

General Specification for Civil Engineering Works**2006 Edition****AMENDMENT NO. 2/2019****VOLUME 1****SECTION 9 CARRIAGEWAYS: SUB-BASE MATERIAL AND BITUMINOUS MATERIALS****SUBMISSIONS**

(a) Clause 9.11

Replace the title of the clause with the following:

Particulars of aggregate, filler, bitumen, bituminous emulsion and bituminous priming material for bituminous materials

Replace “filler and bitumen” **with** “aggregate, filler, bitumen, bituminous emulsion and bituminous priming material” **in sub-clause (1).**

Add “for approval” **after** “the Engineer” **in sub-clause (1).**

Replace sub-clause (1)(a) with the following:

A certificate from the manufacturer for each type of aggregates showing the manufacturer’s name and place of manufacture and showing the aggregate complies with the requirements stated in the Contract,

Replace “(b)” with “(c)” and “(c)” with “(d)” in sub-clause (1).

Add sub-clauses (1)(b), (e) and (f) as follows:

(b) A certificate from the manufacturer for each type of filler showing the manufacturer's name, the date and place of manufacture and showing that the filler complies with the requirements stated in the Contract and including results of tests for particle size distribution,

(e) A certificate from the manufacturer for bituminous emulsion showing the manufacturer’s name, the date and place of manufacture and showing the bituminous emulsion complies with the requirements stated in the Contract, and

(f) A certificate from the manufacturer for bituminous priming material showing the manufacturer’s name, the date and place of

manufacture and showing the bituminous priming material complies with the requirements stated in the Contract.

(b) Clause 9.12 **Add “for approval” after “the Engineer” in sub-clauses (1) and (2).**

(c) Clause 9.13 **Replace the title of the clause with the following:**

Particulars of virgin sub-base material and recycled sub-base material

Add “for approval” after “the Engineer” in sub-clause (1).

Delete “(a)” in the sub-clause (1).

Delete “Ten per cent fines value” and “, and” in sub-clause (1)(a).

Delete sub-clause (1) (b).

Add the new sub-clause as follows:

(2) The following particulars of virgin sub-base material and recycled sub-base material if used in lieu of virgin material shall be submitted to the Engineer for approval:

- (a) Details of the test results for:
 - Ten per cent fines value
 - Grading details in tabular and graphical form, and
- (b) A certificate from the manufacturer for each type of aggregates showing the manufacturer’s name and place of manufacture and showing the aggregate complies with the requirements stated in the Contract.

(d) Clause 9.14 **Add “for approval” after “the Engineer”.**

(e) Clause 9.15 **Add “for approval” after “the Engineer”.**

**Quality Management & Standards Unit
Civil Engineering and Development Department
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