



**"NPC Aggregate is a member of ASPASA. Therefore the following exclusion clauses pertaining to Colto is applicable as per NPC Aggregate's Standard Conditions of Contract."**

## **COLTO: EXCLUSION CLAUSES**

### **Base Material**

ASPASA members agree to supply material (G1- G9) as defined in COLTO Standard Specification for Road and Bridge Works for State Road Authorities **SERIES 3000**:

**EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE, SECTION 3400: PAVEMENT LAYERS OF GRAVEL MATERIAL** and **SECTION 3600: CRUSHED-STONE BASE** subject to the following conditions:

**Table 3402/1 Requirement for types G4 to G6 materials - Grading** ASPASA members do not draw a distinction between crushed and uncrushed material as defined under G4 material. Unless agreed with the ASPASA members all G4 material will therefore conform to the limits specified for un-crushed material.

### **Section 3602 (a) Requirements for crushed aggregate**

ASPASA members shall not comply with the second sentence of this clause, namely "*It shall not contain any deleterious material such as weathered rock, clay, shale or mica*". Since the vast majority of commercial rock available contains some traces of these components.

### **Section 3602 ( c ) Grading requirements**

ASPASA members shall not comply with an after compaction grading specification since the members have no control over the manipulation of the material after it has been delivered to site. ASPASA members will endeavour to achieve only the limit as defined in *table 3602/1 - Crushed stone base and sub-base: Material requirements: Grading*.

### **Section 3602 ( c )(1)(5) Grading requirements**

Since the coarse sand ratio (CSR) is a factor of the crushing property of the rock and hence cannot be physically controlled without occasional addition of non-parent material, ASPASA member shall not comply with the limits specified in this section.

### **Table 3602/1 - Crushed stone base and sub-base: Material requirements: Compaction requirements.**

Since ASPASA members are not responsible for the achieved in situ density, no reduced payment as defined in *section 8208 (b) (2) Conditional acceptance: Notes*, shall apply.

### **Table 3602/4 Tolerance on target grading**

Since ASPASA members are not responsible for the grading limits after compaction, the tolerance on target grading specified in this table shall not apply.

### **Section 3603 Trial section and other requirements before the crushed - stone layer may be constructed**

ASPASA members will assist their customers in attempting to achieve a final layer that conforms to specification requirements. Full payment for material supplied for a trial section will however still be insisted upon even if the trail section is removed as excess/unsuitable material.

### **General**

Where there is a dispute regarding the quality/achieved grading of material supplied by ASPASA members, the members reserve the right to only accept test results from a SANAJ accredited laboratory for the test(s) in question. Disputes related to quality/achieved grading of material tested after compaction shall not be entertained.

### **Surfacing Material**

ASPASA members agree to supply surfacing material as defined in COLTO Standard Specification for Road and Bridge Works for State Road Authorities **SERIES 4000: ASPHALT PAVEMENTS AND SEALS, SECTION 4200: ASPHALT BASE AND SURFACING** subject to the following conditions:

#### **Section 4202 (b) Aggregates**

ASPASA members shall not comply with the second sentence of *clause 3602 (a)*, namely "*It shall not contain any deleterious material such as weathered rock, clay, shale or mica*" since the vast majority of commercial rock available contains some traces of these components.

#### **Section 4202(b)(iii) Polishing**

Due to the variability achieved with the Polished Stone Value test (PSV) in recent round robin test programs ASPASA members reserve the right to specify potential test houses for testing of materials. Historical tests should also be used as a guide to determine the acceptability of a material source for use under the conditions specified in this section.

#### **Section 4202(b)(viii) Grading**

Where all-in materials are supplied in accordance with limits specified in *tables 4202/6 through 4202/10*, the average grading of material supplied by ASPASA members shall conform to the limits specified in these tables and not subject to the tolerance specified in *sub-clause 4213 ( c ) and table 4213/1*.

### **General**

Where there is a dispute regarding the quality/achieved grading of material supplied by ASPASA members, the members reserve the right to only accept test results from a SANAJ accredited laboratory for the test in question.

**NICO PIENAAR**

*Director*