GENERAL SPECIFICATION
FOR CIVIL ENGINEERING WORKS

1992 Edition

CORRIGENDUM No. 2/97 (June)

VOLUME 1

SECTION 1 GENERAL

(a) Page 46, Clause 1.16(4), 5th line

Delete when necessary after washed

(b) Page 51, Clause 1.34, 2nd to 7th lines

Delete the following:

Areas of the Site in which dust likely to be generated shall be sprayed with water regularly. Screens, dust sheets, tarpaulins or other methods agreed by the Engineer shall be used to prevent generation of dust. Materials, including earthworks material, from which dust may be generated when being transported to or from the Site shall be sprayed with water or covered.

(c) Page 66, Appendix 1.1, Section 1.1.1

Add the following standards between BS 3892 : Part 1 : 1982 and BS 3900 : Part E10 : 1979(1989):

BS 3900	**Methods of test for paints**
BS 3900 : Part C5 : 1992	**Determination of film thickness**

(d) Page 73, Appendix 1.1, Section 1.1.1

Add the following standards between BS 7263 : Part 1 : 1990 and BS 8004 : 1986:

BS 7295	**Fusion bonded epoxy coated carbon steel bars for the reinforcement of concrete**
BS 7295 : Part 1 : 1990	**Specification for coated bars with AMD 6955**
BS 7295 : Part 2 : 1990	**Specification for coatings with AMD 6956**

(e) Page 73, Appendix 1.1, Section 1.1.2,

Delete the following standard:

ASTM A 775M-86	**Specification for epoxy-coated reinforcing steel bars**

SECTION 2 SITE CLEARANCE

(a) Page 79, Clause 2.04(1), 2nd & 3rd lines

Delete the following:

; dust arising from demolition work shall be controlled by screens and by water spraying

SECTION 6 EARTHWORKS

(a) Page 159, Clause 6.13(1)(d)

Delete sub-clause (1)(d).

(b) Page 163 Clause 6.33(d)

Add strong wind signal or before storm signal No. 3

SECTION 7 GEOTECHNICAL WORKS

(a) Page 212, Clause 7.88(1), 4th line

Replace air or water flush by water flush or air flush accompanied by the operation of an effective dust extraction and filtering device

(b) Page 218, Clause 7.118(2)

Replace air or clean water by clean water or air accompanied by the operation of an effective dust extraction and filtering device

VOLUME 2

SECTION 15 STEEL REINFORCEMENT

(a) Page 157, Clause 15.04(1), 2nd line

Replace ASTM A775M by BS 7295 : Parts 1 & 2

(b) Page 157, Clause 15.04(1), last line

Replace ASTM A775M by BS 7295 : Part 1

(c) Page 157, Clause 15.04(2), 2nd line

Replace 0.25 mm by 0.28 mm

(d) Page 159, Clause 15.12(1)

Replace sub-clauses Nos. (b) & (c) by the following:

(b) mill sheets of the steel reinforcement,

(c) date and place of the coating application, and

(d) certificate of the coating materials in compliance with BS 7295 : Part 2, including:

- **corrosion resistance**
- **chemical resistance**
- **cathodic disbonding of coating**
- **adhesion of coating**
- **abrasion resistance**
- **impact strength**
- **hardness**

The above tests shall be carried out once every 5 years or when there are changes in the composition of the coating materials whichever is the earlier.

(e) Page 159, Clause 15.12(2), 1st line

Add and test results in Clause 15.12(1) after certificates

(f) Page 162, Clause 15.21(1), 6th & 11th lines

Replace amounts each not by amounts each even not

(g) Page 162, Clause 15.21(2), 1st line

Replace Damaged areas by All damaged areas

(h) Page 164, Clause 15.30

Replace sub-clause (1) by the following:

(1) Samples of bar reinforcement, fabric reinforcement and reinforcement connectors for tension joints, except for epoxy coated reinforcement, shall be provided from each batch of the material delivered to the Site and at least 14 days before fixing of the reinforcement starts. The number of samples to be provided from each batch shall be as stated in Table 5.1. For epoxy coated reinforcement, samples shall be provided at least 20 working days before fixing of the reinforcement starts.

(i) Page 164, Clause 15.30

Add the following sub-clause (5):

(5) For epoxy coated bar reinforcement, two additional specimens shall be selected by the Engineer from each batch of reinforcement for epoxy coating tests on thickness, adhesion and continuity in addition to the requirements of tensile tests, bend tests and rebend tests. Each specimen shall be a 2 m length piece cut at least 1 m from the ends of a 12 m length bar. Specimens shall be selected from different bundles of the reinforcement batch.

(j) Page 166, Clause 15.31

Replace sub-clause (5) by the following:

(5) Thickness, adhesion and continuity tests on epoxy coatings shall be performed on each additional test specimen as selected in accordance with Clause 15.30 (5). The thickness test shall be in accordance with Method No. 6 of BS 3900: Part C5. For thickness test, 15 pairs of readings shall be taken

along two opposite sides of each specimen. The adhesion and continuity tests shall be in accordance with BS 7295 : Part 1. Bend tests for adhesion shall be performed at a uniform rate within 15 seconds.

(k) Page 166, Clause 15.32

Replace sub-clause (a) by the following:

(a) All coating thickness measured from the two specimens selected in accordance with Clause 15.30(5) shall not be less than 0.13 mm

(l) Page 166, Clause 15.32(c), 1st and 2nd lines

Replace ASTM A775, Clause 7.2 by BS 7295 : Part 1, Clause 4.2.

(m) Page 169, Clause 15.36

Replace the clause by the following:

In testing the two specimens selected in accordance with Clause 15.30(5), if one test specimen fails to meet the coating thickness, coating adhesion or coating continuity requirements, retests of specimens of the same batch are permitted, and two further specimens from the same batch shall be subjected to the test or tests in which the original specimen failed. If both additional specimens pass the retest, the batch from which they were taken shall be deemed to comply with the specification. If either or both of them fails in the retests, the batch shall be deemed not to comply with the specification, and this batch shall be rejected and removed from Site.

SECTION 16 CONCRETE AND JOINTS IN CONCRETE

(a) Page 184, Clause 16.33(1), 1st line

Add sheltered on the top and 3 sides after weatherproof store

(b) Page 184, Clause 16.33(2), 1st line

Replace stored in dry, weatherproof silos by kept dry

Standards Unit
Civil Engineering Department
June 1997