

ANNEXURE-B

<i>PVC FORMULA FOR HT XLPE POWER CABLES</i>
Applicable Formula
$P = P_o + AIF (AI - AI_o) + XLFAL (CC - CC_o) + CCFAI (PVC_c - PVC_{co}) + FeF (Fe - Fe_o)$

**3X660 MW NORTH KARANPURA FGD
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/ ARMoured/ UNEARTHED GRADE POWER CABLE				
1.1	507-27025-A	1C-630	2.58	0	0	0.777
1.2	507-27033-A	3C-185	1.605	3.028	1.259	1.468
2.0		3.3/3.3 KV AL. CONDUCTOR/ XLPE INSULATED/ ARMoured/ UNEARTHED GRADE POWER CABLE				
3.1	507-27077-A	3C-185	1.605	0.96	1.025	0.642

2X500 MW NTPC MAUDA (FGD System Package)					
Price Variation Factors As Per IEEMA For HT XLPE CABLES					
S. NO	MATERIAL	AIF	CCFAI	XLFAL	FeF
1	11/11 KV CABLES.				
1.1	1C-630 (unArmoured)	1.828	0.000	0.660	0.000
1.2	3C-150(unArmoured)	1.279	2.767	1.359	0.000
1.3	3C-150(Armoured)	1.279	2.767	1.359	1.201
2	3.3/3.3 KV CABLES.				
2.1	3C-150 (unArmoured)	1.279	0.812	0.585	0.000
2.2	3C-150 (Armoured)	1.279	0.812	0.585	0.966

3X660 MW BARH STPP STAGE I FGD					
Price Variation Factors As Per IEEMA For HT XLPE CABLES					
S. NO	MATERIAL	AIF	CCFAI	XLFAL	FeF
1	11/11 KV CABLES.				
1.1	1C-630 (unArmoured)	1.828	0.000	0.660	0.000
1.2	3C-150(unArmoured)	1.279	2.767	1.359	0.000
1.3	3C-150(Armoured)	1.279	2.767	1.359	1.201
2	3.3/3.3 KV CABLES.				
2.1	3C-150 (unArmoured)	1.279	0.812	0.585	0.000
2.2	3C-150 (Armoured)	1.279	0.812	0.585	0.966

2X660 MW NTPC BARH STPP STAGE II (FGD System Package)					
Price Variation Factors As Per IEEMA For HT XLPE CABLES					
S. NO	MATERIAL	AIF	CCFAI	XLFAL	FeF
1	11/11 KV CABLES.				
1.1	1C-630 (unArmoured)	1.828	0.000	0.660	0.000
1.2	3C-150(unArmoured)	1.279	2.767	1.359	0.000
1.3	3C-240(unArmoured)	2.099	3.398	1.615	0.000
1.4	3C-150(Armoured)	1.279	2.767	1.359	1.201
2	3.3/3.3 KV CABLES.				
2.1	3C-150 (unArmoured)	1.279	0.812	0.585	0.000
2.2	3C-240 (Armoured)	2.099	1.130	0.717	1.142
2.3	3C-150 (Armoured)	1.279	0.812	0.585	0.966