

SCHEDULE OF WORK QUANTITY AND RATES								
SCHEDULE			2	Tender No :		EL-TRD-TENDER-25-26-38-3		
Name of Work			Anand - Godhra : OHE modification work and other allied work in connection with replacement of silver brazed contact wire					
IRPSM ID				15063625355012				
S N	Description	Qty.	Unit	Unit Rate		Total Rate		Total
				Supply	Erection	Supply	Erection	
1	Erection of Joint Less Silver Bearing Grooved Hard Drawn copper contact wire / Hard drawn Grooved copper contact wire 107 Sq mm for Electric Traction	81500	Mtr	0	52.63	0	4289345.00	4289345.00
	The price shall cover erection of new contact wire by removing of existing contact wire i.e. replacement. However, the price for dismantling of contact wire is covered under Item no.-2. The erection & removing of contact wire (replacement) will be carried out in the same power block for required tension length. Tenderer should arrange adequate man power and required tools & tackles so that erection & dismantling work should be carried out in same power block. The tenderer shall erect the contact wire as per designed OHE. After erection of contact wire, OHE profile to be adjusted for smooth running of pantograph as per site requirement and direction of engineer in-charge. Necessary power block will be arranged by Railway, but proper planning regarding power block is to be provided by successful tenderer in advance. Supply of contact wire will be done by railway but tenderer has to collect the required contact wire from designated Railway Store for erection at site and the price of transportation is covered under item no 11. Supply and erection price of swivel clip, Contact wire dropper clip, contact wire ending cone, contact wire splice are covered under item no 3 to 10 . However, The price shall also include supply and erection of any extra fitting required for overlap, turnout, cross over, diamond crossing as per site requirement and direction of engineer in-charge and of any other required associated fittings-							
	Note: Tower wagon will be provided by Railway free of cost if available, as per planning of SSE in charge for erection of contact wire.							
2	Dismantling of Contact wire complete	81500	Mtr	0	38.73	0	3156495.00	3156495.00
	The price shall cover dismantling of existing contact wire including contact dropper clips, dropper wire, Contact wire swivel clip & other fittings. The released material shall be handed over to the Railway at nominated place at concern depot as per instruction & direction of SSE in charge.							
3	Supply of swivel clip	1630	Nos.	234.2	0	381746	0	381746.00
	The price shall cover supply of contact wire swivel clip with pin as per part no. 1221 & 1222 & as per RDSO DRG. NO. RE/33/P/1220 MOD-E or latest.							
4	Erection of swivel clip	1630	Nos.	0	23.23	0	37864.9	37864.9
	The price shall cover erection of contact wire swivel clip with pin as per part no. 1221 & 1222 & as per RDSO DRG. NO. RE/33/P/1220 MOD-E or latest.							
	Supply of contact wire dropper clip	11643	Nos.	56.99	0	663534.57	0	663534.57

5	The price shall include supply of Contact wire dropper clip with all its necessary fittings and fasteners as per RDSO Drg No. RE/33/P/1181 (rev 'G') or latest.							
6	<b>Erection of contact wire dropper clip</b>	<b>11643</b>	<b>Nos.</b>	<b>0</b>	<b>5.59</b>	<b>0</b>	<b>65084.37</b>	<b>65084.37</b>
	The price shall include erection of Contact wire dropper clip with all its necessary fittings and fasteners as per RDSO Drg No. RE/33/P/1181 (rev 'G') or latest.							
7	<b>Supply of contact wire ending cone</b>	<b>1630</b>	<b>Nos.</b>	<b>326.68</b>	<b>0</b>	<b>532488.4</b>	<b>0</b>	<b>532488.40</b>
	The price shall include supply of contact wire ending cone as per RDSO Drawing no. ETI/OHE/P/1110-2 Rev. D or latest as per RDSO's Technical specification No. ETI/OHE/49 (9/95) with A & C slip no. 1 or latest.							
	<b>Erection of contact wire ending cone</b>	<b>1630</b>	<b>Nos.</b>	<b>0</b>	<b>16.13</b>	<b>0</b>	<b>26291.9</b>	<b>26291.9</b>
8	The price shall include erection of contact wire ending cone as per RDSO Drawing no. ETI/OHE/P/1110-2 Rev. D or latest as per RDSO's Technical specification No. ETI/OHE/49 (9/95) with A & C slip no. 1 or latest.							
	<b>Supply of contact wire splice and extension of OHE</b>	<b>7</b>	<b>Nos.</b>	<b>2985.19</b>	<b>0</b>	<b>20896.33</b>	<b>0</b>	<b>20896.33</b>
9	The price shall cover supply of contact wire splice and any other small fittings for termination of overhead equipment for extension and consequent adjustment of the effected equipment.							
	<b>Erection of new dropper and re-adjustment of dropper</b>	<b>1630</b>	<b>Nos.</b>	<b>0</b>	<b>445.76</b>	<b>0</b>	<b>726588.8</b>	<b>726588.80</b>
10	The price shall cover erection of new dropper and adjustment of OHE profile as per standard OHE layout. The supply of dropper is covered in Item No.12.							
	<b>Transportation charges for OHE material / released material</b>	<b>40750</b>	<b>MT-Km</b>	<b>0</b>	<b>11.65</b>	<b>0</b>	<b>474737.5</b>	<b>474737.5</b>
11	<b>Note : MT-KM ( One MT for 1 KM ).</b> The price shall cover picking up, loading, unloading, leading and transportation of copper conductor drum, bracket assembly, masts & other railway supplied material laying with Railway at respective TRD depot store by contractor's own tools and labours and vehicles. The price shall cover picking up, loading, unloading, leading and transportation of Railway released material from site to respective SSE/TRD depot by contractor's own tools and labours and vehicles. Contractor will be responsible for safety of material against theft, loss and damage after issuing the material by Railways.							
	<b>Supply of Hard drawn round copper 5mm dropper wire</b>	<b>1630</b>	<b>KG</b>	<b>1170.03</b>	<b>0</b>	<b>1907148.9</b>	<b>0</b>	<b>1907148.90</b>
12	The price shall include supply of Hard drawn round copper 5mm dropper wire as per RDSO specification. One dropper = 0.6Kg.							

<b>Grand Total</b>	<b>12282221.67</b>	
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**Notes:**

Items details shall be read in conjunction with explanatory note of schedule of tender for respective

items.

#### **EXPLANATORY NOTE FOR SCHEDULE OF WORK (QUANTITIES/RATES)**

- 1 Items details in the Schedule of Quantity and rates shall be read in conjunction with explanatory note of schedule of tender for respective items.
- 2 All items of provision mentioned in SOR covers Design, Manufacture, Supply of materials, Erection, Testing and commissioning as required including small parts such as bolts, nuts, lock nuts, washers etc.
- 3 Basic Quantities and component of material required making up a unit of work for items mentioned in the explanatory notes are indicated for guidance purpose only. It is the sole responsibility of the contractor to supply the system as per design and therefore he shall work out the exact quantities of component required for completing the work and satisfactory operation of the system.
- 4 All the equipment and materials to be supplied by the Contractor against various schedule items should confirm to RDSO's / CORE's/CEE W.RLY's/I.S. specification and drawings. Material should be procured from sources approved by RDSO/CORE/CEE-W.Rly. Where such list is not available decision of the engineer in-charge is final and acceptable.
- 5 Contractor should note that all specifications as per the latest amendments to RDSO's/CORE/W.Rly./IS and other relevant standard specifications shall be applicable unless specified otherwise.
- 6 The Contractor shall arrange all necessary tools, equipment's, instruments and other facilities for execution liaison, checks and tests and commissioning as specified and decided by The engineer in-charge.
- 7 Testing and Commissioning: The successful tenderer shall demonstrate various efficiency and other related parameters as specified in the specification but not limited to during testing and commissioning validated with calculations and / or software as desired by the representative of the Electrical Engineer.