the Ministry of Municipal Affairs and Agriculture's list of approved Survey Companies and shall be delivered to the Engineer for approval. The survey shall consist of a plan drawn on reproducible polyester film and a computer disk with all relevant data in a format approved by Survey Division.

As-built record drawings, operation and maintenance manuals and any other literature required for the efficient operation of the completed works shall be supplied by the Contractor to the Engineer free of cost. The drawings shall be on polyester film or other durable and easily reproducible medium, and a computer disk with all relevant data in a format approved by the Engineer

One additional copy of all project documents, drawings and reports are to be submitted in an approved format recorded on computer media (Compact Disks) using software which is compatible with the Prime Document Storage Centre computer system.

The Contract shall not be considered as complete until the Contractor submits to the Engineer the as-built drawings and documentation, and obtains the Engineer's approval.

Four copies of as-built drawings and documentation shall be submitted to the Engineer before the expiry of the Contract Period as named in the Contract and shall include one copy of each drawing and document specifically marked for archival storage. The Certificate of Maintenance (FCC - Final Completion Certificate) will not be signed by the Engineer until all as-built drawings and accompanying documents and service literature are approved and a certificate has been issued by the Engineer to this effect.

1.06 Samples (Qatar Construction Specification Section 1 Part 9.1.16)

Further to the requirement of SECTION 1 - Part 1-1.09 of Qatar Construction Specification, the Contractor shall submit samples, sample panels and manufacturer's literature in respect of all materials, products and equipment required for the Works, - before ordering or use, - for the approval of the Engineer.

The provision of all samples and sample panels shall be at the Contractor's own expense and shall be deemed to be included in the rates in the Bills of Quantities.

1.07 Contractor's Site Facilities – Buildings (Qatar Construction Specification SECTION 1 – Part 12.2.1)

The Contractor shall maintain an office at Site as assigned and to the approval of the Engineer, office shall be maintained and kept open throughout the period of the whole of the Works, until the Works shall have been completed.

The Contractor shall provide, maintain and remove on completion an office on site for his own purposes. The site office shall be Air-Conditioned and shall have a toilet and water supply.

The Engineer and Engineer's representative shall be permitted access to his office at all times during site working hours and shall be allowed to make use of the Contractor's temporary site telephone as approved.

1.08 Engineer's Site Facilities - Type 1 (Qatar Construction Specification SECTION 1 – Part 11.2.2)

Required Type 1 on the Site as directed by the Engineer

1.09 Engineer's Site Facilities - Type 2 (Qatar Construction Specification SECTION 1 – Part 11.2.3)

Not Required

1.10 Telephone (Qatar Construction Specification SECTION 1 – Part 11.3.4)

Telephone Required.

1.11 Temporary Site Hoarding (Qatar Construction Specification SECTION 1 – Part 4.5.1)

The Contractor is to provide site hoarding, fans, screens, etc., to the standard described in Qatar Construction Specification Part 4.5.1, Item 2, including all necessary maintaining, adaptation and removal upon completion as noted in Qatar Construction Specification SECTION 1 – Part 4.5.1, Item 3.

The Contractor's attention is also drawn to his obligations and responsibilities in respect of Qatar Construction Specification SECTION 1 – Part 4.4 Watching and Lighting.

1.12 Project Sign Board (Qatar Construction Specification SECTION 1 – Part 12.3)

The name of the Client shall be the Infrastructure Affairs, Public Works Authority.

1.13 Construction Cleaning (Qatar National Construction Specification SECTION 1 – Part 15.2.1)

Further to the requirements of SECTION 1 – Part 15.2.1 of Qatar National Construction Specification and Conditions of Contract Clause 33 (3), the Contractor shall clear the site and any buildings thereon of all materials, plant, rubbish and building debris of any nature to a tip designated by the relevant Municipality for the area and shall ensure the area surrounding the Works is clean and to the natural level of the surrounding land.

If the Contractor fails to comply with the foregoing requirement within 30 days of Practical Completion of the Works the Engineer may, in addition to the terms of the Conditions of Contract Clause 33(3):

- (i) clear the site using another Contractor and deduct the costs so incurred from

any monies due to the Contractor, and

- (ii) delay final payment to the Contractor until such time as the Site has been cleared to the satisfaction of the Engineer and relevant Municipality.

1.14 Existing Services

- A. The Contractor will be held responsible for fully maintaining all existing services and drainage to other premises during the progress of the Works, and shall take all steps to prevent interferences with or interruption of same.
- B. No diversion of such services etc. shall be carried out without written instructions from the Engineer and any temporary disconnections which may be necessary consequent upon the Works shall be done at such times as may be directed by the Engineer.

1.15 Pest and Vermin Clearance and Control

- C. Two weeks prior to completion of the Works the Contractor shall arrange for an approved specialist to carry out a survey and the Contractor shall take such subsequent action necessary to obtain full pest and vermin clearance.
- D. An appropriate certificate from the approved specialist shall be submitted to the Engineer on completion of the Works.
- E. The Contractor shall arrange for two further inspections to be made by the approved specialist, the first to be six months after completion of the Works and the second, two weeks prior to the expiry of the Period of Maintenance. On each occasion the Contractor shall take such action as is necessary to enable further certificates to be issued by the food specialist.

1.16 Photographs

- F. Photographs showing the progress of the Works shall be taken by the Contractor every month from positions to be selected by the Engineer. Special photographs showing any particular feature of the work or plant or other matters of interest in connection with the Works or their surroundings shall also be taken by the Contractor as and when required by the Engineer.
- G. All photographs shall be 200 x 200 mm and five unmounted prints of every such photograph, suitably referenced, shall be supplied to the Engineer. All negatives shall be referenced and shall become the property of the Employer on the completion of the Contract.

1.18 Notice to Public on Road Closures

Upon approval from Engineer's representative on any road closure for the purpose of carrying out the Works of PWA, the Contractor shall place a sufficient notification to the general public in local newspapers both in Arabic and English languages at least one (1) week prior to the road closure. The contents of notification shall be approved by the Engineer and the extent shall not be less than a quarter of the standard size page of a reputed local newspaper. In order to evident the notification the Contractor shall submit to the Engineer a copy as appeared on the newspaper on the same day of the notification.

1.19 Media Documentary (Photographic & Video)

The Contractor shall obtain a photographic and video record showing the progress of the Works in every month, and / or as necessary, in order to provide sufficient visual evidence of the progress and to record the specialized events features of the Works or other matters of interest in connection with the Works or their surroundings of the Project. Such media documentation shall be submitted to the Engineer in the form of an accepted media documental presentation, as and when required during the progress of the Works and as a complete package at the completion of the project.