

## **T2.3.2 TECHNICAL SCHEDULES ELECTRICAL**

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No	Item description	Units	Technical Particulars
	<b>1 <u>DISTRIBUTION BOARDS</u></b>		
1.1	Manufacturer		
1.2	Supplier		
1.3	Installation contractor		
1.4	Manufacturer of LT circuit breakers		
1.5	Manufacturer of contactors		
1.6	Manufacturer of meters		
1.7	Manufacturer of current transformers		
1.8	Manufacturer relays		

No	Item description	Units	Technical Particulars
	<b>2 <u>Transformer</u></b>		
2.1	System Voltage (Primary Voltage)		
2.2	System Voltage (Secondary Voltage) Volt, at no load		
2.3	Frequency		
2.4	Number of phases (Medium Voltage)		
2.5	Number of phases (Low Voltage) Three phase Four Wire		
2.6	KVA Rating		
2.7	Average power factor		
2.8	Neutral – Earthed Manufacturer		
2.9	Manufacturer of MV circuit breaker		
2.10	Manufacturer of LV circuit breaker		
2.11	Manufacturer		
2.12	Supplier		
2.13	Installation contractor		
2.14	Impedance		

No	Item description	Units	Technical Particulars
	<b>3 <u>MEDIUM VOLTAGE CABLES</u></b>		
3.1	Manufacturer		
3.2	Supplier		
3.3	Installation contractor		

No	Item description	Units	Technical Particulars
	<b>4 LOW VOLTAGE CABLES</b>		
4.1	Manufacturer		
4.2	Supplier		

No	Item description	Units	Technical Particulars and Manufacturer
	<b>5 LIGHTING SCHEDULE</b>		
7.1	Type A - LED Fluorescent Fitting		
7.2	Type AE - as type A with Emergency Back-up		
7.3	Type B – Flood lights		

## 6 SCHEDULE OF PRICES FOR VARIATIONS TO THE ELECTRICAL

**This schedule must be completed by all Tenderers** and only provides for amounts to be added to or deducted from the contract amount depending on whether the relevant item is to be supplied and installed as an extra to or has to be omitted from the contract.

All items provided for in this schedule shall comply in all respects with the requirements laid down in the specification and all unit prices shall provide for the complete supply and installation including all the necessary material, accessories, labour and transport but excluding VAT.

## 7 PVC SWA PVC CABLES

Supply and installation of multicore PVC SWA PVC or 11 kV cable as specified per meter length, including wastage. Measurements must include tails. Also unit price for making off of cable ends complete with glands, lugs and connecting up of cores.

Cable Size (mm²)	No of cores	Laid in ducts (R/m)	Laid in ground (R/m)	Cable fixed on trays (R/m)	Cable ends each (R/m)	Cable joints complete (R/m)
185	4					
95	1					
300	4					
185	1					

Cable Size (mm²)	No of cores	Laid in ducts (R/m)	Laid in ground (R/m)	Cable fixed on trays (R/m)	Cable ends each (R/m)	Cable joints complete (R/m)
50	4					
35	1					

## 8 **SURGE ARRESTORS**

Supply, installation and connecting up of the following:

Description	Completely installed (R each)
DEHN guards CAT No. 900275	
DEHN guards CAT No. 90075	
DEHN Blitzduktor Cat No. CTBE/C	

## 9 **DAYWORK**

The following rates are for work not covered by any scheduled rates:

	Normal time (R/Hour)	Overtime (R/Hour)
Electrician and Labourer		
Electrician and apprentice		
Labourer		

## 10 **TRANSPORT, MATERIALS AND EXCAVATIONS**

The following rates are for work not covered by any scheduled rates:

	Per unit
Traveling for vehicles not exceeding 1000 kg capacity	R/Km
Materials, nett cost plus	%
<b>Excavations:</b>	

	Per unit
i) In soft pickable soil.	per m <sup>3</sup>
ii) In soft rock (use of power tools)	per m <sup>3</sup>
iii) In hard rock per m <sup>3</sup> (use of explosives)	per m <sup>3</sup>