

ANNEXURE

Sl. No.	Detailed product description	Quantity	Unit of Measurement	Make and model of the product being offered
1	Supply and installation of DIN rail mounted Type 1+2 three phase AC power SPD tested as per IEC61643 with following specification Uo/Un=230V,Uc(mcov)=260V(L-N),Iimp at 10/350 microsec(L-N)=25KA,In(L-N/N-E)=25/100KA at 8/20microsec, I _{max} (L-N/N-E)=65/130KA at 8/20microsec, voltage protection level(U _p)<1.2KV, Response time (L-N/N-E)< 25ns/100ns, TOV withstand 120mts=438V, Short circuit withstand capacity(L-N/N-E)=50KA, Uw<4KV,Back up fuse 315A, Remote monitoring-yes with fault indication(3+1) protection	1	nos	
2	Supply and installation of DIN rail mounted Type 2 Three phase AC power line SPD tested as per IEC 61643 with following specification :- Uo=230V,Uc=260V(L-N), at 8/20microsec ,I _{max} (L-N/N-E)=50/65KA at 8/20microsec, voltage protection level (U _p) <1.2KVIn(L-N/N-E)=20/40KA Response time(L-N/N-E) <25ns/100ns,TOV withstand 120mts,438V, short circuit withstand capacity (L-N/N-E)=25/50KA,Uw<2.5KV, Backup Fuse - 315A with remote monitoring & fault indication(3+1) protection	4	nos	
3	Supply and installation of DIN rail mounted Type 2+3 single phase AC power line SPD tested at 8/20microsec ,I _{max} (L-N/N-E)=50/65KA at 8/20microsec, voltage protection level (U _p) <1.5KVas per IEC 61643 with following specification :- Uo=230V,Uc=260V(L-N), In(L-N/N-E)=20/40KA Response time(L-N/N-E) <25ns/100ns,TOV withstand 120mts,438V, short circuit withstand capacity (L-N/N-E)=25/50KA, Uw<1.5KV,Backup Fuse - 315A with remote monitoring & fault indication(1+1) protection	1	nos	
4	Supply and installation of Two port Surge Protection Device Type 3 shall have integrated EMI Filter tested as per IEC 61643-1. SPD should have visual failure indication with Specifications as follow: Nominal voltage 230V AC and MCOV ≥ 275V , Voltage protection Level should be < 1000V, TOV withstand = 334 AC V for 5 Sec, Uoc= 6 KV, Max Load Current - 30A, Filetring < 70 dB@ 1Mhz,Thermal Protection -Yes, with fault indication	1	nos	
5	Supply and installation of Two port Surge Protection Device Type 3 tested as per IEC 61643-1. SPD should have visual failure indication with Specifications as follow: Nominal voltage 230V AC and MCOV ≥ 275V , Voltage protection Level should be < 1000V, TOV withstand = 334 AC V for 5 Sec, Uoc= 6 KV, Max Load Current - 30A, Thermal Protection -Yes, with fault indication	1	nos	
6	cables 10 sqmm	5	mtrs	
7	cables 6 sqmm	20	mtrs	
8	cables 1.5 sqmm	10	mtrs	
9	Box	4	nos	
10	DIN Rail	4	nos	
11	copper lug for 10 sqmm cable	10	nos	
12	copper lug for 6 sqmm cable	40	nos	
13	copper lug for 1.5 sqmm cable	12	nos	

Note: Quantity mentioned for Item no. 6 to 13 can be quoted with per unit/per metre rate (ie., approx). Billing need to be made as per actual measurement/units used during installation