

PROJECT: PROCUREMENT OF PAVING BLOCKS FOR MPL

1. **SCOPE OF WORKS**

The scope of this project includes supplying of 200,396 (Two Hundred Thousand Three Hundred and Ninety Six) interlocking zig-zag paving blocks as per the technical specifications and proposed delivery schedule. Test certificates for Table 1 to be submitted with bid proposals.

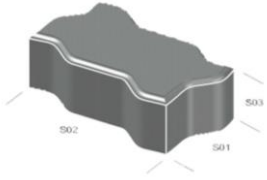
2. **SCHEDULE OF DELIVERY**

- Supplier to deliver a total of 200,396 (Two Hundred Thousand Three Hundred and Ninety Six) blocks within 02 months of the confirmation of Purchase Order.
- Supplier to send 10 sample blocks for approval and confirmation from MPL before manufacturing and supplying 200,396 (Two Hundred Thousand Three Hundred and Ninety Six) blocks.

3. **TECHNICAL SPECIFICATION**

The technical specification is given in the Table 1, shown in the next page.

Table 1. Technical specification for paving blocks

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>SPECIFICATION</u>
01	<p style="text-align: center;">Size</p> 	<p style="text-align: center;"><u>230mm x 112.5mm x 80mm thickness</u></p> <p>S01 – 112.5mm; S02 – 230mm; S03 – 80mm</p> <p style="text-align: center;"><u>Dimensional Tolerances:</u></p> <p>Length +/- 2mm; Width +/- 2mm; Thickness +/- 2mm</p>
b)	Form	Solid Paving blocks
c)	Appearance	Standard grey colour – treated surface
d)	Composition	OPC 53 + river sand + fine aggregate
e)	Density	Average 2377.3kg/m ³
f)	Dry Weight	Average 4.5kg
g)	Surface treatment	BS 5135 (BS EN 1011-2), BS EN1338, BS 6717
TESTS TO BE CARRIED OUT		
h)	Compressive Strength	At time of delivery to the work site, the average compressive strength of the test samples (6 blocks from each batch) shall not be less than 55MPa, with no individual unit less than 47Mpa.
i)	Water Absorption	The average absorption of the test samples shall not be greater than 5% with no individual unit greater than 7% (8 blocks from each batch)
j)	Abrasion Resistance	The average thickness loss shall not exceed 2mm (8 blocks from each batch)
h)	Tensile Splitting Strength	T, the tensile splitting strength of the specimen to the nearest 0.1 MPa; and F, the failure load per unit length of the specimen to the nearest 10 N/mm. (8 blocks from each batch)
j)	Flexural Strength/ Breaking Load	(8 blocks from each batch)

Reference code for tests: "IS 15658:2006 Precast concrete blocks for paving- Specification"