

**Mumbai Metro Line 3 (COLABA-BANDRA-SEEPZ)**  
**Contract – MM3-CBS-REL-PYL**  
**Clarification & Responses to Bid Document**

**Date – 15<sup>th</sup> June 2017**

SI.	Section No.	Clause No. Page No.	Bid Condition	Bidder's Queries	MMRC's Response
1.	Section VIII – Technical Specification	Clause No. 2 (iii), Page No. 307	<p>(iii) <b>Shipping, Handling &amp; site Supporting</b> - Pulling eye &amp; sealing of Cable ends.</p> <p>The “Start” end of the cable shall be sealed <b>with polyurethane compound with PVC cap and hot melt adhesive lined heat shrinkable end cap.</b></p>	<p>(iii) <b>Shipping, Handling &amp; site Supporting</b> - Pulling eye &amp; sealing of Cable ends.</p> <p>The “Start” end of the cable shall be sealed <b>by fitting a metal end cap. The heat shrinkable tube shall provide after proving a metal end cap.</b></p>	<p>(iii) Shipping, Handling &amp; site Supporting - Pulling eye &amp; sealing of Cable ends.</p> <p>The “Start” end of the cable shall be sealed by fitting a metal end cap filled with polyurethane compound. The heat shrinkable tube shall be provided above a metal end cap.</p>
2.	Section VIII – Technical Specification	Clause No. 2. (viii) (10), Page No. 310	<p>(viii) Cable design features – 10. Outer sheath</p> <p>The outer sheath (with termite repellent, anti-rodent, U/V resistant &amp; Free from chlorinated paraffin, resistant to sulphide found in the ground &amp; flame retardant) shall consist of extruded black coloured <b>HDPE.</b></p>	<p>(viii) Cable design features – 10. Outer sheath</p> <p>The outer sheath (with termite repellent, anti- rodent, U/V resistant &amp; Free from chlorinated paraffin, resistant to sulphide found in the ground &amp; flame retardant) shall consist of extruded black coloured <b>flame retardant PE.</b></p> <p><b>Note:</b> The HDPE outer sheath does not have the function of flame retardant properties. So, we recommend that the flame retardant PE outer sheath shall be applied over metallic sheath instead of HDPE. In accordance with IEC 60228.</p>	<p>(viii) Cable design features – 10. Outer sheath</p> <p>The outer sheath (with termite repellent, anti-rodent, U/V resistant &amp; Free from chlorinated paraffin, resistant to sulphide found in the ground shall consist of extruded black coloured HDPE.</p>

Sl.	Section No.	Clause No. Page No.	Bid Condition	Bidder's Queries	MMRC's Response
3.	Section VIII – Technical Specification	Clause No. 2. (ix) (a) (1), Page No. 311	(ix) Constructional details (a) Conductor 1. Single core conductor having Milliken construction, shall consist of stranded, Segmental, compacted circular annealed copper wires confirming to IEC 60228/IS 8130.	(ix) Constructional details (a) Conductor 1. Single core conductor having Milliken construction, shall consist of stranded, Segmental, compacted circular annealed copper wires confirming to IEC 60228.	(ix) Constructional details (a) Conductor 1. Single core conductor having Milliken construction, shall consist of stranded, Segmental, compacted circular annealed copper wires confirming to IEC 60228.
4.	Section VIII – Technical Specification	Clause No. 2 (c), Page No. 316	<b>C) The insulator housing shall be dry type or be filled with high viscosity cold pouring compound. Compounds to be heated during installation are not allowed.</b> The termination construction must allow the thermal expansion of the cable insulation. For this purpose, the stress cone units must be made of flexible silicone rubber to allow the radial expansion of the cable insulation at all operation conditions.	<b>C) The insulator housing shall be dry type or be filled with high viscosity pouring compound.</b> The termination construction must allow the thermal expansion of the cable insulation. For this purpose, the stress cone units must be made of flexible silicone Rubber to allow the radial expansion of the cable insulation at all operation conditions.	C) The insulator housing shall be dry type or be filled with high viscosity pouring compound. The termination construction must allow the thermal expansion of the cable insulation. For this purpose, the stress cone units must be made of flexible silicone Rubber to allow the radial expansion of the cable insulation at all operation conditions.
5.	Section VIII – Technical Specification	Clause No. 10, Page No. 320	2. It is very important that, these silicone rubber parts shall be packed in a special bag, allowing to store them up to 20 years starting from the date of production.	2. It is very important that, these silicone rubber parts shall be packed in a special bag, allowing to store them up to <b>5</b> years starting from the date of production.	2. It is very important that, these silicone rubber parts shall be packed in a special bag, allowing to store them up to minimum 5 years starting from the date of delivery at site.

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6.	Addendum No. 3.	Sr. No. 1	Joint Venture Agreement -Format	With ref. to Tender Addendum No. 3. MMRC provided format of "Form of Joint Venture/Consortium". As per JV/Consortium Format, Account & Tax code Details needs to be submitted by both parties. Kindly clarify which details of Account & Tax code are expected.	All the applicable taxes code including but not limited to TAN- Tax deduction and Collection Account Number, TIN –Tax Payer Identification Number, PAN- Permanent Account Number, Service Tax Registration Number and the Bank Account details as applicable.
7.	Section II – Instruction to Tenderer	Clause No. C2.6, Page No. 16	<b>c) Change in Taxes/Duty:</b> The contract price shall be adjusted to take into account any change in taxes, duties, levies or introduction of any new tax, duty or levy till the completion date including the date of extended period of contract.	We understand that as per clause no. C2.6 if GST is introduced by Central Govt. The amendment for revise Contract Value will be issued incorporating the variation due to implementation of GST. Please Confirmed.	Tender Conditions shall prevail.
8.	Section I – NIT & Section II - ITT	Clause No. 1.1.10 (ii), Page No. 9 & Clause No. C20, Page No. 19	<b>EMD</b>  (In case of joint venture/consortia, Bank Guarantee for Tender Security shall be in the name of joint venture/consortia.)	<b>EMD</b>  (In case of joint venture/consortia, Bank Guarantee for Tender Security shall be in the name of any partner in the joint venture/consortia.)	Tender Conditions shall prevail.
9.	Section I - ITT	Clause No. F.4, Page No. 25	<b>Performance Guarantee</b>  In case of joint venture /consortium, the Performance Security is to be submitted in the name of the JV / Consortium.	<b>Performance Guarantee</b>  In case of joint venture/consortium, the Performance Security can be submitted in the name of any partner in the JV / Consortium.	Tender Conditions shall prevail.