

<b>Amravati Power Transmission Company Ltd.</b>	<b>Technical Specification Section-III</b>	BID DOCUMENTS
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# **PART-C**

## **TECHNICAL SPECIFICATION**

### **SECTION-III**

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<b>S. No.</b>	<b>Description</b>	<b>Guaranteed Particulars</b>
1	Name & address of supplier of ERS	
2	Name & address of manufacturers of ERS structures & components	
3	Name & address of manufacturers of Composite insulators	
4	Name & address of manufacturer of hardware assembly	
5	Table of compliance as per clause no 2 of section -1 of technical specification furnished	Yes/No
6	Detailed drawings and documents as per clause 1.16.1,1.16.2 & 116.3 of section -II of Technical specification furnished	Yes/No
7	Detailed engineering data of all equipment/tool furnished	Yes/No
8	Standard to which ERS generally conforms to	
9	Materials of ERS structure	
10	Maximum length of structure column section (in mtrs)	
11	Maximum weight of structure column section (in kgs)	
12	Maximum weight of any individual ERS component	
13	Description of training program module proposed by Bidder furnished	Yes/No
14	Limits loads in kg/kg-m which can be withstood by	
a)	Column sections/structures in	
i)	Compression	
ii)	Bending	

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iii)	Torsion	
iv)	Combined bending and compression	
v)	Buckling	
vi)	Ultimate strength bending Bolts	
vii)	Ultimate strength bending welds	
b)	Box Section	
c)	Guy Plates	
d)	Bolts & Nut	
e)	Gimbal	
15	Suitable provision for installation of earthwire provided on ERS structures	Yes/No
16	Material of Polymer Insulators offered	
17	Minimum Corona Extinction voltage of horizontal V and double tension insulator string (kV rms)	
18	Maximum RIV of above insulators string at 1 MHz when subjected to 305 kV rms line to ground voltage under this condition ( $\mu$ V)	