



## Ministry of Housing and Infrastructure

Male', Republic of Maldives.

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މާލެ، ދިވެހިރާއްޖެ.

Economic Prosperity – Social Harmony



### Information Sheet

#### Requirement of Material:

#	Description of Material	Quantity Required	Delivery Location (Terms: DDP)
1	Thermoplastic Road Marking Paint - White	120 tons	Public Works Services Male' Office
2	Thermoplastic Road Marking Paint - Yellow	40 tons	
3	Reflective Glass Beads	15 tons	

#### Technical Requirement:

SN.	Test Parameter	Test Method	Specifications
<b>Proportion of Constituents</b>			
1	Binder Content	BS 3262 (part 1)	Minimum 18%
2	Glass Bead Content	AASHTO T-250-77	30-40%
3	Titanium dioxide content	AASHTO T-250-77	Minimum 10% (for White)
4	Calcium carbonate & inert fillers	BS 3262 (part 1)	Maximum 42% (for White)
<b>Physical Properties</b>			
5	Luminance test	AASHTO T-250-77	Minimum 65% for White and Minimum 45% for Yellow at 45 degrees
6	Yellowness Index	AASHTO T-250-77	Maximum 0.12 (for White)
7	Drying time	BS 3262 (part 1)	Not more than 15 minutes
8	Cracking Resistance	AASHTO T-250-77	to pass the test
9	Skid Resistance	BS 3262 (part 1)	Not less than 45
10	Softening Point	ASTM D-36 (Part 2)	102.5 ± 9.5 °C
11	Flow resistance	BS 3262 (part 1)	Not more than 25%
<b>Drop on Glass Beads</b>			
12	Gradation of Glass Beads		
	850 μ	BS 812 (Part 103)	0-5%
	600 μ	BS 812 (Part 103)	5-20%
	300 μ	BS 812 (Part 103)	30-75%
	180 μ	BS 812 (Part 103)	10-30%
	Below 180 μ	BS 812 (Part 103)	0-15%
13	Roundness	BS 6088	Minimum 70%
14	Free Flowing Properties		Shall Pass the free Flow Test
15	Refractive Index #		Minimum 1.5

- Materials should have a minimum shell life of 12 months.



- The material must be resistant to deterioration due to exposure to sunlight, water, salt or adverse weather conditions and impervious to oil and gasoline.

**Documents that need to be submitted as a minimum:**

- 1- Third party test certificates confirming the technical requirements should be submitted with the proposal.
- 2- Experience records of similar works in past two years.
- 3- Company Profile
- 4- GST Registration Certificate
- 5- Company Registration Certificate

**Notes:**

- 1- Price should be submitted in Maldivian Rufiyaa (MVR).
- 2- 0.25% of the total contract price shall be deducted per calendar day if the items are not delivered in the duration stated in supplier's proposal.

**Price Proposal:**

#	Description of Equipment Machineries	Quantity Required	Delivery Duration	Unit Price	Total
1	Thermoplastic Road Marking Paint - White	120 tons			
2	Thermoplastic Road Marking Paint - Yellow	40 tons			
3	Reflective Glass Beads	15 tons			
				Subtotal	
				GST 6%	
				Total	

**Evaluation Criteria:**

Cost – 60%

Duration – 35%

Experience – 5%