

3X800 MW PATRATU STPS EXPANSION
BOQ-CUM-PRICE SCHEDULE FOR HT XLPE POWER CABLES

Sr. No.	Item code	Item description	Unit	Order Quantity (metres)	Unit-1 Quantity (metres)	Unit-2 Quantity (metres)	Unit-3 Quantity (metres)	Drum Length (Meters)	UNIT PRICE (EX-WORKS) Rs	Total Price (Rs.)	REMARKS
1.0		11/11 KV AL. CONDUCTOR/ XLPE INSULATED/ UNARMoured/ UNEARTHED GRADE POWER CABLE									
1.1	507-27034-A	3C-185	MTR	59250	24000	18000	17250	750	0.4121*X/59250	0.4121*X	HSN CODE : 8544
1.2	507-27010-A	1C-240	MTR	33000	13000	10000	10000	1000	0.0702*X/33000	0.0702*X	HSN CODE : 8544
1.3	507-27018-A	1C-400	MTR	65000	26000	20000	19000	1000	0.2102*X/65000	0.2102*X	HSN CODE : 8544
2.0		11/11 KV AL. CONDUCTOR/ XLPE INSULATED/ ARMoured/ UNEARTHED GRADE POWER CABLE									
2.1	507-27025-A	1C-630	MTR	18000	7000	6000	5000	1000	0.0936*X/18000	0.0936*X	HSN CODE : 8544
2.2	507-27033-A	3C-185	MTR	3000	1500	750	750	750	0.0210*X/3000	0.0210*X	HSN CODE : 8544
3.0		3.3/3.3KV AL. CONDUCTOR/ XLPE INSULATED/ UNARMoured/ UNEARTHED GRADE POWER CABLE.									
3.1	507-27074-A	3C-150	MTR	43500	18000	12750	12750	750	0.1825*X/43500	0.1825*X	HSN CODE : 8544
3.2	507-27046-A	1C-150	MTR	8000	3000	3000	2000	1000	0.0104*X/8000	0.0104*X	HSN CODE : 8544

Notes:

- Bidder has to quote only Total Value 'X'. Based on this price, unit price shall be derived for all items as per formula indicated above.
- Standard drum length shall be 1000 metres for single core cables and 750 metres for three core cables. Tolerance on individual drum length shall be $\pm 5\%$.
- Overall tolerance on total dispatched quantity of each size shall be (-) 2% and (+) 0%. Cables consumed for testing and inspection shall be to bidder's account.

3X800 MW PATRATU STPS EXPANSION
PVC FORMULA FOR HT XLPE POWER CABLES

Sr. No.	Item code	Cable Size	Applicable Formula
1.0		11/11 KV AL. CONDUCTOR/ XLPE INSULATED/ UNARMoured/ UNEARTHED GRADE POWER CABLE	$P = P_o + AIF (Al-Al_o) + XLFAL (CC-CC_o) + CCFAI (PVC_c-PVC_{co}) + FeF (Fe-Fe_o)$
1.1	507-27034-A	3C-185	
1.2	507-27010-A	1C-240	
1.3	507-27018-A	1C-400	
2.0		11/11 KV AL. CONDUCTOR/ XLPE INSULATED/ ARMoured/ UNEARTHED GRADE POWER CABLE	
2.1	507-27025-A	1C-630	
2.2	507-27033-A	3C-185	
3.0		3.3/3.3 KV AL. CONDUCTOR/ XLPE INSULATED/ UNARMoured/ UNEARTHED GRADE POWER CABLE	
3.1	507-27074-A	3C-150	
3.2	507-27046-A	1C-150	

3X800 MW PATRATU STPS EXPANSION
PVC FACTORS FOR HT XLPE POWER CABLES

Sr. No.	Item code	Cable Size	AIF	CCFAI	FeF	XL3/XL4
1.0		11/11 KV AL. CONDUCTOR/ XLPE INSULATED/ UNARMoured / UNEARTHED GRADE POWER CABLE				
1.1	507-27034-A	3C-185	1.605	3.028	0	1.468
1.2	507-27010-A	1C-240	0.703	0	0	0.519
1.3	507-27018-A	1C-400	1.126	0	0	0.625
2.0		11/11 KV AL. CONDUCTOR/ XLPE INSULATED/ ARMoured / UNEARTHED GRADE POWER CABLE				
2.1	507-27025-A	1C-630	2.58	0	0	0.777
2.2	507-27033-A	3C-185	1.605	3.028	1.259	1.468
3.0		3.3/3.3 KV AL. CONDUCTOR/ XLPE INSULATED/ UNARMoured / UNEARTHED GRADE POWER CABLE				
3.1	507-27074-A	3C-150	1.279	0.812	0	0.585
3.2	507-27046-A	1C-150	0.425	0	0	0.209